06/19/21 **Report #1**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**0 ft**	**1 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**24 Hour Load Test**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin / Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
Time Sample Taken						
Sample Location						
Flowline Temperature °F						
Depth (ft)						
Mud Weight (ppg)						
Funnel Vis (sec/qt) @ 90 °F						
600 rpm						
300 rpm						
200 rpm						
100 rpm						
6 rpm						
3 rpm						
Plastic Viscosity (cp) @ 120 °F						
Yield Point (lb/100 ft²) T0 =						
Gel Strength (lb/100 ft²) 10 sec/10 min						
Gel Strength (lb/100 ft^2) 30 min						
API Filtrate / Cake Thickness						
HTHP Filtrate / Cake Thickness @ 0 °F						
Retort Solids Content						
Retort Oil Content						
Retort Water Content						
Sand Content						
M.B.T. (Methylene Blue Capacity) (ppb)						
pH						
Alkalinity, Mud Pm						
Alkalinities, Filtrate Pf/Mf						
Chlorides (mg/L)						
Calcium (ppm)						
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids	2.60	2.60	2.60			
Percent Low Gravity Solids						
Percent Drill Solids						
PPA Spurt / Total (ml) @ @ 0 °F						
Estimated Total LCM in System ppb						
Sample Taken By						

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits		Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	0 bbl	Stroke	12	Stroke	12	Stroke	12
Active	0 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	0 bbl	stk/min		stk/min		stk/min	
Tot. on Location	0 bbl	gal/min	0	gal/min	0	gal/min	0

PHHP = 0

CIRCULATION DATA

Washout = 5% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	0.0 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	0.0 bbl	BottomsUp Stks	BottomsUp Time
0.0 bbl	Riser Ann. Vol.	0.0 bbl	Riser Strokes	Riser Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	0'	0'
Hevi Wt	5.500	3.000		0'
Dir. BHA	8.000	2.875		0'
				0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface				108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	0.000		1'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	140	
Cuttings Dryer	140	
Desander/ silter		
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	0.0
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Sand Trap Discharge	
Est. Total on Location	0.0
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
Bit Impact Force	Nozzle Velocity (ft/sec)			

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure

Remarks/Recommendations:

OBM RECEIVED: 1,608 bbls / 0 bbls OBM RETURNED:

OBM ON SURFACE--- 1,608 bbls (Storage + Active)

Rig Activity:

Continue Rig Up on Boone C-1H. Filled pits with H20 and flushed out lines. Conduct 24 hr Load Test. Back yard is 100% rigged up and ready, All Mud Related Chemicals and equipment are on location. Rolled OBM in frac tanks. Checked for any leaks and fixed same. Continue with 24 hr load test at report time.

Eng. 1:	Rob Bowlin	Eng. 2:	Bart Guidry	WH 1:	WH #1	WH 2:	WH #2	Rig Phone:
Phone:	228-990-1055	Phone:	337-250-3841	Phone:	936-349-0785	Phone:		

W P Y g G p A S C
0 2 2 1 1 0 1 0 0

	Daily Total	Cumulative Cost
	$14,747.00	**$14,747.00**
INCLUDING 3RD PARTY CHARGES	**$14,747.00**	**$14,747.00**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/19/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #1

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56		336	336				
PHPA LIQUID (pail)	5 gal	$41.36		16	16				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
CACL2 (50)	50# sk	$14.32							
LIME (50)	50# sk	$5.00							
OPTI - G	50# sk	$30.59							
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40							
BENTONE 990 (50)	50# sk	$83.59							
OPTI - MUL	gal	$10.75							
OPTI - WET	gal	$8.34							
NEW PHALT	50# sk	$38.72							
OIL SORB (25)	25# sk	$4.75		50	50				
NEW CARB (M)	50# sk	$5.25							
CYBERSEAL									
MAGMAFIBER F (25)	25# sk	$28.05							
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG									
NUT PLUG M (50)	50# sk	$12.04							
NEW WATE (SACK BARITE)	100# sk	$11.50		80	80				
BARITE BULK (100)	100# sk	$7.00		400	400				
OPTI DRILL (OBM)	bbl	$65.00		1608	1608				
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				10	$9,900.00	10	$9,900.00
ENGINEERING (DIEM)	bbl	$30.00				10	$300.00	10	$300.00
ENGINEERING (MILES)	each	$1.00				580	$580.00	580	$580.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00				1	$650.00	1	$650.00
SCALE TICKET	each	$15.00				14	$210.00	14	$210.00
FORKLIFT OPERATOR	each	$125.00				1	$125.00	1	$125.00
TRUCKING (cwt)	each	$1.98				400	$792.00	400	$792.00
TRUCKING (min)	each	$650.00				3	$1,950.00	3	$1,950.00
PALLETS (ea)	each	$12.00				10	$120.00	10	$120.00
SHRINK WRAP (ea)	each	$12.00				10	$120.00	10	$120.00

Daily Sub-Total $14,747.00	Cumulative Total $14,747.00	$14,747.00

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/19/21	**MAGNOLIA OIL & GAS**	**BOONE C-1H**	**285**	**Report #1**

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
OBM_D 6_16_21	gal	$2.33		14409	14409				

Cumulative Total AES & 3rd Party $14,747.00

6/19/2021 **Report 1 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**		**1 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**Load Test**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin / Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.334-9.3	**1-5**	**2-5**	**<2 <5**	**6-8**	**<25**	**2-10**

MUD PROPERTIES

Time Sample Taken	13:00		
Sample Location	Suction		
Flowline Temperature °F			
Depth (ft)			
Mud Weight (ppg)	8.4		
Funnel Vis (sec/qt) @ 86 °F	26		
600 rpm	2		
300 rpm	1		
200 rpm	1		
100 rpm	1		
6 rpm	1		
3 rpm	1		
Plastic Viscosity (cp) @ 120 °F	1		
Yield Point (lb/100 ft²) T0 = 1			
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/1		
Gel Strength (lb/100 ft2) 30 min	1		
API Filtrate / Cake Thickness			
HTHP Filtrate / Cake Thickness			
Retort Solids Content	0.4%		
Retort Oil Content			
Retort Water Content	99.6%		
Sand Content	0%		
M.B.T. (Methylene Blue Capacity) (ppb)			
pH	6.7		
Alkalinity, Mud Pm			
Alkalinities, Filtrate Pf/Mf			
Chlorides (mg/L)	260		
Calcium (ppm)	20		
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	0.4%		
Percent Drill Solids	0.4%		
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	R. Bowlin		

MUD VOLUME (BBL)

In Pits	601 bbl
In Hole	
Active	601 bbl
Storage	
Tot. on Location	601 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	
gal/min	

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	
gal/min	

RISER BOOSTER

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	
gal/min	

Mud Wt. = 8.4 PV=1 **CIRCULATION DATA** n = 1.000 K = 1.0

Washout = 5% Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	BottomsUp Stks	BottomsUp Time
	Riser Ann. Vol.	Riser Strokes	Riser Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276		
Hevi Wt	5.500	3.000		
Dir. BHA	8.000	2.875		

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface				108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size			1'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
						#DIV/0!

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	200	
Cuttings Dryer	140	
Desander/ silter		
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	1.1
Water Added (+)	600.0
Left on Cuttings (-)	
Sand Trap Discharge	
Est. Total on Location	601.1
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
#DIV/0!	#DIV/0!			
Bit Impact Force	Nozzle Velocity (ft/sec)			
#DIV/0!				

Afternoon Remarks/Recommendations:

Maintain MW at 8.5-8.7ppg until around 2,400'MD

Pump Sapp/ Soap laden sweeps every 300' drilled down

Afternoon Rig Activity:

Continued with the rig load testing operations, dressed shakers #1,2 with API 140's and #3 with API 200's due to the desander/ desilter discharging onto shaker #3. Filled pits and pretreat with Sapp and Detergent. At the time of the PM rpt prep to PU the 5" drill string and rake back the same. Cellar pumps and lines are being rigged up.

06/20/21 **Report #2**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **220' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**219 ft**	**220 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**200 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin / Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**500 gpm**	**1,200 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	GELS	pH	API fl	% Solids	In Pits	678 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
8.334-9.3	**1-5**	**2-5**	**<2 <5**	**6-8**	**<25**	**2-10**	In Hole	49 bbl	Stroke	12	Stroke	12	Stroke	12
				6/19/21		6/20/21	Active	727 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Time Sample Taken				13:00		3:30	Storage	0 bbl	stk/min	78	stk/min	78	stk/min	
Sample Location				suction		suction	Tot. on Location	727 bbl	gal/min	250	gal/min	250	gal/min	0
Flowline Temperature °F							PHHP = 350		**CIRCULATION DATA**				n = 1.000	K = 0.998
Depth (ft)						215'	Bit Depth = 220 '		Washout = 5%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.4		8.5	Drill String Disp.	Volume to Bit 1.6 bbl	Strokes To Bit 21		Time To Bit 0 min			
Funnel Vis (sec/qt)	@ 86 °F			26		27		Bottoms Up Vol. 47.4 bbl	BottomsUp Stks 621		BottomsUp Time 4 min			
600 rpm				2		3	9.0 bbl	Riser Ann. Vol. 31.9 bbl	Riser Strokes 418		Riser Circ. Time 3 min			
300 rpm				1		2	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				1		1	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				1		1				**0'**	0'		Shaker 1	140	24.0
6 rpm				1		1	Hevi Wt	5.000	2.500	103'	**0'**		Shaker 2	140	24.0
3 rpm				1		1	Dir. BHA	8.420	2.940	117'	103'		Shaker 3	200	24.0
Plastic Viscosity (cp)	@ 120 °F			1		1					220'		Cuttings Dryer	140	24.0
Yield Point (lb/100 ft²)	T0 = 1					1	**CASING & HOLE DATA**						Desander/ silter		
Gel Strength (lb/100 ft²)	10 sec/10 min			1/1		1/1	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1		
Gel Strength (lb/100 ft^2)	30 min			1		1	Riser	20	18.542	108'			**VOLUME ACCOUNTING (bbls)**		
API Filtrate / Cake Thickness							Surface				108'		Prev. Total on Location		0.0
HTHP Filtrate / Cake Thickness	@ 0 °F						Int. Csg.				108'		Transferred In(+)/Out(-)		
Retort Solids Content				0.4%		1.2%	Washout 1						Oil Added (+)		0.0
Retort Oil Content							Washout 2						Barite Added (+)		0.0
Retort Water Content				99.6%		98.8%	Open Hole Size	14.175	220'				Other Product Usage (+)		1.8
Sand Content				0%		0.3%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		776.5
M.B.T. (Methylene Blue Capacity) (ppb)							annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-21.4
pH				6.7		6.4							Sand Trap Discharge		-30.0
Alkalinity, Mud Pm							18.542x5	103'	38.4	turb	17.80				
Alkalinities, Filtrate Pf/Mf							18.542x8.42	108'	44.9	turb	26.76		Est. Total on Location		726.9
Chlorides (mg/L)				260		260	14.175x8.42	220'	94.2	turb	18.50		Est. Losses/Gains (-)/(+)		0.0
Calcium (ppm)				20		40							**BIT HYDRAULICS DATA**		
Excess Lime (lb/bbl)													Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Average Specific Gravity of Solids				2.60	2.60	2.60							0.28	139 psi	16 16 16
Percent Low Gravity Solids				0.4%		1.1%							Bit Impact Force	Nozzle Velocity (ft/sec)	16 16 16
Percent Drill Solids				0.4%		1.1%									
PPA Spurt / Total (ml) @	@ 0 °F						**BIT DATA**		Manuf./Type		U6165		296 lbs	136	
Estimated Total LCM in System	ppb						Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By			R. Bowlin			B. Guidry	13 1/2	0 ft	4.0	220 ft	55.0		987 psi		1,200 psi

Remarks/Recommendations:

OBM RECEIVED: 1,608 bbls / 0 bbls OBM RETURNED:

OBM ON SURFACE--- 1,608 bbls (Storage + Active)

Rig Activity:

Continued with the rig load testing operations, dressed shakers #1,2 with API 140's and #3 with API 200's due to the desander/ desilter discharging onto shaker #3. Filled pits and pretreat active with Sapp and Detergent. Build 100 bbl sweep in slug pit. M/U BHA and test same. Repair valve and hose leaks. Cellar pumps and lines were rigged up. Drill out cement and shoe track, Drill to report depth of 220'. Pumping 20 bbl sweeps every other connection. Dumping sand traps every 100'. Agressive dilution with H20 to maintain 8,6 to 9.2 MW, Drilling ahead at report time.

Eng. 1:	Rob Bowlin	Eng. 2:	Bart Guidry	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	228-990-1055	Phone:	337-250-3841	Phone:	936-349-0785	Phone:				

W 1 P 1 Y 0 g 1 G 1 p 1 A 1 S 0 C 0

$3,109.44 **$17,856.44**

INCLUDING 3RD PARTY CHARGES **$3,109.44** **$17,856.44**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/20/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #2

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	336		312	24	$1,069.44	24	$1,069.44
PHPA LIQUID (pail)	5 gal	$41.36	16		16				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
CACL2 (50)	50# sk	$14.32							
LIME (50)	50# sk	$5.00							
OPTI - G	50# sk	$30.59							
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40							
BENTONE 990 (50)	50# sk	$83.59							
OPTI - MUL	gal	$10.75							
OPTI - WET	gal	$8.34							
NEW PHALT	50# sk	$38.72							
OIL SORB (25)	25# sk	$4.75	50		50				
NEW CARB (M)	50# sk	$5.25							
CYBERSEAL									
MAGMAFIBER F (25)	25# sk	$28.05							
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG									
NUT PLUG M (50)	50# sk	$12.04							
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	400		400				
OPTI DRILL (OBM)	bbl	$65.00	1608		1608				
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	12	$11,880.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	12	$360.00
ENGINEERING (MILES)	each	$1.00						580	$580.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						14	$210.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						400	$792.00
TRUCKING (min)	each	$650.00						3	$1,950.00
PALLETS (ea)	each	$12.00						10	$120.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $3,109.44			**Cumulative Total $17,856.44**			**$17,856.44**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/20/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #2

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
OBM_D 6_16_21	gal	$2.33	14409		14409				

Cumulative Total AES & 3rd Party $17,856.44

6/20/2021 **Report 2 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

4.6° **1,511' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**1,305 ft**	**1,525 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**Rig Repairs**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin / Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**449 gpm**	**588 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.334-9.3	**1-5**	**1-5**	**<2 <5**	**6-8**	**<25**	**2-10**

MUD PROPERTIES

Time Sample Taken	13:30		3:30
Sample Location	suction		suction
Flowline Temperature °F	103 °F		
Depth (ft)	1,525'		215'
Mud Weight (ppg)	8.7		8.5
Funnel Vis (sec/qt) @ 91 °F	27		27
600 rpm	3		3
300 rpm	2		2
200 rpm	1		1
100 rpm	1		1
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	1		1
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/1		1/1
Gel Strength (lb/100 ft2) 30 min	2		1
API Filtrate / Cake Thickness			
HTHP Filtrate / Cake Thickness			
Retort Solids Content	2.7%		1.2%
Retort Oil Content			
Retort Water Content	97.3%		98.8%
Sand Content	0.2%		0.3%
M.B.T. (Methylene Blue Capacity) (ppb)	2.0		
pH	6.2		6.4
Alkalinity, Mud Pm			
Alkalinities, Filtrate Pf/Mf			
Chlorides (mg/L)	300		260
Calcium (ppm)	20		40
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	2.6%		1.1%
Percent Drill Solids	2.6%		1.1%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	R. Bowlin		B. Guidry

MUD VOLUME (BBL)

In Pits	688 bbl
In Hole	301 bbl
Active	986 bbl
Storage	
Tot. on Location	989 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	70
gal/min	224

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	70
gal/min	224

RISER BOOSTER

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	
gal/min	

Mud Wt. = 8.7 PV=1 YP=1 **CIRCULATION DATA** n = 0.585 K = 26.6

Bit Depth = 1,512 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.							
11.9 bbl	Volume to Bit	30.0 bbl	Strokes To Bit	394	Time To Bit	3 min
	Bottoms Up Vol.	268.2 bbl	BottomsUp Stks	3,514	BottomsUp Time	25 min
	Riser Ann. Vol.	33.4 bbl	Riser Strokes	438	Riser Circ. Time	3 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.760	1,292'	
Hevi Wt	5.000	2.500	103'	1,292'
Dir. BHA	8.420	2.940	117'	1,395'
				1,512'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20	18.542	108'	
Surface				108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	14.175		1,525'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
18.542x5	108'	34.5	lam	8.71
14.175x5	1,292'	62.5	lam	8.71
14.175x5	1,395'	62.5	lam	8.71
14.175x8.42	1,512'	84.6	lam	8.71

BIT DATA Manuf./Type U6165

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
13 1/2	80 ft	10.0	1,525 ft	152.5	388 psi	588 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	12.0
Shaker 2	140	12.0
Shaker 3	200	12.0
Cuttings Dryer	140	12.0
Desander/ silter		12.0
Centrifuge 1		12.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	727.0
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	1616.5
Left on Cuttings (-)	-254.7
Sand Trap Discharge	-1100.0
Est. Total on Location	988.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.21	116 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
247 lbs	122			

Afternoon Remarks/Recommendations:

Maintain MW at 8.6-8.8ppg until around 2,400'MD

Pump Sapp/ Soap laden sweeps every 300' drilled down

Dumping and diluting to control MW

Afternoon Rig Activity:

Drilling F-220' to 1,525'MD. At the time of the pm report perform repairs. Experienced issues with the MWD packing off with debris. Pumping 20bbls Soap and Sapp laden sweeps every other stand drilled down. Dumping sand trap on preplanned basis at 20-25bbls every 300' or as needed to control MW at 8.8ppg. Will begin to allow the system to mud up naturally at 2,400'MD with a target density of 9.1-9.2ppg and a viscosity of 36-38 second per quart at interval TD +/- 2,725'MD. Soap and Sapp sticks down the drill pipe every connection.

06/21/21 **Report #3**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.8° **700' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**2,505 ft**	**2,725 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**Run Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin / Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**673 gpm**	**1,100 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.334-9.3	**1-5**	**1-5**	**<2 <5**	**6-8**	**<25**	**2-10**

	6/20/21		6/21/21
Time Sample Taken	13:30		2:00
Sample Location	suction		suction
Flowline Temperature °F	103 °F		98 °F
Depth (ft)	1,525'		2,725'
Mud Weight (ppg)	8.7		9.1
Funnel Vis (sec/qt) @ 91 °F	27		31
600 rpm	3		4
300 rpm	2		3
200 rpm	1		2
100 rpm	1		1
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	1		2
Gel Strength (lb/100 ft²) 10 sec/10 min	1/1		1/2
Gel Strength (lb/100 ft^2) 30 min	2		2
API Filtrate / Cake Thickness			
HTHP Filtrate / Cake Thickness @ 0 °F			
Retort Solids Content	2.5%		4.5%
Retort Oil Content			
Retort Water Content	97.5%		95.5%
Sand Content	0.2%		0.3%
M.B.T. (Methylene Blue Capacity) (ppb)	6.0		8.5
pH	6.2		6.5
Alkalinity, Mud Pm			
Alkalinities, Filtrate Pf/Mf			
Chlorides (mg/L)	300		280
Calcium (ppm)	20		40
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.77		3.05
Percent Low Gravity Solids	2.2%		3.2%
Percent Drill Solids	2.2%		3.2%
PPA Spurt / Total (ml) @ @ 0 °F			
Estimated Total LCM in System ppb			
Sample Taken By	R. Bowlin		B. Guidry

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	630 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	536 bbl	Stroke	12	Stroke	12	Stroke	12
Active	770 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	0 bbl	stk/min	110	stk/min	100	stk/min	
Tot. on Location	1166 bbl	gal/min	353	gal/min	320	gal/min	0

CIRCULATION DATA

PHHP = 432 | n = 0.585 K = 26.563

Bit Depth = 700 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.						
	Volume to Bit	67.3 bbl	Strokes To Bit	882	Time To Bit	4 min
	Bottoms Up Vol.	73.0 bbl	BottomsUp Stks	957	BottomsUp Time	5 min
11.3 bbl	Riser Ann. Vol.	23.9 bbl	Riser Strokes	314	Riser Circ. Time	1 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	10.750	9.950	700'	0'
				700'
				700'
				700'

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	24.0
Shaker 2	140	24.0
Shaker 3	200	24.0
Cuttings Dryer	140	24.0
Desander/ silter		16.0
Centrifuge 1		16.0

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20	18.542	108'	
Surface				108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size		14.175	2,725'	

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	727.0
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	2.4
Water Added (+)	2225.2
Left on Cuttings (-)	-488.9
Sand Trap Discharge	-1300.0
Est. Total on Location	1165.6
Est. Losses/Gains (-)/(+)	0.0

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
18.542x10.75	108'	72.3	lam	8.71
14.175x10.75	700'	193.2	turb	8.78

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.72	261 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
556 lbs	183			

BIT DATA Manuf./Type U6165

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
13 1/2	80 ft	10.0	2,645 ft	264.5	817 psi	1,104 psi

Remarks/Recommendations:

OBM RECEIVED: 1,608 bbls / 0 bbls OBM RETURNED:

OBM ON SURFACE--- 1,608 bbls (Storage + Active)

Rig Activity:

Continued drilling ahead from 220' MD to 1,525'MD. Rig went down for repairs to the main power supply to the rig floor. Circulated at 448GPM and worked the DP while repairs were made. Experienced issues with the MWD packing off with debris from the rig lines after the mud pits, swapped out the same. Pumping 20bbls Soap and Sapp laden sweeps every other stand drilled down. Dumping sand trap on preplanned basis at 20-25bbls every 300' or as needed to control MW at 8.8ppg. Begin to allow the system to mud up naturally at 2,400'MD with a target density of 9.1-9.2ppg and a viscosity of 36-38 second per quart at interval TD of 2,725'MD. AT TD pump 20 bbl sweep flowerd by another 20 bbl sweep once first sweep cleared bit. POOH L/D BHA and rig up for casing run. RIH with 10.75" casing at report time.

Eng. 1:	Rob Bowlin	Eng. 2:	Bart Guidry	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	228-990-1055	Phone:	337-250-3841	Phone:	936-349-0785	Phone:			**$3,465.92**	**$21,322.36**

W	P	Y	g	G	p	A	S	C
1	1	1	1	1	1	1	1	0

INCLUDING 3RD PARTY CHARGES	**$3,465.92**	**$21,322.36**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/21/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #3

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	312		280	32	$1,425.92	56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	16		16				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
CACL2 (50)	50# sk	$14.32							
LIME (50)	50# sk	$5.00							
OPTI - G	50# sk	$30.59							
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40							
BENTONE 990 (50)	50# sk	$83.59							
OPTI - MUL	gal	$10.75							
OPTI - WET	gal	$8.34							
NEW PHALT	50# sk	$38.72							
OIL SORB (25)	25# sk	$4.75	50		50				
NEW CARB (M)	50# sk	$5.25							
CYBERSEAL									
MAGMAFIBER F (25)	25# sk	$28.05							
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG									
NUT PLUG M (50)	50# sk	$12.04							
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	400		400				
OPTI DRILL (OBM)	bbl	$65.00	1608		1608				
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	14	$13,860.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	14	$420.00
ENGINEERING (MILES)	each	$1.00						580	$580.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						14	$210.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						400	$792.00
TRUCKING (min)	each	$650.00						3	$1,950.00
PALLETS (ea)	each	$12.00						10	$120.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $3,465.92			**Cumulative Total $21,322.36**			**$21,322.36**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/21/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #3

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
OBM_D 6_16_21	gal	$2.33	14409		14409				

Cumulative Total AES & 3rd Party $21,322.36

6/21/2021 **Report 3 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**		**2,725 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**Skid PU/BHA**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin / Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**		

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	GELS	pH	API fl	% Solids
8.334-9.3	**1-5**	**1-5**	**<2 <5**	**6-8**	**<25**	**2-10**

MUD PROPERTIES			
Time Sample Taken			2:00
Sample Location	NO H2O		suction
Flowline Temperature °F			98 °F
Depth (ft)			2,725'
Mud Weight (ppg)			9.1
Funnel Vis (sec/qt)			31
600 rpm			4
300 rpm			3
200 rpm			2
100 rpm			1
6 rpm			1
3 rpm			1
Plastic Viscosity (cp) @ 120 °F			1
Yield Point (lb/100 ft²) T0 = 1			2
Gel Strength (lb/100 ft²) 10 sec / 10 min			1/2
Gel Strength (lb/100 ft2) 30 min			2
API Filtrate / Cake Thickness			
HTHP Filtrate / Cake Thickness			
Retort Solids Content			4.5%
Retort Oil Content			
Retort Water Content			95.5%
Sand Content			0.3%
M.B.T. (Methylene Blue Capacity) (ppb)			8.5
pH			6.5
Alkalinity, Mud Pm			
Alkalinities, Filtrate Pf/Mf			
Chlorides (mg/L)			280
Calcium (ppm)			40
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids			3.05
Percent Low Gravity Solids			3.2%
Percent Drill Solids			3.2%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By			B. Guidry

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits		Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	263 bbl	Stroke	12	Stroke	12	Stroke	12
Active		bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage		stk/min		stk/min		stk/min	
Tot. on Location	263 bbl	gal/min		gal/min		gal/min	

Mud Wt. = 9.1 PV=1 YP=2 **CIRCULATION DATA** n = 0.415 K = 115.0

Washout = 5% Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol.	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4	9.950	2,717'	
Int. Csg.				
Washout 1				
Washout 2				
Open Hole Size	14.175		2,725'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal

BIT DATA Manuf./Type U6165

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
13 1/2	80 ft	10.0	2,645 ft	264.5	817 psi	817 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	12.0
Shaker 2	140	12.0
Shaker 3	200	12.0
Cuttings Dryer	140	12.0
Desander/ silter		
Centrifuge 1		12.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	1165.6
Transferred In(+)/Out(-)	253.0
Oil Added (+)	
Barite Added (+)	0.1
Other Product Usage (+)	
Water Added (+)	9.9
Left on Cuttings (-)	
Sand Trap Discharge	
Dumped (-)	-1165.8
Est. Total on Location	262.9
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
		16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16

Afternoon Remarks/Recommendations:

Sending all Drill H2O to disposal

Ensuring pits are ready to receive fresh Drill H2O for the Boone D1

Perform inspections on the solids control equipment

Afternoon Rig Activity:

Over the past 12 hours Patterson 285 has successfully ran the 10.75" surface casing to bottom setting the shoe at 2,717'MD. Circulated one and a half casing volumes. Skid over to the Boone D-1H. All the solids laden surface drill H2O is being sent to disposal. Cemented offline observing good returns during the entire cement job. Observed cement back to surface and diverted the same to the open top tanks to be disposed of (110bbls). Flush through any lines that were utilized during the cement job.

06/21/21 **Report #3**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.8° **700' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**2,505 ft**	**2,725 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**Run Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin / Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**673 gpm**	**1,100 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.334-9.3	**1-5**	**1-5**	**<2 <5**	**6-8**	**<25**	**2-10**

	6/20/21		6/21/21
Time Sample Taken	13:30		2:00
Sample Location	suction		suction
Flowline Temperature °F	103 °F		98 °F
Depth (ft)	1,525'		2,725'
Mud Weight (ppg)	8.7		9.1
Funnel Vis (sec/qt) @ 91 °F	27		31
600 rpm	3		4
300 rpm	2		3
200 rpm	1		2
100 rpm	1		1
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	1		2
Gel Strength (lb/100 ft²) 10 sec/10 min	1/1		1/2
Gel Strength (lb/100 ft^2) 30 min	2		2
API Filtrate / Cake Thickness			
HTHP Filtrate / Cake Thickness @ 0 °F			
Retort Solids Content	2.5%		4.5%
Retort Oil Content			
Retort Water Content	97.5%		95.5%
Sand Content	0.2%		0.3%
M.B.T. (Methylene Blue Capacity) (ppb)	6.0		8.5
pH	6.2		6.5
Alkalinity, Mud Pm			
Alkalinities, Filtrate Pf/Mf			
Chlorides (mg/L)	300		280
Calcium (ppm)	20		40
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.77		3.05
Percent Low Gravity Solids	2.2%		3.2%
Percent Drill Solids	2.2%		3.2%
PPA Spurt / Total (ml) @ @ 0 °F			
Estimated Total LCM in System ppb			
Sample Taken By	R. Bowlin		B. Guidry

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	630 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	536 bbl	Stroke	12	Stroke	12	Stroke	12
Active	770 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	0 bbl	stk/min	110	stk/min	100	stk/min	
Tot. on Location	1166 bbl	gal/min	353	gal/min	320	gal/min	0

CIRCULATION DATA

PHHP = 432 | n = 0.585 K = 26.563

Bit Depth = 700 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.						
	Volume to Bit	67.3 bbl	Strokes To Bit	882	Time To Bit	4 min
	Bottoms Up Vol.	73.0 bbl	BottomsUp Stks	957	BottomsUp Time	5 min
11.3 bbl	Riser Ann. Vol.	23.9 bbl	Riser Strokes	314	Riser Circ. Time	1 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	10.750	9.950	700'	0'
				700'
				700'
				700'

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	24.0
Shaker 2	140	24.0
Shaker 3	200	24.0
Cuttings Dryer	140	24.0
Desander/ silter		16.0
Centrifuge 1		16.0

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20	18.542	108'	
Surface				108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	14.175		2,725'	

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	727.0
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	2.4
Water Added (+)	2225.2
Left on Cuttings (-)	-488.9
Sand Trap Discharge	-1300.0
Est. Total on Location	1165.6
Est. Losses/Gains (-)/(+)	0.0

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
18.542x10.75	108'	72.3	lam	8.71
14.175x10.75	700'	193.2	turb	8.78

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ∆P	Nozzles (32nds)		
0.72	261 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
556 lbs	183			

BIT DATA Manuf./Type U6165

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
13 1/2	80 ft	10.0	2,645 ft	264.5	817 psi	1,104 psi

Remarks/Recommendations:

OBM RECEIVED: 1,608 bbls / 0 bbls OBM RETURNED:

OBM ON SURFACE--- 1,608 bbls (Storage + Active)

Rig Activity:

Continued drilling ahead from 220' MD to 1,525'MD. Rig went down for repairs to the main power supply to the rig floor. Circulated at 448GPM and worked the DP while repairs were made. Experienced issues with the MWD packing off with debris from the rig lines after the mud pits, swapped out the same. Pumping 20bbls Soap and Sapp laden sweeps every other stand drilled down. Dumping sand trap on preplanned basis at 20-25bbls every 300' or as needed to control MW at 8.8ppg. Begin to allow the system to mud up naturally at 2,400'MD with a target density of 9.1-9.2ppg and a viscosity of 36-38 second per quart at interval TD of 2,725'MD. AT TD pump 20 bbl sweep flowerd by another 20 bbl sweep once first sweep cleared bit. POOH L/D BHA and rig up for casing run. RIH with 10.75" casing at report time.

Eng. 1: Rob Bowlin	Eng. 2: Bart Guidry	WH 1: MIDLAND	WH 2: WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone: 228-990-1055	Phone: 337-250-3841	Phone: 936-349-0785	Phone:		**$3,465.92**	**$21,322.36**

W	P	Y	g	G	p	A	S	C
1	1	1	1	1	1	1	1	0

INCLUDING 3RD PARTY CHARGES	**$3,465.92**	**$21,322.36**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/21/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #3

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	312		280	32	$1,425.92	56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	16		16				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
CACL2 (50)	50# sk	$14.32							
LIME (50)	50# sk	$5.00							
OPTI - G	50# sk	$30.59							
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40							
BENTONE 990 (50)	50# sk	$83.59							
OPTI - MUL	gal	$10.75							
OPTI - WET	gal	$8.34							
NEW PHALT	50# sk	$38.72							
OIL SORB (25)	25# sk	$4.75	50		50				
NEW CARB (M)	50# sk	$5.25							
CYBERSEAL									
MAGMAFIBER F (25)	25# sk	$28.05							
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG									
NUT PLUG M (50)	50# sk	$12.04							
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	400		400				
OPTI DRILL (OBM)	bbl	$65.00	1608		1608				
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	14	$13,860.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	14	$420.00
ENGINEERING (MILES)	each	$1.00						580	$580.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						14	$210.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						400	$792.00
TRUCKING (min)	each	$650.00						3	$1,950.00
PALLETS (ea)	each	$12.00						10	$120.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $3,465.92			**Cumulative Total $21,322.36**			**$21,322.36**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/21/21	**MAGNOLIA OIL & GAS**	**BOONE C-1H**	**285**	**Report #3**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
OBM_D 6_16_21	gal	$2.33	14409		14409				

Cumulative Total AES & 3rd Party $21,322.36

07/06/21 **Report #5**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**0 ft**	**2,725 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**P/U BHA**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±275K**	**<10 <20**	**<10**
				7/6/21		7/5/21
Time Sample Taken				1:00		14:00
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				2,725'		2,725'
Mud Weight (ppg)				9.1		9.1
Funnel Vis (sec/qt)			@ 100 °F	45		46
600 rpm				30		30
300 rpm				19		19
200 rpm				17		17
100 rpm				11		11
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	11		11
Yield Point (lb/100 ft²)			T0 = 4	8		8
Gel Strength (lb/100 ft²)			10 sec/10 min	6/9		6/10
Gel Strength (lb/100 ft^2)			30 min	14		13
HTHP Filtrate (cm/30 min)			@ 250 °F	8.0		8.0
HTHP Cake Thickness (32nds)				2.0		1.0
Retort Solids Content				8%		8%
Corrected Solids (vol%)				5.3%		5.3%
Retort Oil Content				65%		65%
Retort Water Content				27%		27%
O/W Ratio				71:29		71:29
Whole Mud Chlorides (mg/L)				67,000		68,000
Water Phase Salinity (ppm)				280,118		283,115
Whole Mud Alkalinity, Pom				1.6		1.5
Excess Lime (lb/bbl)				2.1 ppb		2 ppb
Electrical Stability (volts)				395 v		400 v
Average Specific Gravity of Solids				3.23		3.21
Percent Low Gravity Solids				2.6%		2.7%
ppb Low Gravity Solids				21 ppb		22 ppb
Percent Barite				2.7%		2.6%
ppb Barite				38 ppb		37 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				E. SANCHEZ	0	A. ROMAN

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	453 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	252 bbl	Stroke	12	Stroke	12	Stroke	12
Active	453 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	1533 bbl	stk/min	0	stk/min	0	stk/min	0
Tot. on Location	2238 bbl	gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA			
PHHP = 0			n = 0.659 K = 159.065
Bit Depth = '		Washout = 1%	Pump Efficiency = 95%
Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol. 0.0 bbl	BottomsUp Stks	BottomsUp Time
0.0 bbl	TotalCirc.Vol. 453.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
			0'	0'
				0'
				0'
				0'
				0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4	9.760	2,717'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	9.974		2,725'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,717 ft			

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	140	
Cuttings Dryer	140	
Centrifuge 1		6.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	262.9
Transferred In(+)/Out(-)	1985.0
Oil Added (+)	51.4
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
OverFlow Shakers	
Cent/Evap/Trip	-61.1
Est. Total on Location	2238.1
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Motor/MWD	Calc. Circ. Pressure

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
Bit Impact Force	Nozzle Velocity (ft/sec)			

Remarks/Recommendations:

OBM TRANSFER IN:1985 BBLS

OBM INSIDE CASING: 251 BBLS

Rig Activity:

Skid over from BROGSTEDT OL 2H and R/U flowline, kill line, choke, and stand pipe. N/U BOP and test, everything OK. Cut back MWT from 9.5ppg to 9.1 ppg with centrifuge/diesel additions. C/O shaker screens on shaker 2 and 3. Currently P/U BHA at report time. Plan ahead is to TIH to bottom, tag/drill out cement.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Adolfo A. Roman	Edgar Sanchez	MIDLAND	WH #2	
Phone: 956-821-9994	Phone: 956-693-3035	Phone: 936-349-0785	Phone:	

W	P	Y	E	C	g	G	H	O
1	1	1	1	1	1	1	1	1

	Daily Total	Cumulative Cost
	$2,490.00	**$23,849.61**
INCLUDING 3RD PARTY CHARGES	**$7,626.04**	**$28,985.65**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/06/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #5

			DAILY USAGE & COST					CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36		16	16				
CACL2 (50)	50# sk	$14.32		230	230				
LIME (50)	50# sk	$5.00		150	150				
OPTI - G	50# sk	$30.59		160	160				
BENTONE 38 (50)	50# sk	$163.94		32	32				
BENTONE 910 (50)	50# sk	$59.40		58	58				
BENTONE 990 (50)	50# sk	$83.59		53	53				
OPTI - MUL	gal	$10.75		330	330				
OPTI - WET	gal	$8.34		385	385				
NEW PHALT	50# sk	$38.72		175	175				
OIL SORB (25)	25# sk	$4.75		76	76			3	$14.25
NEW CARB (M)	50# sk	$5.25		210	210				
MAGMAFIBER F (25)	25# sk	$28.05		242	242				
NUT PLUG M (50)	50# sk	$12.04		80	80				
NEW WATE (SACK BARITE)	100# sk	$11.50		40	40			2	$23.00
BARITE BULK (100)	100# sk	$7.00		1238	1238				
OPTI DRILL (OBM)	bbl	$65.00	253	1985	2238				
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	16	$15,840.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	16	$480.00
ENGINEERING (MILES)	each	$1.00				450	$450.00	1030	$1,030.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						14	$210.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						400	$792.00
TRUCKING (min)	each	$650.00						3	$1,950.00
PALLETS (ea)	each	$12.00						10	$120.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
			Daily Sub-Total $2,490.00		Cumulative Total $23,849.61			$23,849.61	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/06/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #5

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00		320	320				
PRO X	25# sk	$70.00		320	320				
PRO SWEEP AID	25# sk	$46.00		320	320				
SB SUPERCEAL	25# sk	$80.00		320	320				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38		12114	9956	2158	$5,136.04	2158	$5,136.04

Daily Sub-Total $5,136.04

$5,136.04

Cumulative Total AES & 3rd Party $28,985.65

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8																				
	Starting Depth	2,217	2,217																			
	Ending Depth	2,217																				
-	Footage Drilled	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	New Hole Vol.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238
-	Chemical Additions																					
51	Base Fluid Added	51																				
-	Barite Increase																					
-	Weighted Mud Added																					
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
51	Total Additions	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
-	Mud Loss to Cuttings																					
-	Unrecoverable Volume																					
51	Centrifuge Losses	51																				
51	Total Losses	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,238	Ending System Volume	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238	2,238
-	Mud Recovered																					

2,238

Comments:	Comments:	Comments:
7/6/21 Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	7/14/21	7/21/21
7/8/21	7/15/21	7/22/21
7/9/21	7/16/21	7/23/21
7/10/21	7/17/21	7/24/21
7/11/21	7/18/21	7/25/21
7/12/21	7/19/21	7/26/21

07/07/21 **Report #6**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

14.6° **4,905' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**2,283 ft**	**5,000 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**190 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**683 gpm**	**3,345 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±275K**	**<10 <20**	**<10**
				7/7/21		7/6/21
Time Sample Taken				1:00		14:00
Sample Location				suction		suction
Flowline Temperature °F				140 °F		120 °F
Depth (ft)				5,000'		3,000'
Mud Weight (ppg)				9.1		9.0
Funnel Vis (sec/qt)			@ 100 °F	50		48
600 rpm				42		32
300 rpm				25		21
200 rpm				19		18
100 rpm				13		12
6 rpm				5		7
3 rpm				4		5
Plastic Viscosity (cp)			@ 150 °F	17		11
Yield Point (lb/100 ft²)			T0 = 3	8		10
Gel Strength (lb/100 ft²)			10 sec/10 min	5/8		6/10
Gel Strength (lb/100 ft^2)			30 min	12		13
HTHP Filtrate (cm/30 min)			@ 250 °F	9.0		8.0
HTHP Cake Thickness (32nds)				2.0		1.0
Retort Solids Content				9%		8%
Corrected Solids (vol%)				6%		5.3%
Retort Oil Content				61%		64%
Retort Water Content				30%		28%
O/W Ratio				67:33		70:30
Whole Mud Chlorides (mg/L)				74,000		68,000
Water Phase Salinity (ppm)				278,912		275,793
Whole Mud Alkalinity, Pom				1.6		1.5
Excess Lime (lb/bbl)				2.1 ppb		2 ppb
Electrical Stability (volts)				394 v		400 v
Average Specific Gravity of Solids				2.72		2.95
Percent Low Gravity Solids				4.7%		3.5%
ppb Low Gravity Solids				39 ppb		29 ppb
Percent Barite				1.3%		1.8%
ppb Barite				18 ppb		26 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				E. SANCHEZ	0	A. ROMAN

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	550 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	438 bbl	Stroke	12	Stroke	12	Stroke	12
Active	988 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	1740 bbl	stk/min	104	stk/min	109	stk/min	0
Tot. on Location	2728 bbl	gal/min	333	gal/min	349	gal/min	0

CIRCULATION DATA

PHHP = 1332 | n = 0.748 K = 119.774

Bit Depth = 5,000 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.							
48.1 bbl	Volume to Bit	83.5 bbl	Strokes To Bit	1,094	Time To Bit	5 min
	Bottoms Up Vol.	354.8 bbl	BottomsUp Stks	4,649	BottomsUp Time	22 min
	TotalCirc.Vol.	988.2 bbl	TotalCirc.Stks	12,950	Total Circ. Time	61 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	2,435'	0'
Agit/DP	5.000	4.276	1,996'	2,435'
Hevi Wt	5.000	3.000	271'	4,431'
Dir. BHA	7.750	2.875	298'	4,702'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4	9.950	2,717'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	10.073		5,000'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	2,435'	226.1	lam	9.48
9.95x5	2,717'	226.1	lam	9.66
10.073x5	4,431'	218.8	lam	9.71
10.073x5	4,702'	218.8	lam	9.89
10.073x7.75	5,000'	404.1	turb	10.11

BIT DATA | Manuf./Type SPL 613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,717 ft	12.0	2,283 ft	190.3

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	12.0
Shaker 2	140	12.0
Shaker 3	140	12.0
Cuttings Dryer	140	12.0
Centrifuge 1		2.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2238.2
Transferred In(+)/Out(-)	481.0
Oil Added (+)	52.6
Barite Added (+)	0.0
Other Product Usage (+)	10.1
Water Added (+)	58.8
Left on Cuttings (-)	-112.5
OverFlow Shakers	
Cent/Evap/Trip	
Est. Total on Location	2728.2
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.91	176 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
473 lbs	147			

Motor/MWD	Calc. Circ. Pressure
250 psi	1,435 psi

Remarks/Recommendations:

OBM TRANSFER IN:1985 BBLS

OBM INSIDE CASING: 251 BBLS

Rig Activity:

P/U BHA and TIH tag cement @ 2,632'. Drill out cement and 10' of new formation to 2,735'. Circulated B/U and perform FIT test. Resume drilling from 2,735' to 3,364', trouble shoot mud pump (stand pipe). Resume drilling from 3,364' to 5,000' at report time. Maintaining MWT with centrifuge/diesel additions. Average ROP 190 fr/hr, SPP 3,345 psi, GPM 683 gpm

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Adolfo A. Roman	Edgar Sanchez	MIDLAND	WH #2	
Phone: 956-821-9994	Phone: 956-693-3035	Phone: 936-349-0785	Phone:	

W	P	Y	E	C	g	G	H	O
1	1	1	1	1	1	1	1	1

	Daily Total	Cumulative Cost
	$4,979.89	**$28,829.50**
INCLUDING 3RD PARTY CHARGES	**$10,111.17**	**$39,096.82**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/07/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #6

		DAILY USAGE & COST						CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	16		16				
CACL2 (50)	50# sk	$14.32	230		168	62	$887.84	62	$887.84
LIME (50)	50# sk	$5.00	150		100	50	$250.00	50	$250.00
OPTI - G	50# sk	$30.59	160		140	20	$611.80	20	$611.80
BENTONE 38 (50)	50# sk	$163.94	32		32				
BENTONE 910 (50)	50# sk	$59.40	58		58				
BENTONE 990 (50)	50# sk	$83.59	53		53				
OPTI - MUL	gal	$10.75	330		275	55	$591.25	55	$591.25
OPTI - WET	gal	$8.34	385		385				
NEW PHALT	50# sk	$38.72	175		175				
OIL SORB (25)	25# sk	$4.75	76		76			3	$14.25
NEW CARB (M)	50# sk	$5.25	210		210				
MAGMAFIBER F (25)	25# sk	$28.05	242		242				
NUT PLUG M (50)	50# sk	$12.04	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	40		40			2	$23.00
BARITE BULK (100)	100# sk	$7.00	1238		1238				
OPTI DRILL (OBM)	bbl	$65.00	2238	481	2719				
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	18	$17,820.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	18	$540.00
ENGINEERING (MILES)	each	$1.00				599	$599.00	1629	$1,629.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						14	$210.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						400	$792.00
TRUCKING (min)	each	$650.00						3	$1,950.00
PALLETS (ea)	each	$12.00						10	$120.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $4,979.89			**Cumulative Total $28,829.50**			**$28,829.50**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/07/21	**MAGNOLIA OIL & GAS**	**BOONE C-1H**	**285**	**Report #6**

	DAILY USAGE & COST							**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320				
PRO X	25# sk	$70.00	320		320				
PRO SWEEP AID	25# sk	$46.00	320		320				
SB SUPERCEAL	25# sk	$80.00	320		320				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38	9956		7800	2156	$5,131.28	4314	$10,267.32

Daily Sub-Total $5,131.28 | **$10,267.32**

Cumulative Total AES & 3rd Party $39,096.82

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8																			
	Starting Depth	2,217	2,217	5,000																		
	Ending Depth	2,217	5,000																			
2,783	Footage Drilled	-	2,783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
264	New Hole Vol.	-	264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728
10	Chemical Additions		10																			
104	Base Fluid Added	51	53																			
-	Barite Increase																					
481	Weighted Mud Added		481																			
-	Slurry Added																					
59	Water Added		59																			
-	Added for Washout																					
654	Total Additions	51	603	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
113	Mud Loss to Cuttings		113																			
-	Unrecoverable Volume																					
51	Centrifuge Losses	51																				
164	Total Losses	51	113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,728	Ending System Volume	2,238	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728	2,728
-	Mud Recovered																					

2,719

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21		7/15/21	7/22/21
7/9/21		7/16/21	7/23/21
7/10/21		7/17/21	7/24/21
7/11/21		7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

7/7/2021 **Report 6 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

12.7° **7,396' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**2,826 ft**	**7,826 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**546 ft/hr**	**Drilling**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**705 gpm**	**4,200 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-25**	**5-12**	**>300**	**±275K**	**<10 <20**	**<10**

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	550 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	700 bbl	Stroke	12	Stroke	12	Stroke	12
Active	1226 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	1740 bbl	stk/min	110	stk/min	110	stk/min	
Tot. on Location	2990 bbl	gal/min	353	gal/min	353	gal/min	

MUD PROPERTIES				
Time Sample Taken	1:00	13:00	8:00
Sample Location	suction	suction	shaker
Flowline Temperature °F	140 °F	158 °F	149 °F
Depth (ft)	5,000'	7,580'	6,338'
Mud Weight (ppg)	9.1	9.3	9.3
Funnel Vis (sec/qt) @ 100 °F	50	46	51
600 rpm	42	46	51
300 rpm	25	27	30
200 rpm	19	19	23
100 rpm	13	12	15
6 rpm	5	5	6
3 rpm	4	4	5
Plastic Viscosity (cp) @ 150 °F	17	19	21
Yield Point (lb/100 ft²) T0 = 3	8	8	9
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/8	5/8	6/10
Gel Strength (lb/100 ft2) 30 min	12	12	13
HTHP Filtrate (cm/30 min) @ 250 °F	9.0	8.0	9.0
HTHP Cake Thickness (32nds)	2.0	2.0	2.0
Retort Solids Content	9%	9.8%	10%
Corrected Solids (vol%)	6%	7.2%	7.2%
Retort Oil Content	61%	61.2%	61.5%
Retort Water Content	30%	29%	28.5%
O/W Ratio	67:33	68:32	68:32
Whole Mud Chlorides (mg/L)	74,000	66,000	70,000
Water Phase Salinity (ppm)	278,912	263,012	278,053
Whole Mud Alkalinity, Pom	1.6	1.5	1.7
Excess Lime (lb/bbl)	2.1 ppb	2 ppb	2.2 ppb
Electrical Stability (volts)	394 v	364 v	325 v
Average Specific Gravity of Solids	2.72	2.90	2.84
Percent Low Gravity Solids	4.7%	5%	5.2%
ppb Low Gravity Solids	39 ppb	41 ppb	43 ppb
Percent Barite	1.3%	2.2%	2%
ppb Barite	18 ppb	32 ppb	29 ppb
Estimated Total LCM in System			
Sample Taken By	E. SANCHEZ	R. Bowlin	R. Bowlin

CIRCULATION DATA — Mud Wt. = 9.1 PV=17 YP=8 n = 0.748 K = 119.8

Bit Depth = 7,580 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.							
64.9 bbl	Volume to Bit	129.3 bbl	Strokes To Bit	1,694	Time To Bit	8 min
	Bottoms Up Vol.	546.4 bbl	BottomsUp Stks	7,160	BottomsUp Time	33 min
	TotalCirc.Vol.	1225.7 bbl	TotalCirc.Stks	16,062	Total Circ. Time	73 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	5,015'	
Agit/DP	5.000	4.276	1,996'	5,015'
Hevi Wt	5.000	3.000	271'	7,011'
Dir. BHA	7.750	2.875	298'	7,282'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4	9.950	2,717'	
Int. Csg.				
Washout 1				
Washout 2				
Open Hole Size		10.073	7,826'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	2,717'	233.5	turb	9.82
10.073x5	5,015'	226.0	lam	10.11
10.073x5	7,011'	226.0	lam	10.42
10.073x5	7,282'	226.0	lam	10.92
10.073x7.75	7,580'	417.4	turb	11.43

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	12.0
Shaker 2	140	12.0
Shaker 3	140	12.0
Cuttings Dryer	140	12.0
Centrifuge 1		4.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2728.2
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	6.0
Left on Cuttings (-)	-236.7
OverFlow Shakers	
Cent/Evap/Trip	
Est. Total on Location	2497.5
Est. Losses/Gains (-)/(+)	492.5

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.01	187 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
504 lbs	152			

BIT DATA — Manuf./Type SPL 613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	2,717 ft	23.0	5,109 ft	222.1	2,700 psi	4,290 psi

Afternoon Remarks/Recommendations:

Receiving 9.3ppg reserve volume from NewPark Madisonville.

Torque: 18-22K

MWD Temp: 205 Deg.

Afternoon Rig Activity:

Over the past 12 hours: Continued drilling ahead from 5,000'MD to 7,580'MD at the time of the afternoon report. Repairs on mud pump #1 were made, at the time of the pm report #1 is down for repairs again. Maintaining active density at 9.3ppg with Nov centrifuge, frac reserve volume and diesel/ drill H2O dilutions. Pumping LCM laden sweeps every 300' drilled down in 15-20bbls increments.

07/08/21 **Report #7**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

0.3° **9,547' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**4,750 ft**	**9,750 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**206 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**702 gpm**	**3,881 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-25**	**5-12**	**>300**	**±275K**	**<10 <20**	**<10**
				7/8/21	7/7/21	7/7/21
Time Sample Taken				1:00	13:00	8:00
Sample Location				suction	suction	shaker
Flowline Temperature °F				163 °F	158 °F	149 °F
Depth (ft)				9,750'	7,580'	6,338'
Mud Weight (ppg)				9.5	9.3	9.3
Funnel Vis (sec/qt)			@ 100 °F	45	46	51
600 rpm				46	46	51
300 rpm				27	27	30
200 rpm				19	19	23
100 rpm				13	12	15
6 rpm				6	5	6
3 rpm				5	4	5
Plastic Viscosity (cp)			@ 150 °F	19	19	21
Yield Point (lb/100 ft²)			T0 = 4	8	8	9
Gel Strength (lb/100 ft²)			10 sec/10 min	6/9	5/8	6/10
Gel Strength (lb/100 ft^2)			30 min	13	12	13
HTHP Filtrate (cm/30 min)			@ 250 °F	9.4	8.0	9.0
HTHP Cake Thickness (32nds)				2.0	2.0	2.0
Retort Solids Content				11%	9.8%	10%
Corrected Solids (vol%)				8.1%	7.2%	7.2%
Retort Oil Content				60%	61.2%	61.5%
Retort Water Content				29%	29%	28.5%
O/W Ratio				67:33	68:32	68:32
Whole Mud Chlorides (mg/L)				72,000	66,000	70,000
Water Phase Salinity (ppm)				280,222	263,012	278,053
Whole Mud Alkalinity, Pom				1.5	1.5	1.7
Excess Lime (lb/bbl)				2 ppb	2 ppb	2.2 ppb
Electrical Stability (volts)				388 v	364 v	325 v
Average Specific Gravity of Solids				2.88	2.90	2.84
Percent Low Gravity Solids				5.6%	5%	5.2%
ppb Low Gravity Solids				46 ppb	41 ppb	43 ppb
Percent Barite				2.5%	2.2%	2%
ppb Barite				35 ppb	32 ppb	29 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				E. SANCHEZ	R. Bowlin	R. Bowlin

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	627 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	875 bbl	Stroke	12	Stroke	12	Stroke	12
Active	1502 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	1497 bbl	stk/min	110	stk/min	109	stk/min	
Tot. on Location	2999 bbl	gal/min	353	gal/min	349	gal/min	0

CIRCULATION DATA

PHHP = 1589 | n = 0.769 | K = 114.035

Bit Depth = 9,750 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.							
79.1 bbl	Volume to Bit	167.8 bbl	Strokes To Bit	2,199	Time To Bit	10 min
	Bottoms Up Vol.	707.6 bbl	BottomsUp Stks	9,273	BottomsUp Time	42 min
	TotalCirc.Vol.	1502.4 bbl	TotalCirc.Stks	19,689	Total Circ. Time	90 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	7,185'	0'
Agit/DP	5.000	4.276	1,996'	7,185'
Hevi Wt	5.000	3.000	271'	9,181'
Dir. BHA	7.750	2.875	298'	9,452'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4	9.950	2,717'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	10.073		9,750'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	2,717'	232.5	turb	9.88
10.073x5	7,185'	225.0	turb	9.96
10.073x5	9,181'	225.0	turb	10.10
10.073x5	9,452'	225.0	turb	10.29
10.073x7.75	9,750'	415.5	turb	10.50

BIT DATA | Manuf./Type SPL 613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	2,717 ft	23.0	4,750 ft	206.5	2,700 psi	4,668 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	12.0
Shaker 2	140	12.0
Shaker 3	140	12.0
Cuttings Dryer	140	12.0
Centrifuge 1		6.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2728.2
Transferred In(+)/Out(-)	438.0
Oil Added (+)	246.8
Barite Added (+)	9.6
Other Product Usage (+)	4.7
Water Added (+)	6.0
Left on Cuttings (-)	-397.9
OverFlow Shakers	
Cent/Evap/Trip	-36.0
Est. Total on Location	2999.4
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.04	194 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
522 lbs	151			

Remarks/Recommendations:

OBM TRANSFER IN: 2238 BBLS

OBM Received : 481 bbl @ 9.3 ppg (7/6/21)

OBM Received : 438 bbl @ 9.3 ppg (7/7/21)

Rig Activity:

Continue to drill ahead from 5,000' to 9,750'. Pumping 15-20 bbl of 12.5 ppb LCM sweeps every 300'. Gradually increased MWT from 9.1 ppg to 9.5 ppg. Plan ahead is to drill to section T.D. and pump two 30 bbl LCM sweeps. Average ROP 206 fr/hr, SPP 3,881 psi, GPM 702 gpm. Last survey MD: 9,638', TVD: 9,434' INC: .30 degrees

Eng. 1:	Rob Bowlin	Eng. 2:	Edgar Sanchez	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	228-990-1055	Phone:	956-693-3035	Phone:	936-349-0785	Phone:		

W	P	Y	E	C	g	G	H	O
1	1	1	1	1	1	1	1	1

	Daily Total	Cumulative Cost
	$16,101.11	**$44,930.61**
INCLUDING 3RD PARTY CHARGES	**$40,377.11**	**$79,473.93**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/08/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #7

		DAILY USAGE & COST						CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	16		16				
CACL2 (50)	50# sk	$14.32	168		140	28	$400.96	90	$1,288.80
LIME (50)	50# sk	$5.00	100		100			50	$250.00
OPTI - G	50# sk	$30.59	140		135	5	$152.95	25	$764.75
BENTONE 38 (50)	50# sk	$163.94	32		32				
BENTONE 910 (50)	50# sk	$59.40	58		56	2	$118.80	2	$118.80
BENTONE 990 (50)	50# sk	$83.59	53		53				
OPTI - MUL	gal	$10.75	275		220	55	$591.25	110	$1,182.50
OPTI - WET	gal	$8.34	385		275	110	$917.40	110	$917.40
NEW PHALT	50# sk	$38.72	175		165	10	$387.20	10	$387.20
OIL SORB (25)	25# sk	$4.75	76		76			3	$14.25
NEW CARB (M)	50# sk	$5.25	210		210				
MAGMAFIBER F (25)	25# sk	$28.05	242		235	7	$196.35	7	$196.35
NUT PLUG M (50)	50# sk	$12.04	80		75	5	$60.20	5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	40		40			2	$23.00
BARITE BULK (100)	100# sk	$7.00	1238		1100	138	$966.00	138	$966.00
OPTI DRILL (OBM)	bbl	$65.00	2719	438	2999	158	$10,270.00	158	$10,270.00
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	20	$19,800.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	20	$600.00
ENGINEERING (MILES)	each	$1.00						1629	$1,629.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						14	$210.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						400	$792.00
TRUCKING (min)	each	$650.00						3	$1,950.00
PALLETS (ea)	each	$12.00						10	$120.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $16,101.11			**Cumulative Total $44,930.61**			**$44,930.61**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/08/21	**MAGNOLIA OIL & GAS**	**BOONE C-1H**	**285**	**Report #7**

DAILY USAGE & COST									**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320					
PRO X	25# sk	$70.00	320		320					
PRO SWEEP AID	25# sk	$46.00	320		320					
SB SUPERCEAL	25# sk	$80.00	320		320					
OBM_D 6_16_21	gal	$2.33								
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38	7800			7800	$18,564.00		12114	$28,831.32
OBM_D 7_7_21	gal	$2.38		7500	5100	2400	$5,712.00		2400	$5,712.00
								Daily Sub-Total	**$24,276.00**	**$34,543.32**

Cumulative Total AES & 3rd Party $79,473.93

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8																		
	Starting Depth	2,217	2,217	5,000	9,750																	
	Ending Depth	2,217	5,000	9,750																		
7,533	Footage Drilled	-	2,783	4,750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
714	New Hole Vol.	-	264	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999
15	Chemical Additions		10	5																		
351	Base Fluid Added	51	53	247																		
10	Barite Increase			10																		
919	Weighted Mud Added		481	438																		
-	Slurry Added																					
65	Water Added		59	6																		
-	Added for Washout																					
1,359	Total Additions	51	603	705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
512	Mud Loss to Cuttings		113	399																		
-	Unrecoverable Volume																					
87	Centrifuge Losses	51		36																		
599	Total Losses	51	113	435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,999	Ending System Volume	2,238	2,728	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999	2,999
-	Mud Recovered																					

3,157

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21		7/16/21	7/23/21
7/10/21		7/17/21	7/24/21
7/11/21		7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

7/8/2021

Report 7 pm

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

14.0° **7,238' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**280 ft**	**10,030 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**TOOH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-25**	**5-12**	**>300**	**±275K**	**<10 <20**	**<10**

MUD PROPERTIES

Time Sample Taken	1:00		8:00
Sample Location	suction		suction
Flowline Temperature °F	163 °F		194 °F
Depth (ft)	9,750'		9,882'
Mud Weight (ppg)	9.5		9.5
Funnel Vis (sec/qt) @ 100 °F	45		48
600 rpm	46		49
300 rpm	27		29
200 rpm	19		22
100 rpm	13		14
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	19		20
Yield Point (lb/100 ft²) T0 = 4	8		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/9		6/9
Gel Strength (lb/100 ft2) 30 min	13		12
HTHP Filtrate (cm/30 min) @ 250 °F	9.4		10.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	11%		11%
Corrected Solids (vol%)	8.1%		8.1%
Retort Oil Content	60%		60.5%
Retort Water Content	29%		28.5%
O/W Ratio	67:33		68:32
Whole Mud Chlorides (mg/L)	72,000		72,000
Water Phase Salinity (ppm)	280,222		283,743
Whole Mud Alkalinity, Pom	1.5		1.5
Excess Lime (lb/bbl)	2 ppb		2 ppb
Electrical Stability (volts)	388 v		401 v
Average Specific Gravity of Solids	2.88		2.89
Percent Low Gravity Solids	5.6%		5.6%
ppb Low Gravity Solids	46 ppb		46 ppb
Percent Barite	2.5%		2.5%
ppb Barite	35 ppb		36 ppb
Estimated Total LCM in System			
Sample Taken By	E. SANCHEZ		R. Bowlin

MUD VOLUME (BBL)

In Pits	544 bbl
In Hole	918 bbl
Active	1205 bbl
Storage	1497 bbl
Tot. on Location	2959 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	
gal/min	

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	
gal/min	

RISER BOOSTER

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	
gal/min	

Mud Wt. = 9.5 PV=19 YP=8 **CIRCULATION DATA** n = 0.769 K = 114.0

Bit Depth = 7,418 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
63.9 bbl	Bottoms Up Vol. 534.4 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 1204.8 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	4,853'	
Agit/DP	5.000	4.276	1,996'	4,853'
Hevi Wt	5.000	3.000	271'	6,849'
Dir. BHA	7.750	2.875	298'	7,120'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4	9.950	2,717'	
Int. Csg.				
Washout 1				
Washout 2				
Open Hole Size	10.073		10,030'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	2,717'		lam	9.50
10.073x5	4,853'		lam	9.50
10.073x5	6,849'		lam	9.50
10.073x5	7,120'		lam	9.50
10.073x7.75	7,418'		lam	9.50

BIT DATA Manuf./Type SPL 613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	2,717 ft	31.0	7,313 ft	235.9		62 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	12.0
Shaker 2	140	12.0
Shaker 3	140	12.0
Cuttings Dryer	140	12.0
Centrifuge 1		4.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2999.4
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	10.0
Left on Cuttings (-)	-23.5
OverFlow Shakers	
Cent/ Evap	-26.7
Est. Total on Location	2959.3
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
		14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16

Afternoon Remarks/Recommendations:

MWD Temp Last Recorded: 232 Deg.

Afternoon Rig Activity:

Over the past 12 hours continued drilling ahead from 9,750'MD to interval TD at 10,030'MD. Pumped (1) 30bbl LCM laden sweep for the clean-up cycle, observed no increase in cuttings load at the shakers. Maintained active density at 9.5ppg. At the time of the afternoon report tripping out of the hole at 7,418' for the casing run.

07/09/21 **Report #8**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

16.7° **3,931' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**280 ft**	**10,030 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**Running Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-25**	**5-12**	**>300**	**±275K**	**<10 <20**	**<10**

	7/9/21		7/8/21
Time Sample Taken	1:00		8:00
Sample Location	suction		suction
Flowline Temperature °F			194 °F
Depth (ft)	10,030'		9,882'
Mud Weight (ppg)	9.5		9.5
Funnel Vis (sec/qt) @ 100 °F	49		48
600 rpm	48		49
300 rpm	29		29
200 rpm	20		22
100 rpm	14		14
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	19		20
Yield Point (lb/100 ft²) T0 = 4	10		9
Gel Strength (lb/100 ft²) 10 sec/10 min	6/9		6/9
Gel Strength (lb/100 ft²) 30 min	13		12
HTHP Filtrate (cm/30 min) @ 250 °F	10.0		10.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	11%		11%
Corrected Solids (vol%)	8.1%		8.1%
Retort Oil Content	61%		60.5%
Retort Water Content	28%		28.5%
O/W Ratio	69:31		68:32
Whole Mud Chlorides (mg/L)	71,000		72,000
Water Phase Salinity (ppm)	284,499		283,743
Whole Mud Alkalinity, Pom	1.6		1.5
Excess Lime (lb/bbl)	2.1 ppb		2 ppb
Electrical Stability (volts)	404 v		401 v
Average Specific Gravity of Solids	2.91		2.89
Percent Low Gravity Solids	5.5%		5.6%
ppb Low Gravity Solids	45 ppb		46 ppb
Percent Barite	2.6%		2.5%
ppb Barite	37 ppb		36 ppb
Estimated Total LCM in System ppb			
Sample Taken By	E. SANCHEZ	0	R. Bowlin

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	503 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	956 bbl	Stroke	12	Stroke	12	Stroke	12
Active	865 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	1497 bbl	stk/min		stk/min		stk/min	
Tot. on Location	2956 bbl	gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA

PHHP = 0 — n = 0.727 K = 158.853

Bit Depth = 4,000 ' — Washout = 2% — Pump Efficiency = 95%

Drill String Disp.					
	Volume to Bit	71.0 bbl	Strokes To Bit		Time To Bit
	Bottoms Up Vol.	290.6 bbl	BottomsUp Stks		BottomsUp Time
26.1 bbl	TotalCirc.Vol.	864.7 bbl	TotalCirc.Stks		Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	5.000	4.276	4,000'	0'
				4,000'
				4,000'
				4,000'

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	12.0
Shaker 2	140	12.0
Shaker 3	140	12.0
Cuttings Dryer	140	12.0
Centrifuge 1		4.0

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4	9.950	2,717'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	10.073		10,030'	

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2999.4
Transferred In(+)/Out(-)	
Oil Added (+)	51.3
Barite Added (+)	8.4
Other Product Usage (+)	1.5
Water Added (+)	10.0
Left on Cuttings (-)	-23.5
Non-Recoverable Vol. (-)	-39.8
Cent/ Evap	-51.3
Est. Total on Location	2956.0
Est. Losses/Gains (-)/(+)	0.0

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	2,717'	0.0	lam	9.50
10.073x5	4,000'	0.0	lam	9.50

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.00	psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
0 lbs	0			

BIT DATA Manuf./Type SPL 613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	2,717 ft	31.0	7,313 ft	235.9	psi	

Remarks/Recommendations:

OBM TRANSFER IN: 1985 BBLS (BORGSTEDT OL 2H)

OBM LEFT IN CASING: 253 BBL (6/21/21)

OBM Received : 919 BBL @ 9.3 ppg (7/7/21)

TOTAL OBM Received: 3157 BBL

Rig Activity:

Finished Drilling from 9,750' to 10,030' (T.D.). Last survey MD:9,961', TVD: 9,753, INC: 14.5 degrees. At T.D. pumped 30 bbl of 12.5 ppb LCM weep and circulated around the system. Pumped slug, POOH to surface, and L/D BHA. R/U and Held S/M with casing crew. Monitor casing pressure while R/U casing crew. Casing pressure build up. R/D casing crew and began running in hole with drill pipe. Plan ahead is to go back to bottom and circulate/increase mud weight.

Eng. 1:	Rob Bowlin	Eng. 2:	Edgar Sanchez	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	228-990-1055	Phone:	956-693-3035	Phone:	936-349-0785	Phone:		

W	P	Y	E	C	g	G	H	O
1	1	1	1	1	1	1	2	1

	Daily Total	Cumulative Cost
	$6,608.80	**$51,539.41**
INCLUDING 3RD PARTY CHARGES	**$11,735.32**	**$91,209.25**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/09/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #8

	DAILY USAGE & COST							CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	16		16				
CACL2 (50)	50# sk	$14.32	140		140			90	$1,288.80
LIME (50)	50# sk	$5.00	100		75	25	$125.00	75	$375.00
OPTI - G	50# sk	$30.59	135		135			25	$764.75
BENTONE 38 (50)	50# sk	$163.94	32		32				
BENTONE 910 (50)	50# sk	$59.40	56		56			2	$118.80
BENTONE 990 (50)	50# sk	$83.59	53		53				
OPTI - MUL	gal	$10.75	220		220			110	$1,182.50
OPTI - WET	gal	$8.34	275		275			110	$917.40
NEW PHALT	50# sk	$38.72	165		165			10	$387.20
OIL SORB (25)	25# sk	$4.75	76		76			3	$14.25
NEW CARB (M)	50# sk	$5.25	210		210				
MAGMAFIBER F (25)	25# sk	$28.05	235		235			7	$196.35
NUT PLUG M (50)	50# sk	$12.04	75		75			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	40		40			2	$23.00
BARITE BULK (100)	100# sk	$7.00	1100	400	1380	120	$841.40	258	$1,807.40
OPTI DRILL (OBM)	bbl	$65.00	2999		2956	43	$2,795.00	201	$13,065.00
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	22	$21,780.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	22	$660.00
ENGINEERING (MILES)	each	$1.00						1629	$1,629.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00				1	$15.00	15	$225.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98				400	$792.40	800	$1,584.40
TRUCKING (min)	each	$650.00						3	$1,950.00
PALLETS (ea)	each	$12.00						10	$120.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $6,608.80			Cumulative Total $51,539.41			$51,539.41	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/09/21	**MAGNOLIA OIL & GAS**	**BOONE C-1H**	**285**	**Report #8**

	DAILY USAGE & COST							CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320				
PRO X	25# sk	$70.00	320		320				
PRO SWEEP AID	25# sk	$46.00	320		320				
SB SUPERCEAL	25# sk	$80.00	320		320				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38	5100		2946	2154	$5,126.52	4554	$10,838.52
OBM_D 7_8_21	gal	$2.36		7200	7200				
							Daily Sub-Total $5,126.52		**$39,669.84**

Cumulative Total AES & 3rd Party $91,209.25

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8																	
	Starting Depth	2,217	2,217	5,000	9,750	10,030																
	Ending Depth	2,217	5,000	9,750	10,030																	
7,813	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
740	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956
16	Chemical Additions		10	5	2																	
402	Base Fluid Added	51	53	247	51																	
18	Barite Increase			10	8																	
919	Weighted Mud Added		481	438																		
-	Slurry Added																					
75	Water Added		59	6	10																	
-	Added for Washout																					
1,430	Total Additions	51	603	705	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
535	Mud Loss to Cuttings		113	399	24																	
40	Unrecoverable Volume				40																	
137	Centrifuge Losses	51		36	50																	
712	Total Losses	51	113	435	114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,956	Ending System Volume	2,238	2,728	2,999	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956	2,956
-	Mud Recovered																					

3,157

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21		7/17/21	7/24/21
7/11/21		7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

07/10/21 **Report #9**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

16.7° **3,931' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**0 ft**	**10,030 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**TOOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-25**	**5-12**	**>300**	**±275K**	**<10 <20**	**<10**

	7/10/21		7/9/21
Time Sample Taken	1:00		11:50
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	10,030'		10,030'
Mud Weight (ppg)	10.0		10.0
Funnel Vis (sec/qt) @ 100 °F	56		54
600 rpm	56		57
300 rpm	33		33
200 rpm	24		24
100 rpm	16		16
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	23		24
Yield Point (lb/100 ft²) T0 = 4	10		9
Gel Strength (lb/100 ft²) 10 sec/10 min	8/11		8/10
Gel Strength (lb/100 ft²) 30 min	14		12
HTHP Filtrate (cm/30 min) @ 250 °F	10.0		10.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	13.2%		13.1%
Corrected Solids (vol%)	10.3%		10.3%
Retort Oil Content	58.8%		58.9%
Retort Water Content	28%		28%
O/W Ratio	68:32		68:32
Whole Mud Chlorides (mg/L)	71,000		70,000
Water Phase Salinity (ppm)	284,499		281,620
Whole Mud Alkalinity, Pom	1.4		1.3
Excess Lime (lb/bbl)	1.8 ppb		1.7 ppb
Electrical Stability (volts)	378 v		381 v
Average Specific Gravity of Solids	3.05		3.07
Percent Low Gravity Solids	6.2%		6.1%
ppb Low Gravity Solids	51 ppb		50 ppb
Percent Barite	4.1%		4.2%
ppb Barite	59 ppb		60 ppb
Estimated Total LCM in System ppb			
Sample Taken By	E. SANCHEZ	0	R. Bowlin

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	573 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	940 bbl	Stroke	12	Stroke	12	Stroke	12
Active	919 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	1343 bbl	stk/min		stk/min		stk/min	
Tot. on Location	2856 bbl	gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA

PHHP = 0 | n = 0.763 | K = 144.433

Bit Depth = 4,000 '	Washout = 2%	Pump Efficiency = 95%

Drill String Disp.			
	Volume to Bit 183.7 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol. 161.8 bbl	BottomsUp Stks	BottomsUp Time
42.3 bbl	TotalCirc.Vol. 918.5 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	7.625	6.875	4,000'	0'
				4,000'
				4,000'
				4,000'

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	12.0
Shaker 2	140	12.0
Shaker 3	140	12.0
Cuttings Dryer	140	12.0
Centrifuge 1		

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4	9.950	2,717'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	10.073		10,030'	

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2956.0
Transferred In(+)/Out(-)	
Oil Added (+)	10.5
Barite Added (+)	29.3
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Seepage Circ 10.0ppg	-65.0
Non-Recoverable Vol. (-)	-75.0
Est. Total on Location	2855.8
Est. Losses/Gains (-)/(+)	0.0

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x7.625	2,717'	0.0	lam	10.00
10.073x7.625	4,000'	0.0	lam	10.00

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.00	psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
0 lbs	0			

BIT DATA | Manuf./Type SPL 613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	2,717 ft	31.0	7,313 ft	235.9	psi	

Remarks/Recommendations:

OBM TRANSFER IN: 1985 BBLS (BORGSTEDT OL 2H)

OBM Received : 919 BBL @ 9.3 ppg (7/7/21)

TOTAL OBM Received: 3157 BBL

Rig Activity:

Finished TIH to bottom 10,030'. Circulated out the influx through gas buster. Continue circulate/increase mud weight from 9.5 ppg to 10.0 ppg prior to POOH. Lost an estimated 65 bbl of seepage loses while increasing MWT to 10.0 ppg. POOH to surface, L/D BHA, and clean rig floor. R/U and Held S/M with casing crew to run 7.625" casing. Began running casing to 4,000' at report time. Plan ahead is to land casing on bottom and perform cement operations. Note OBM volumes adjusted to recently calibrated mud tank/pit sensors.

Eng. 1: Rob Bowlin	Eng. 2: Edgar Sanchez	WH 1: MIDLAND	WH 2: WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 936-349-0785	Phone:		**$6,254.68**	**$57,794.09**

W	P	Y	E	C	g	G	H	O
1	1	1	1	1	1	1	2	1

INCLUDING 3RD PARTY CHARGES	**$7,173.36**	**$98,382.61**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/10/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #9

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	16		16				
CACL2 (50)	50# sk	$14.32	140		140			90	$1,288.80
LIME (50)	50# sk	$5.00	75		75			75	$375.00
OPTI - G	50# sk	$30.59	135		135			25	$764.75
BENTONE 38 (50)	50# sk	$163.94	32		32				
BENTONE 910 (50)	50# sk	$59.40	56		56			2	$118.80
BENTONE 990 (50)	50# sk	$83.59	53		53				
OPTI - MUL	gal	$10.75	220		220			110	$1,182.50
OPTI - WET	gal	$8.34	275		220	55	$458.70	165	$1,376.10
NEW PHALT	50# sk	$38.72	165		165			10	$387.20
OIL SORB (25)	25# sk	$4.75	76		76			3	$14.25
NEW CARB (M)	50# sk	$5.25	210		210				
MAGMAFIBER F (25)	25# sk	$28.05	235		235			7	$196.35
NUT PLUG M (50)	50# sk	$12.04	75		75			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	40		40			2	$23.00
BARITE BULK (100)	100# sk	$7.00	1380	401	1360	421	$2,947.00	679	$4,754.40
OPTI DRILL (OBM)	bbl	$65.00	2956		2956			201	$13,065.00
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	24	$23,760.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	24	$720.00
ENGINEERING (MILES)	each	$1.00						1629	$1,629.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00				1	$15.00	16	$240.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98				401	$793.98	1201	$2,378.38
TRUCKING (min)	each	$650.00						3	$1,950.00
PALLETS (ea)	each	$12.00						10	$120.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $6,254.68			Cumulative Total $57,794.09			$57,794.09	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/10/21	**MAGNOLIA OIL & GAS**	**BOONE C-1H**	**285**	**Report #9**

	DAILY USAGE & COST							**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320				
PRO X	25# sk	$70.00	320		320				
PRO SWEEP AID	25# sk	$46.00	320		320				
SB SUPERCEAL	25# sk	$80.00	320		320				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38	2946		2560	386	$918.68	4940	$11,757.20
OBM_D 7_8_21	gal	$2.36	7200		7200				
OBM-D	gal	$2.36		4300	4300				

Daily Sub-Total $918.68 | **$40,588.52**

Cumulative Total AES & 3rd Party $98,382.61

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030															
	Ending Depth	2,217	5,000	9,750	10,030	10,030																
7,813	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
740	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856
16	Chemical Additions		10	5	2																	
412	Base Fluid Added	51	53	247	51	10																
47	Barite Increase			10	8	29																
919	Weighted Mud Added		481	438																		
-	Slurry Added																					
75	Water Added		59	6	10																	
-	Added for Washout																					
1,470	Total Additions	51	603	705	71	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
65	Formation Loss					65																
535	Mud Loss to Cuttings		113	399	24																	
115	Unrecoverable Volume				40	75																
137	Centrifuge Losses	51		36	50																	
852	Total Losses	51	113	435	114	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,856	Ending System Volume	2,238	2,728	2,999	2,956	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856	2,856
-	Mud Recovered																					

3,157

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21		7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

7/10/2021

Report 9 pm

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**		**10,030 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**ND/Prep to Skid**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**OBM**		

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-25**	**5-12**	**>300**	**±275K**	**<10 <20**	**<10**

MUD VOLUME (BBL)	
In Pits	
In Hole	460 bbl
Active	
Storage	
Tot. on Location	460 bbl

PUMP #1	
Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	
gal/min	

PUMP #2	
Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	
gal/min	

RISER BOOSTER	
Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	
gal/min	

MUD PROPERTIES			
Time Sample Taken	1:00		11:50
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	10,030'		10,030'
Mud Weight (ppg)	10.0		10.0
Funnel Vis (sec/qt) @ 100 °F	56		54
600 rpm	56		57
300 rpm	33		33
200 rpm	24		24
100 rpm	16		16
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	23		24
Yield Point (lb/100 ft²) T0 = 4	10		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	8/11		8/10
Gel Strength (lb/100 ft2) 30 min	14		12
HTHP Filtrate (cm/30 min) @ 250 °F	10.0		10.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	13.2%		13.1%
Corrected Solids (vol%)	10.3%		10.3%
Retort Oil Content	58.8%		58.9%
Retort Water Content	28%		28%
O/W Ratio	68:32		68:32
Whole Mud Chlorides (mg/L)	71,000		70,000
Water Phase Salinity (ppm)	284,499		281,620
Whole Mud Alkalinity, Pom	1.4		1.3
Excess Lime (lb/bbl)	1.8 ppb		1.7 ppb
Electrical Stability (volts)	378 v		381 v
Average Specific Gravity of Solids	3.05		3.07
Percent Low Gravity Solids	6.2%		6.1%
ppb Low Gravity Solids	51 ppb		50 ppb
Percent Barite	4.1%		4.2%
ppb Barite	59 ppb		60 ppb
Estimated Total LCM in System			
Sample Taken By	E. SANCHEZ		R. Bowlin

CIRCULATION DATA — Mud Wt. = 10.0 PV=23 YP=10 — n = 0.763 K = 144.4

Washout = — Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol.	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	
Int. Csg.	7 5/8	6.875	10,018'	
Washout 1				
Washout 2				
Open Hole Size			10,030'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	12.0
Shaker 2	140	12.0
Shaker 3	140	12.0
Cuttings Dryer	140	12.0
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2855.9
Transferred In(+)/Out(-)	-2362.0
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	31.0
Left on Cuttings (-)	
Seepage	-41.2
Non-Recoverable Vol. (-)	-23.7
Est. Total on Location	460.0
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
#DIV/0!		14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16

BIT DATA — Manuf./Type SPL 613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
	2,717 ft	31.0	7,313 ft	235.9		

Afternoon Remarks/Recommendations:

OBM Skid Vol: 2362bbls

OBM Left In Casing: 460bbls (9.3ppg)

Afternoon Rig Activity:

Cont.running the 7.625" casing string from 4,000'MD to bottom setting the shoe at 10,018'MD. Began circulation and observed indications of flow tendency, circulated a bottoms up through the gas separator with a 6-10' flare. Rigged down Express casing crew and rigged up Nine cementers. Cemented in good fashion, observed 46bbls of test H2O/ Spacer and 30bbls of cement on surface, this volume was diverted overboard to the open-tops for disposal. At the time of the report completing casing tests, flushing the stack, ND and prep to skid.

07/11/21 **Report #10**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**0 ft**	**10,030 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**Paper Transfer**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**0 gpm**	

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits		Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
8.5-10	**5-25**	**5-12**	**>300**	**±275K**	**<10 <20**	**<10**	In Hole	460 bbl	Stroke	12	Stroke	12	Stroke	12
				7/10/21		7/9/21	Active	0 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Time Sample Taken				1:00		11:50	Storage		stk/min		stk/min		stk/min	
Sample Location				suction		suction	Tot. on Location	460 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.763	K = 144.433
Depth (ft)				10,030'		10,030'	Bit Depth = '		Washout =				Pump Efficiency = 95%	
Mud Weight (ppg)				10.0		10.0	Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)			@ 100 °F	56		54		Bottoms Up Vol. 0.0 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				56		57	0.0 bbl	TotalCirc.Vol. 0.0 bbl	TotalCirc.Stks				Total Circ. Time	
300 rpm				33		33	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				24		24	Tubulars	OD (in.) ID (in.) Length Top					Unit Screens Hours	
100 rpm				16		16			0'	0'			Shaker 1 140	
6 rpm				6		6				0'			Shaker 2 140	
3 rpm				5		5				0'			Shaker 3 140	
Plastic Viscosity (cp)			@ 150 °F	23		24				0'			Cuttings Dryer 140	
Yield Point (lb/100 ft²)			T0 = 4	10		9	**CASING & HOLE DATA**							
Gel Strength (lb/100 ft²)			10 sec/10 min	8/11		8/10	Casing	OD (in.) ID (in.) Depth Top					Centrifuge 1	
Gel Strength (lb/100 ft²)			30 min	14		12	Riser	20					**VOLUME ACCOUNTING (bbls)**	
HTHP Filtrate (cm/30 min)			@ 250 °F	10.0		10.0	Surface	10 3/4	2,717'	0'			Prev. Total on Location	2855.9
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8 6.875	10,018'	0'			Transferred In(+)/Out(-)	-2362.0
Retort Solids Content				13.2%		13.1%	Washout 1						Oil Added (+)	0.0
Corrected Solids (vol%)				10.3%		10.3%	Washout 2						Barite Added (+)	0.0
Retort Oil Content				58.8%		58.9%	Open Hole Size	0.000	10,030'				Other Product Usage (+)	0.0
Retort Water Content				28%		28%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	31.0
O/W Ratio				68:32		68:32	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	0.0
Whole Mud Chlorides (mg/L)				71,000		70,000							Seepage	-41.2
Water Phase Salinity (ppm)				284,499		281,620							Non-Recoverable Vol. (-)	-23.7
Whole Mud Alkalinity, Pom				1.4		1.3							Est. Total on Location	460.0
Excess Lime (lb/bbl)				1.8 ppb		1.7 ppb							Est. Losses/Gains (-)/(+)	0.0
Electrical Stability (volts)				378 v		381 v							**BIT HYDRAULICS DATA**	
Average Specific Gravity of Solids				3.05		3.07							Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Percent Low Gravity Solids				6.2%		6.1%								
ppb Low Gravity Solids				51 ppb		50 ppb							Bit Impact Force / Nozzle Velocity (ft/sec)	
Percent Barite				4.1%		4.2%								
ppb Barite				59 ppb		60 ppb	**BIT DATA**		Manuf./Type		SPL 613			
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD	Calc. Circ. Pressure
Sample Taken By				E. SANCHEZ	0	R. Bowlin								

Remarks/Recommendations:

OBM Skid Vol: 2362bbls

Left In Casing 460bbls (9.3ppg)

TOTAL OBM Received: 3157 BBL

Rig Activity:

Paper Transfer.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:	Daily Total	Cumulative Cost
Rob Bowlin	Edgar Sanchez	MIDLAND	WH #2			
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 936-349-0785	Phone:			
W P Y E C g G H O 1 1 1 1 1 1 1 2 1	Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.				**$8,645.00**	**$66,439.09**
				INCLUDING 3RD PARTY CHARGES	**$8,645.00**	**$107,027.61**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/11/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #10

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	16	-16					
CACL2 (50)	50# sk	$14.32	140	-140				90	$1,288.80
LIME (50)	50# sk	$5.00	75	-75				75	$375.00
OPTI - G	50# sk	$30.59	135	-135				25	$764.75
BENTONE 38 (50)	50# sk	$163.94	32	-32					
BENTONE 910 (50)	50# sk	$59.40	56	-56				2	$118.80
BENTONE 990 (50)	50# sk	$83.59	53	-53					
OPTI - MUL	gal	$10.75	220	-220				110	$1,182.50
OPTI - WET	gal	$8.34	220	-220				165	$1,376.10
NEW PHALT	50# sk	$38.72	165	-165				10	$387.20
OIL SORB (25)	25# sk	$4.75	76	-76				3	$14.25
NEW CARB (M)	50# sk	$5.25	210	-210					
MAGMAFIBER F (25)	25# sk	$28.05	235	-235				7	$196.35
NUT PLUG M (50)	50# sk	$12.04	75	-75				5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	40	-40				2	$23.00
BARITE BULK (100)	100# sk	$7.00	1360	-1360				679	$4,754.40
OPTI DRILL (OBM)	bbl	$65.00	2956	-2362	461	133	$8,645.00	334	$21,710.00
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00						24	$23,760.00
ENGINEERING (DIEM)	bbl	$30.00						24	$720.00
ENGINEERING (MILES)	each	$1.00						1629	$1,629.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						16	$240.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						1201	$2,378.38
TRUCKING (min)	each	$650.00						3	$1,950.00
PALLETS (ea)	each	$12.00						10	$120.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $8,645.00			**Cumulative Total $66,439.09**			**$66,439.09**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/11/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #10

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320	-320					
PRO X	25# sk	$70.00	320	-320					
PRO SWEEP AID	25# sk	$46.00	320	-320					
SB SUPERCEAL	25# sk	$80.00	320	-320					
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38	2560	-2560				4940	$11,757.20
OBM_D 7_8_21	gal	$2.36	7200	-7200					
OBM-D	gal	$2.36	4300	-4300					
									$40,588.52

Cumulative Total AES & 3rd Party $107,027.61

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030															
	Ending Depth	2,217	5,000	9,750	10,030	10,030																
7,813	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
740	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
16	Chemical Additions		10	5	2																	
412	Base Fluid Added	51	53	247	51	10																
47	Barite Increase			10	8	29																
919	Weighted Mud Added		481	438																		
-	Slurry Added																					
106	Water Added		59	6	10		31															
-	Added for Washout																					
1,501	Total Additions	51	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
106	Formation Loss					65	41															
535	Mud Loss to Cuttings		113	399	24																	
139	Unrecoverable Volume				40	75	24															
137	Centrifuge Losses	51		36	50																	
917	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
460	Ending System Volume	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
-	Mud Recovered																					

795

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

07/27/21 **Report #11**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

27.6° **10,200' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**420 ft**	**10,450 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**74 ft/hr**	**Drilling Lateral**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**487 gpm**	**4,400 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	711 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
9-9.5	**5-20**	**5-12**	**>300**	**±280K**	**<7 <15**	**<10**	In Hole	426 bbl	Stroke	12	Stroke	12	Stroke	12
				7/27/21		7/26/21	Active	1137 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Time Sample Taken				2:00		21:30	Storage	1592 bbl	stk/min	76	stk/min	76	stk/min	
Sample Location				suction		suction	Tot. on Location	2729 bbl	gal/min	244	gal/min	244	gal/min	0
Flowline Temperature °F				145 °F		130 °F	PHHP = 1251		**CIRCULATION DATA**				n = 0.705	K = 170.111
Depth (ft)				10,400'		10,059'	Bit Depth = 10,450 '		Washout = 5%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.1		9.1	Drill String Disp.	Volume to Bit 151.0 bbl	Strokes To Bit	1,979			Time To Bit	13 min
Funnel Vis (sec/qt)	@ 115 °F			46		48		Bottoms Up Vol. 274.6 bbl	BottomsUp Stks	3,599			BottomsUp Time	24 min
600 rpm				44		47	55.4 bbl	TotalCirc.Vol. 1136.7 bbl	TotalCirc.Stks	14,897			Total Circ. Time	98 min
300 rpm				27		28	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				16		17	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				11		11	Drill Pipe	4.500	3.876	4,509'	0'		Shaker 1	140	12.0
6 rpm				6		7	Aggitator	4.500	2.812	43'	4,509'		Shaker 2	140	12.0
3 rpm				5		5	Drill Pipe	4.500	3.876	5,756'	4,552'		Shaker 3	140	12.0
Plastic Viscosity (cp)	@ 150 °F			17		19	Dir. BHA	5.145	2.506	142'	10,308'		Cuttings Dryer	140	12.0
Yield Point (lb/100 ft²)	T0 = 4			10		9	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)	10 sec/10 min			5/9		5/8	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge		6.0
Gel Strength (lb/100 ft^2)	30 min			13		11	Riser	20					**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)	@ 250 °F			10.0		10.0	Surface	10 3/4			0'		Prev. Total on Location		460.0
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,018'	0'		Transferred In(+)/Out(-)		2129.0
Retort Solids Content				9.5%		9%	Washout 1						Oil Added (+)		108.9
Corrected Solids (vol%)				6.8%		6.3%	Washout 2						Barite Added (+)		0.0
Retort Oil Content				62.5%		63%	Open Hole Size	7.088	10,450'				Other Product Usage (+)		6.8
Retort Water Content				28%		28%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		34.6
O/W Ratio				69:31		69:31	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-20.5
Whole Mud Chlorides (mg/L)				66,500		67,000							Mud Recovered (+)		25.0
Water Phase Salinity (ppm)				271,360		272,844							Centrifuge (-)		-15.0
Whole Mud Alkalinity, Pom				2.4		2.0	6.875x4.5	4,509'	442.0	turb	10.50		Est. Total on Location		2728.7
Excess Lime (lb/bbl)				3.1 ppb		2.6 ppb	6.875x4.5	4,552'	442.0	turb	10.56		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				412 v		325 v	6.875x4.5	10,018'	442.0	turb	10.55		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				2.68		2.81	7.088x4.5	10,308'	398.1	turb	10.60		Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				5.5%		4.7%	7.088x5.145	10,450'	502.3	turb	10.66		0.71	89 psi	18 18 18
ppb Low Gravity Solids				46 ppb		39 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				1.3%		1.7%									
ppb Barite				18 ppb		24 ppb	**BIT DATA**		Manuf./Type		GTD64M		241 lbs	105	
Estimated Total LCM in System	ppb						Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				B.Guidry	0	B. Guidry	6 3/4	10,018 ft	8.0	432 ft	54.0		2,233 psi		4,400 psi

Remarks/Recommendations:

OBM Skid Vol = 1,143bbls Total
OBM Received = 2,129 bbls

Received 986 bbls of 9.2# OBM from Newpark Drilling Fluid

Total OBM In Frac Storage = 1,592 bbls

14# OBM Kill Mud in Frack Storage = 204 bbls
13# WBM KILL MUD in Frac Storage = 139 bbls

Total OBM On Location = 2,729 bbls

Rig Activity:

Skid from BOONE D 1-H to BOONE C 1-H well. Nipple up BOP's and test same. The OBM MW in the Active system was reduced to 9.2# Uilizing Diesel additions and centrifuge. M/U and P/U BHA and RIH with same to 9,815'. Pre-Treat Active System prior to Drilling out Shoe and after Reducing MW to 9.2#. Drill out shoe track, shoe and 10' of new formation to 10,028'. Perform FIT. Drill/Slide/Survey to report depth of 10,450'. Continue to drill ahead at report time. MWD TEMP = 226 deg.

Eng. 1:	Rob Bowlin	Eng. 2:	Edgar Sanchez	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	228-990-1055	Phone:	956-693-3035	Phone:	936-349-0785	Phone:				

W P Y E C g G H O
1 1 1 1 1 1 1 2 1

$5,624.32 **$72,063.41**

INCLUDING 3RD PARTY CHARGES **$17,376.78** **$124,404.39**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/27/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #11

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36		15	14	1	$41.36	1	$41.36
CACL2 (50)	50# sk	$14.32		112	112			90	$1,288.80
LIME (50)	50# sk	$5.00		275	225	50	$250.00	125	$625.00
OPTI - G	50# sk	$30.59		145	120	25	$764.75	50	$1,529.50
BENTONE 38 (50)	50# sk	$163.94		13	5	8	$1,311.52	8	$1,311.52
BENTONE 910 (50)	50# sk	$59.40		43	42	1	$59.40	3	$178.20
BENTONE 990 (50)	50# sk	$83.59		6	5	1	$83.59	1	$83.59
OPTI - MUL	gal	$10.75		495	440	55	$591.25	165	$1,773.75
OPTI - WET	gal	$8.34		440	385	55	$458.70	220	$1,834.80
NEW PHALT	50# sk	$38.72		115	115			10	$387.20
OIL SORB (25)	25# sk	$4.75		80	75	5	$23.75	8	$38.00
CAUSTIC SODA (50)	50# sk	$27.76		32	32				
NEW CARB (M)	50# sk	$5.25		170	170				
MAGMAFIBER F (25)	25# sk	$28.05		182	182			7	$196.35
NUT PLUG M (50)	50# sk	$12.04		70	70			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50		40	40			2	$23.00
BARITE BULK (100)	100# sk	$7.00		850	850			679	$4,754.40
OPTI DRILL (OBM)	bbl	$65.00	461	2129	2590			334	$21,710.00
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	26	$25,740.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	26	$780.00
ENGINEERING (MILES)	each	$1.00						1629	$1,629.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						16	$240.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						1201	$2,378.38
TRUCKING (min)	each	$650.00						3	$1,950.00
PALLETS (ea)	each	$12.00						10	$120.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $5,624.32			**Cumulative Total $72,063.41**			**$72,063.41**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/27/21	**MAGNOLIA OIL & GAS**	**BOONE C-1H**	**285**	**Report #11**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00		320	320				
PRO X	25# sk	$70.00		320	320				
PRO SWEEP AID	25# sk	$46.00		284	255	29	$1,334.00	29	$1,334.00
SB SUPERCEAL	25# sk	$80.00		280	280				
Clements 14# Kill Mud	bbl	$45.36		280	280				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38						4940	$11,757.20
OBM_D 7_8_21	gal	$2.36							
OBM-D	gal	$2.36							
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33		2262		2262	$5,270.46	2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34		7200	5000	2200	$5,148.00	2200	$5,148.00

Daily Sub-Total $11,752.46 | **$52,340.98**

Cumulative Total AES & 3rd Party $124,404.39

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8														
	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030														
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030															
7,813	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
740	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
23	Chemical Additions		10	5	2																	
521	Base Fluid Added	51	53	247	51	10																
47	Barite Increase			10	8	29																
3,048	Weighted Mud Added		481	438																		
25	Slurry Added																					
140	Water Added		59	6	10		31															
-	Added for Washout																					
3,805	Total Additions	51	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
106	Formation Loss					65	41															
556	Mud Loss to Cuttings		113	399	24																	
139	Unrecoverable Volume				40	75	24															
152	Centrifuge Losses	51		36	50																	
952	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
2,729	Ending System Volume	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
25	Mud Recovered																					

2,949

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

07/28/21 **Report #12**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

86.0° **10,443' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**2,050 ft**	**12,500 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**145 ft/hr**	**Drilling Prod.**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**399 gpm**	**4,720 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.5	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**
				7/28/21		7/27/21
Time Sample Taken				1:00		13:30
Sample Location				suction		Suction
Flowline Temperature °F				170 °F		168 °F
Depth (ft)				12,381'		11,100'
Mud Weight (ppg)				9.3		9.3
Funnel Vis (sec/qt)			@ 120 °F	49		46
600 rpm				45		39
300 rpm				28		24
200 rpm				21		19
100 rpm				14		13
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	17		15
Yield Point (lb/100 ft²)			T0 = 4	11		9
Gel Strength (lb/100 ft²)			10 sec/10 min	6/10		5/9
Gel Strength (lb/100 ft²)			30 min	14		11
HTHP Filtrate (cm/30 min)			@ 250 °F	8.2		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				9.5%		10%
Corrected Solids (vol%)				6.9%		7.4%
Retort Oil Content				62.5%		62%
Retort Water Content				28%		28%
O/W Ratio				69:31		69:31
Whole Mud Chlorides (mg/L)				64,500		66,000
Water Phase Salinity (ppm)				265,365		269,870
Whole Mud Alkalinity, Pom				5.8		3.0
Excess Lime (lb/bbl)				7.5 ppb		3.9 ppb
Electrical Stability (volts)				606 v		418 v
Average Specific Gravity of Solids				3.03		2.87
Percent Low Gravity Solids				4.2%		5.2%
ppb Low Gravity Solids				35 ppb		43 ppb
Percent Barite				2.7%		2.2%
ppb Barite				39 ppb		31 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				B.Guidry	0	R. Bowlin

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	627 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
In Hole	508 bbl	Stroke	12	Stroke	12	Stroke	12
Active	1135 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Storage	1658 bbl	stk/min	76	stk/min	76	stk/min	
Tot. on Location	2793 bbl	gal/min	199	gal/min	199	gal/min	0

CIRCULATION DATA — PHHP = 1098 — n = 0.684 K = 199.903

Bit Depth = 12,500 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.					
65.8 bbl	Volume to Bit	180.9 bbl	Strokes To Bit	2,896	Time To Bit 19 min
	Bottoms Up Vol.	327.5 bbl	BottomsUp Stks	5,243	BottomsUp Time 34 min
	TotalCirc.Vol.	1135.4 bbl	TotalCirc.Stks	18,177	Total Circ. Time 120 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.876	6,559'	0'
Aggitator	4.500	2.812	43'	6,559'
Drill Pipe	4.500	3.876	5,756'	6,602'
Dir. BHA	5.145	2.506	142'	12,358'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	0'
Int. Csg.	7 5/8	6.875	10,018'	0'
Washout 1				
Washout 2				
Open Hole Size		6.885	12,500'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	6,559'	361.8	turb	10.39
6.875x4.5	6,602'	361.8	turb	10.51
6.875x4.5	10,018'	361.8	turb	10.54
6.885x4.5	12,358'	360.0	turb	10.80
6.885x5.145	12,500'	466.9	turb	10.95

BIT DATA — Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	10,018 ft	31.0	2,482 ft	80.1	2,890 psi	4,720 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	24.0
Shaker 2	API 140's	24.0
Shaker 3	API 200's	24.0
Cuttings Dryer	140	24.0
Centrifuge		1.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2728.7
Transferred In(+)/Out(-)	
Oil Added (+)	150.2
Barite Added (+)	18.0
Other Product Usage (+)	20.3
Water Added (+)	20.0
Left on Cuttings (-)	-94.4
Seepage (-)	-34.4
Non-Recoverable Vol. (-)	-15.0
Est. Total on Location	2793.4
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.40	61 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
165 lbs	86			

Remarks/Recommendations:

OBM Skid Vol = 1,143bbls Total
OBM Received = 2,129 bbls

Total OBM On Location = 2,793 bbls

Total OBM In Frac Storage = 1,658 bbls

14# OBM Kill Mud in Frack Storage = 204 bbls

13# WBM KILL MUD in Frac Storage = 139 bbls

Rig Activity:

Continued drilling ahead on the build section from 10,450'MD to landing at 10,854'MD 10,324'TVD. Currently maintaining active density at 9.25ppg, with 450-470PSI SICP on connections. Made additions of CaCl2, Opti-Mul, Opti-Wet, Opti-G and Lime to recondition the drilling fluid to desired parameters. Screen up Shakers #1 & #3 to 200 mesh screens to control LGS % in the Active System. Drill/Slide/Survey ahead, while pumping Viscous Sweeps every 300' to report depth of 12,500' Minimal seepage losses observed due to choke positions/pressure needed to control formation influx. Continue to drill ahead at report time. MWD TEMP = 266 deg.

Eng. 1:	Rob Bowlin	Eng. 2:	Bart Guidry	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	228-990-1055	Phone:		Phone:	936-349-0785	Phone:		

W	P	Y	E	C	g	G	H	O
1	1	1	1	1	1	1	1	1

	Daily Total	Cumulative Cost
	$12,593.84	**$84,657.25**
INCLUDING 3RD PARTY CHARGES	**$27,124.76**	**$151,529.15**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/28/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #12

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	14		14			1	$41.36
CACL2 (50)	50# sk	$14.32	112			112	$1,603.84	202	$2,892.64
LIME (50)	50# sk	$5.00	225		125	100	$500.00	225	$1,125.00
OPTI - G	50# sk	$30.59	120		80	40	$1,223.60	90	$2,753.10
BENTONE 38 (50)	50# sk	$163.94	5	80	76	9	$1,475.46	17	$2,786.98
BENTONE 910 (50)	50# sk	$59.40	42	80	122			3	$178.20
BENTONE 990 (50)	50# sk	$83.59	5	120	120	5	$417.95	6	$501.54
OPTI - MUL	gal	$10.75	440	220	660			165	$1,773.75
OPTI - WET	gal	$8.34	385	220	495	110	$917.40	330	$2,752.20
NEW PHALT	50# sk	$38.72	115		115			10	$387.20
OIL SORB (25)	25# sk	$4.75	75		46	29	$137.75	37	$175.75
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
NEW CARB (M)	50# sk	$5.25	170		170				
MAGMAFIBER F (25)	25# sk	$28.05	182		182			7	$196.35
NUT PLUG M (50)	50# sk	$12.04	70		70			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	40		40			2	$23.00
BARITE BULK (100)	100# sk	$7.00	850	808	1400	258	$1,806.00	937	$6,560.40
OPTI DRILL (OBM)	bbl	$65.00	2590		2590			334	$21,710.00
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	28	$27,720.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	28	$840.00
ENGINEERING (MILES)	each	$1.00						1629	$1,629.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00				2	$30.00	18	$270.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98				808	$1,599.84	2009	$3,978.22
TRUCKING (min)	each	$650.00				1	$650.00	4	$2,600.00
PALLETS (ea)	each	$12.00				9	$108.00	19	$228.00
SHRINK WRAP (ea)	each	$12.00				7	$84.00	17	$204.00
		Daily Sub-Total $12,593.84			**Cumulative Total $84,657.25**			**$84,657.25**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/28/21	**MAGNOLIA OIL & GAS**	**BOONE C-1H**	**285**	**Report #12**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320				
PRO X	25# sk	$70.00	320		320				
PRO SWEEP AID	25# sk	$46.00	255		255			29	$1,334.00
SB SUPERCEAL	25# sk	$80.00	280		280				
Clements 14# Kill Mud	bbl	$45.36	280		280				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38						4940	$11,757.20
OBM_D 7_8_21	gal	$2.36							
OBM-D	gal	$2.36							
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33						2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34	5000			5000	$11,700.00	7200	$16,848.00
OBM _D 7-27-21	gal	$2.36		7200	6000	1200	$2,830.92	1200	$2,830.92
						Daily Sub-Total	**$14,530.92**		**$66,871.90**

Cumulative Total AES & 3rd Party $151,529.15

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8														
	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030														
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030															
9,863	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
831	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
43	Chemical Additions		10	5	2																	
671	Base Fluid Added	51	53	247	51	10																
65	Barite Increase			10	8	29																
3,048	Weighted Mud Added		481	438																		
25	Slurry Added																					
160	Water Added		59	6	10		31															
-	Added for Washout																					
4,013	Total Additions	51	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
141	Formation Loss					65	41															
650	Mud Loss to Cuttings		113	399	24																	
154	Unrecoverable Volume				40	75	24															
152	Centrifuge Losses	51		36	50																	
1,096	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
2,793	Ending System Volume	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
25	Mud Recovered																					

2,949

Comments:		Comments:	Comments:
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7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

07/29/21 **Report #13**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

87.4° **10,494' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**2,000 ft**	**14,500 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**83 ft/hr**	**Drilling/Sliding**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**399 gpm**	**3,529 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.5	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**
				7/29/21		7/28/21
Time Sample Taken				1:00		14:00
Sample Location				suction		Suction
Flowline Temperature °F				188 °F		191 °F
Depth (ft)				14,500'		13,950'
Mud Weight (ppg)				9.5		9.3
Funnel Vis (sec/qt)			@ 172 °F	45		42
600 rpm				34		33
300 rpm				22		21
200 rpm				15		15
100 rpm				11		11
6 rpm				6		5
3 rpm				5		4
Plastic Viscosity (cp)			@ 150 °F	12		12
Yield Point (lb/100 ft²)			T0 = 4	10		9
Gel Strength (lb/100 ft²)			10 sec/10 min	6/9		5/8
Gel Strength (lb/100 ft²)			30 min	13		12
HTHP Filtrate (cm/30 min)			@ 250 °F	6.4		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				11%		10%
Corrected Solids (vol%)				8.3%		7.4%
Retort Oil Content				62%		64%
Retort Water Content				27%		26%
O/W Ratio				70:30		71:29
Whole Mud Chlorides (mg/L)				66,000		64,000
Water Phase Salinity (ppm)				277,096		278,494
Whole Mud Alkalinity, Pom				2.5		3.3
Excess Lime (lb/bbl)				3.3 ppb		4.3 ppb
Electrical Stability (volts)				550 v		434 v
Average Specific Gravity of Solids				2.95		2.93
Percent Low Gravity Solids				5.5%		5%
ppb Low Gravity Solids				45 ppb		41 ppb
Percent Barite				2.8%		2.5%
ppb Barite				41 ppb		35 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				E.Sanchez	0	R. Bowlin

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	539 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
In Hole	590 bbl	Stroke	12	Stroke	12	Stroke	12
Active	1129 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Storage	1561 bbl	stk/min	76	stk/min	76	stk/min	
Tot. on Location	2690 bbl	gal/min	199	gal/min	199	gal/min	0

CIRCULATION DATA PHHP = 821 n = 0.628 K = 223.367

Bit Depth = 14,500 ' Washout = 2% Pump Efficiency = 95%

Drill String Disp.					
76.0 bbl	Volume to Bit	210.1 bbl	Strokes To Bit	3,364	Time To Bit 22 min
	Bottoms Up Vol.	380.3 bbl	BottomsUp Stks	6,088	BottomsUp Time 40 min
	TotalCirc.Vol.	1129.4 bbl	TotalCirc.Stks	18,080	Total Circ. Time 119 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.876	8,559'	0'
Aggitator	4.500	2.812	43'	8,559'
Drill Pipe	4.500	3.876	5,756'	8,602'
Dir. BHA	5.145	2.506	142'	14,358'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	0'
Int. Csg.	7 5/8	6.875	10,018'	0'
Washout 1				
Washout 2				
Open Hole Size		6.885	14,500'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	8,559'	361.8	turb	10.47
6.875x4.5	8,602'	361.8	turb	10.54
6.875x4.5	10,018'	361.8	turb	10.58
6.885x4.5	14,358'	360.0	turb	10.94
6.885x5.145	14,500'	466.9	turb	11.03

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	10,018 ft	42.0	4,059 ft	96.6	1,815 psi	3,770 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	12.0
Shaker 2	API 140's	12.0
Shaker 3	API 200's	12.0
Cuttings Dryer	140	12.0
Centrifuge		1.5

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2793.4
Transferred In(+)/Out(-)	
Oil Added (+)	94.8
Barite Added (+)	7.0
Other Product Usage (+)	15.7
Water Added (+)	35.0
Left on Cuttings (-)	-92.1
Non-Recoverable Vol. (-)	-56.7
Evap/ Cent/ Seepage	-106.7
Est. Total on Location	2690.4
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.41	63 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
168 lbs	86			

Remarks/Recommendations:

OBM Skid Vol = 1,143bbls Total
OBM Received = 2,129 bbls

Total OBM On Location = 2,793 bbls

Total OBM In Frac Storage = 1,561 bbls

14# OBM Kill Mud in Frack Storage = 204 bbls

13# WBM KILL MUD in Frac Storage = 139 bbls

Rig Activity:

Continued drilling ahead on the build section from 12,500' to landing at 14,500' MD 10,489' TVD. Gradually increased MWT from 9.2ppg to 9.5 ppg in active, with 180-225 psi CSG pressure while drilling with Average Gas 800-1200 units. Currently drilling through 90% CHALK 10% SHALE. Made additions of OPTI G, and CaCl2 due to Increase H2O% additions to reduce OWR to program specs. Continue to pump Viscous Sweeps every 300' at report time. Monitoring seepage loses due to weight increase. Continue to drill ahead at report time. ROP: 83 ft/hr, SPP: 3,529 psi, APL: 245 psi, Max Gas: 2,650 units.
MWD TEMP = 276 deg.

Eng. 1:	Rob Bowlin	Eng. 2:	Bart Guidry	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	228-990-1055	Phone:		Phone:	936-349-0785	Phone:		

W	P	Y	E	C	g	G	H	O
1	1	1	1	1	1	1	1	1

	Daily Total	Cumulative Cost
	$2,274.53	**$86,931.78**
INCLUDING 3RD PARTY CHARGES	**$11,542.25**	**$163,072.48**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/29/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #13

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	14	32	46			1	$41.36
CACL2 (50)	50# sk	$14.32		336	224	112	$1,603.84	314	$4,496.48
LIME (50)	50# sk	$5.00	125	100	205	20	$100.00	245	$1,225.00
OPTI - G	50# sk	$30.59	80		40	40	$1,223.60	130	$3,976.70
BENTONE 38 (50)	50# sk	$163.94	76		76			17	$2,786.98
BENTONE 910 (50)	50# sk	$59.40	122		120	2	$118.80	5	$297.00
BENTONE 990 (50)	50# sk	$83.59	120		103	17	$1,421.03	23	$1,922.57
OPTI - MUL	gal	$10.75	660		605	55	$591.25	220	$2,365.00
OPTI - WET	gal	$8.34	495		495			330	$2,752.20
NEW PHALT	50# sk	$38.72	115		115			10	$387.20
OIL SORB (25)	25# sk	$4.75	46	50	95	1	$4.75	38	$180.50
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
NEW CARB (M)	50# sk	$5.25	170		170				
MAGMAFIBER F (25)	25# sk	$28.05	182		182			7	$196.35
NUT PLUG M (50)	50# sk	$12.04	70		70			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	40	80	120			2	$23.00
BARITE BULK (100)	100# sk	$7.00	1400		1300	100	$700.00	1037	$7,260.40
OPTI DRILL (OBM)	bbl	$65.00	2590		2690	-100	-$6,500.00	234	$15,210.00
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	30	$29,700.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	30	$900.00
ENGINEERING (MILES)	each	$1.00						1629	$1,629.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						18	$270.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98				345	$683.26	2354	$4,661.47
TRUCKING (min)	each	$650.00						4	$2,600.00
PALLETS (ea)	each	$12.00				12	$144.00	31	$372.00
SHRINK WRAP (ea)	each	$12.00				12	$144.00	29	$348.00
		Daily Sub-Total $2,274.53			**Cumulative Total $86,931.78**			**$86,931.77**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/29/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #13

Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
				DAILY USAGE & COST				CUMULATIVE	
PRO V PLUS	25# sk	$60.00	320		320				
PRO X	25# sk	$70.00	320		320				
PRO SWEEP AID	25# sk	$46.00	255		255			29	$1,334.00
SB SUPERCEAL	25# sk	$80.00	280		280				
Clements 14# Kill Mud	bbl	$45.36	280	-131	149				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38						4940	$11,757.20
OBM_D 7_8_21	gal	$2.36							
OBM-D	gal	$2.36							
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33						2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34						7200	$16,848.00
OBM _D 7-27-21	gal	$2.36	6000		2073	3927	$9,267.72	5127	$12,099.72
OBM_D 7_28_21	gal	$2.34		7199	7199				

Daily Sub-Total $9,267.72

$76,140.70

Cumulative Total AES & 3rd Party $163,072.47

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
12,283	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
938	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
59	Chemical Additions		10	5	2																	
766	Base Fluid Added	51	53	247	51	10																
72	Barite Increase			10	8	29																
3,048	Weighted Mud Added		481	438																		
25	Slurry Added																					
195	Water Added		59	6	10		31															
-	Added for Washout																					
4,166	Total Additions	51	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
247	Formation Loss					65	41															
742	Mud Loss to Cuttings		113	399	24																	
210	Unrecoverable Volume				40	75	24															
152	Centrifuge Losses	51		36	50																	
1,352	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
2,690	Ending System Volume	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
25	Mud Recovered																					

	Comments:		Comments:		Comments:	
	7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21		7/20/21	
2,949	7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21		7/21/21	
	7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21		7/22/21	
	7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21		7/23/21	
	7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21		7/24/21	
	7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21		7/25/21	
	7/12/21		7/19/21		7/26/21	

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 4							WEEK 5							WEEK 6						
	Date	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	6 3/4	6 3/4	6 3/4																		
	Starting Depth	10,030	10,450	12,500	14,500																	
	Ending Depth	10,450	12,500	14,500																		
12,283	Footage Drilled	420	2,050	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
938	New Hole Vol.	19	91	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	460	2,729	2,793	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690
59	Chemical Additions	7	20	16																		
766	Base Fluid Added	109	150	95																		
72	Barite Increase		18	7																		
3,048	Weighted Mud Added	2,129																				
25	Slurry Added	25																				
195	Water Added	35	20	35																		
-	Added for Washout																					
4,166	Total Additions	2,304	209	153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
247	Formation Loss		34	107																		
742	Mud Loss to Cuttings	21	94	92																		
210	Unrecoverable Volume		15	57																		
152	Centrifuge Losses	15																				
1,352	Total Losses	36	144	256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out																					
2,690	Ending System Volume	2,729	2,793	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690	2,690
25	Mud Recovered	25																				

Comments:		Comments:	Comments:
7/27/21	Transferred in 2129 bbls from BOONE D 1-H. Lost 21 bbls to cuttings retention. Lost 15 bbls to centrifuge	8/3/21	8/10/21
7/28/21	Lost 34 bbls to Seepage. Lost 94 bbls to cuttings retention. 15 bbls to Non-Recoverable Volume	8/4/21	8/11/21
7/29/21	Lost 107 bbls to Seepage. Lost 92 bbls to cuttings retention. 57 bbls to Non-Recoverable Volume	8/5/21	8/12/21
7/30/21		8/6/21	8/13/21
7/31/21		8/7/21	8/14/21
8/1/21		8/8/21	8/15/21
8/2/21		8/9/21	8/16/21

Lost
2,949

7/29/2021 **Report 13 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

6.0° **9,596' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**355 ft**	**14,855 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**Circ BU/ TOOH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**294 gpm**	**1,729 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**

MUD PROPERTIES

Time Sample Taken	1:00		8:46
Sample Location	suction		Suction
Flowline Temperature °F	188 °F		167 °F
Depth (ft)	14,500'		14,855'
Mud Weight (ppg)	9.5		9.6
Funnel Vis (sec/qt) @ 172 °F	45		45
600 rpm	34		43
300 rpm	22		26
200 rpm	15		20
100 rpm	11		13
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	12		17
Yield Point (lb/100 ft²) T0 = 4	10		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/9		5/9
Gel Strength (lb/100 ft2) 30 min	13		12
HTHP Filtrate (cm/30 min) @ 250 °F	6.4		6.4
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	11%		11.3%
Corrected Solids (vol%)	8.3%		8.7%
Retort Oil Content	62%		60.7%
Retort Water Content	27%		28%
O/W Ratio	70:30		68:32
Whole Mud Chlorides (mg/L)	66,000		65,000
Water Phase Salinity (ppm)	277,096		266,873
Whole Mud Alkalinity, Pom	2.5		2.6
Excess Lime (lb/bbl)	3.3 ppb		3.4 ppb
Electrical Stability (volts)	550 v		405 v
Average Specific Gravity of Solids	2.95		2.98
Percent Low Gravity Solids	5.5%		5.6%
ppb Low Gravity Solids	45 ppb		46 ppb
Percent Barite	2.8%		3.2%
ppb Barite	41 ppb		45 ppb
Estimated Total LCM in System			
Sample Taken By	E.Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	602 bbl
In Hole	631 bbl
Active	1000 bbl
Storage	1561 bbl
Tot. on Location	2794 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	56
gal/min	147

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	56
gal/min	147

RISER BOOSTER

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

Mud Wt. = 9.5 PV=12 YP=10 **CIRCULATION DATA** n = 0.628 K = 223.4

Bit Depth = 9,800 ' Washout = 2% Pump Efficiency = 95%

Drill String Disp.							
52.1 bbl	Volume to Bit	141.5 bbl	Strokes To Bit	2,266	Time To Bit	20 min
	Bottoms Up Vol.	256.3 bbl	BottomsUp Stks	4,104	BottomsUp Time	37 min
	TotalCirc.Vol.	999.8 bbl	TotalCirc.Stks	16,006	Total Circ. Time	143 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.876	3,859'	
Aggitator	4.500	2.812	43'	3,859'
Drill Pipe	4.500	3.876	5,756'	3,902'
Dir. BHA	5.145	2.506	142'	9,658'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	
Int. Csg.	7 5/8	6.875	10,018'	
Washout 1				
Washout 2				
Open Hole Size	6.885		14,855'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	3,859'	266.6	turb	10.00
6.875x4.5	3,902'	266.6	turb	10.00
6.875x4.5	9,658'	266.6	turb	10.00
6.875x5.145	9,800'	346.3	turb	10.01

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,018 ft	73.0	4,837 ft	66.3

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	12.0
Shaker 2	API 140's	12.0
Shaker 3	API 200's	12.0
Cuttings Dryer	140	12.0
Centrifuge		0.5

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2690.4
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	107.0
Left on Cuttings (-)	-16.3
Non-Recoverable Vol. (-)	
Evap/ Cent/ Seepage	
Est. Total on Location	2781.0
Est. Losses/Gains (-)/(+)	12.6

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.16	34 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
91 lbs	63			

Motor/MWD	Calc. Circ. Pressure
905 psi	1,710 psi

Afternoon Remarks/Recommendations:

MWD Temp: 282 Degrees Last Recorded.

Afternoon Rig Activity:

Continued drilling ahead from 14,500'MD to 14,855'MD. Decsion was made to make a BHA trip due to poor ROP, MWD issues and DP float failing. Washed and reamed out of the hole to 13,395'MD, pumping 11.5ppg weighted mud down the DP to minimize observed U-tube flow at the stump. At the time of the afternoon report circulating a BU at the shoe, plan to spot 16.0ppg kill mud to control formation pressures. Increased active density to 9.6ppg.

07/30/21 **Report #14**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.6° **300' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**355 ft**	**14,855 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**POOH/LD BHA**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	543 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**	In Hole	681 bbl	Stroke	12	Stroke	12	Stroke	12
				7/30/21		7/29/21	Active	555 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Time Sample Taken				0:05		8:46	Storage	1496 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				suction		Suction	Tot. on Location	2720 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F						167 °F	PHHP = 0		CIRCULATION DATA				n = 0.737	K = 138.970
Depth (ft)				14,855'		14,855'	Bit Depth = 300 '		Washout = 2%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.8		9.6	Drill String Disp.	Volume to Bit 4.4 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)			@ 172 °F	48		45		Bottoms Up Vol. 7.9 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				45		43	1.5 bbl	TotalCirc.Vol. 555.3 bbl	TotalCirc.Stks				Total Circ. Time	
300 rpm				27		26	DRILLING ASSEMBLY DATA						SOLIDS CONTROL	
200 rpm				20		20	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				14		13	Drill Pipe	4.500	3.876	300'	0'		Shaker 1	API 200's	12.0
6 rpm				6		6	Aggitator	4.500	2.812		300'		Shaker 2	API 140's	12.0
3 rpm				5		5	Drill Pipe	4.500	3.876		300'		Shaker 3	API 200's	12.0
Plastic Viscosity (cp)			@ 150 °F	18		17	Dir. BHA	5.145	2.506		300'		Cuttings Dryer	140	12.0
Yield Point (lb/100 ft²)			T0 = 4	9		9	CASING & HOLE DATA								
Gel Strength (lb/100 ft²)			10 sec/10 min	6/9		5/9	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge		0.5
Gel Strength (lb/100 ft²)			30 min	13		12	Riser	20					VOLUME ACCOUNTING (bbls)		
HTHP Filtrate (cm/30 min)			@ 250 °F	6.4		6.4	Surface	10 3/4		2,717'	0'		Prev. Total on Location		2690.4
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,018'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				12%		11.3%	Washout 1						Oil Added (+)		50.0
Corrected Solids (vol%)				9.3%		8.7%	Washout 2						Barite Added (+)		61.0
Retort Oil Content				60%		60.7%	Open Hole Size	6.885	14,855'				Other Product Usage (+)		4.3
Retort Water Content				28%		28%	ANNULAR GEOMETRY & RHEOLOGY						Water Added (+)		107.0
O/W Ratio				68:32		68:32	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-19.6
Whole Mud Chlorides (mg/L)				66,000		65,000							Non-Recoverable Vol. (-)		-32.8
Water Phase Salinity (ppm)				269,870		266,873							Evap/ Cent/ Seepage		-140.0
Whole Mud Alkalinity, Pom				2.4		2.6	6.875x4.5	300'	0.0	lam	9.80		Est. Total on Location		2720.2
Excess Lime (lb/bbl)				3.1 ppb		3.4 ppb							Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				415 v		405 v							BIT HYDRAULICS DATA		
Average Specific Gravity of Solids				3.09		2.98							Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				5.4%		5.6%							0.00	psi	18 18 18
ppb Low Gravity Solids				44 ppb		46 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				3.9%		3.2%									
ppb Barite				56 ppb		45 ppb	BIT DATA		Manuf./Type		GTD64M		0 lbs	0	
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				E.Sanchez	0	R. Bowlin	6 3/4	10,018 ft	73.0	4,837 ft	66.3		905 psi		

Remarks/Recommendations:

OBM Skid Vol = 1,143bbls Total
OBM Received = 2,129 bbls

Total OBM On Location = 2,690 bbls

Total OBM In Frac Storage = 1,496 bbls

14# OBM Kill Mud in Frack Storage = 204 bbls

13# WBM KILL MUD in Frac Storage = 139 bbls

Rig Activity:

Continued drilling ahead from 14,500 MD to 14,855 MD. Increase water content to program specs, treated same with CALCIUM CHLORIDE. Trouble shoot MWD and DP float not holding. Wash and ream out of the hole to 13,395'MD, pumping 11.5ppg weighted mud down the DP to minimize observed U-tube flow at the stump. Circulated B/U at the shoe. Build/spot 75 bbl of 16.0ppg kill mud @ 9,800', pull up on top of mud cap @ 7,733' pumping calculated fill. Checked for flow, no flow. Line up on trip tanks and resume POOH. Inspect and L/D agitators (wash out). P/U new BHA at report time. Build additional 150 bbl of 16.8 ppg KILL MUD while POOH. Plan ahead is to TIH, circulated kill mud out of hole and transfer to storage tanks. Monitor MWT in/out while circulating, run centrifuge/diesel additions to cut back MWT to 9.6 ppg.

Eng. 1:	Rob Bowlin	Eng. 2:	Bart Guidry	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	228-990-1055	Phone:		Phone:	936-349-0785	Phone:				

W	P	Y	E	C	g	G	H	O
1	1	1	1	1	1	1	1	1

$10,828.10 **$97,759.88**

INCLUDING 3RD PARTY CHARGES **$15,720.38** **$178,792.86**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/30/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #14

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	46		46			1	$41.36
CACL2 (50)	50# sk	$14.32	224		168	56	$801.92	370	$5,298.40
LIME (50)	50# sk	$5.00	205		205			245	$1,225.00
OPTI - G	50# sk	$30.59	40		40			130	$3,976.70
BENTONE 38 (50)	50# sk	$163.94	76		76			17	$2,786.98
BENTONE 910 (50)	50# sk	$59.40	120		120			5	$297.00
BENTONE 990 (50)	50# sk	$83.59	103		103			23	$1,922.57
OPTI - MUL	gal	$10.75	605		605			220	$2,365.00
OPTI - WET	gal	$8.34	495		470	25	$208.50	355	$2,960.70
NEW PHALT	50# sk	$38.72	115		115			10	$387.20
OIL SORB (25)	25# sk	$4.75	95		95			38	$180.50
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
NEW CARB (M)	50# sk	$5.25	170		170				
MAGMAFIBER F (25)	25# sk	$28.05	182		182			7	$196.35
NUT PLUG M (50)	50# sk	$12.04	70		70			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			2	$23.00
BARITE BULK (100)	100# sk	$7.00	1300	816	1240	876	$6,132.00	1913	$13,392.40
OPTI DRILL (OBM)	bbl	$65.00	2690		2690			234	$15,210.00
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	32	$31,680.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	32	$960.00
ENGINEERING (MILES)	each	$1.00						1629	$1,629.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00				2	$30.00	20	$300.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98				816	$1,615.68	3170	$6,277.15
TRUCKING (min)	each	$650.00						4	$2,600.00
PALLETS (ea)	each	$12.00						31	$372.00
SHRINK WRAP (ea)	each	$12.00						29	$348.00
		Daily Sub-Total $10,828.10			**Cumulative Total $97,759.88**			**$97,759.87**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/30/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #14

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320				
PRO X	25# sk	$70.00	320		320				
PRO SWEEP AID	25# sk	$46.00	255		255			29	$1,334.00
SB SUPERCEAL	25# sk	$80.00	280		280				
Clements 14# Kill Mud	bbl	$45.36	149		149				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38						4940	$11,757.20
OBM_D 7_8_21	gal	$2.36							
OBM-D	gal	$2.36							
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33						2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34						7200	$16,848.00
OBM _D 7-27-21	gal	$2.36	2073			2073	$4,892.28	7200	$16,992.00
OBM_D 7_28_21	gal	$2.34	7199		7199				
OBM_D	gal	$2.34		7200	7200				
						Daily Sub-Total	$4,892.28		$81,032.98

Cumulative Total AES & 3rd Party $178,792.85

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
12,371	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
942	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
63	Chemical Additions		10	5	2																	
816	Base Fluid Added	51	53	247	51	10																
133	Barite Increase			10	8	29																
3,048	Weighted Mud Added		481	438																		
25	Slurry Added																					
302	Water Added		59	6	10		31															
-	Added for Washout																					
4,388	Total Additions	51	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
387	Formation Loss					65	41															
762	Mud Loss to Cuttings		113	399	24																	
243	Unrecoverable Volume				40	75	24															
152	Centrifuge Losses	51		36	50																	
1,544	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
2,720	Ending System Volume	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
25	Mud Recovered																					

2,949

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 4							WEEK 5							WEEK 6						
	Date	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4																	
	Starting Depth	10,030	10,450	12,500	14,500	14,588																
	Ending Depth	10,450	12,500	14,500	14,588																	
12,371	Footage Drilled	420	2,050	2,000	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
942	New Hole Vol.	19	91	89	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	460	2,729	2,793	2,690	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720
63	Chemical Additions	7	20	16	4																	
816	Base Fluid Added	109	150	95	50																	
133	Barite Increase		18	7	61																	
3,048	Weighted Mud Added	2,129																				
25	Slurry Added	25																				
302	Water Added	35	20	35	107																	
-	Added for Washout																					
4,388	Total Additions	2,304	209	153	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
387	Formation Loss		34	107	140																	
762	Mud Loss to Cuttings	21	94	92	20																	
243	Unrecoverable Volume		15	57	33																	
152	Centrifuge Losses	15																				
1,544	Total Losses	36	144	256	193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out																					
2,720	Ending System Volume	2,729	2,793	2,690	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720	2,720
25	Mud Recovered	25																				

	Comments:	Comments:	Comments:
	7/27/21 Transferred in 2129 bbls from BOONE D 1-H. Lost 21 bbls to cuttings retention. Lost 15 bbls to centrifuge	8/3/21	8/10/21
2,949	7/28/21 Lost 34 bbls to Seepage. Lost 94 bbls to cuttings retention. 15 bbls to Non-Recoverable Volume Lost	8/4/21	8/11/21
	7/29/21 Lost 107 bbls to Seepage. Lost 92 bbls to cuttings retention. 57 bbls to Non-Recoverable Volume Lost	8/5/21	8/12/21
	7/30/21 Lost 140 bbls to Seepage. Lost 20 bbls to cuttings retention. 33 bbls to Non-Recoverable Volume Lost	8/6/21	8/13/21
	7/31/21	8/7/21	8/14/21
	8/1/21	8/8/21	8/15/21
	8/2/21	8/9/21	8/16/21

7/30/2021 **Report 14 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

87.2° **10,466' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**		**14,855 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**TIH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**

MUD PROPERTIES				
Time Sample Taken		0:05		13:00
Sample Location		suction		Suction
Flowline Temperature °F				
Depth (ft)		14,855'		14,855'
Mud Weight (ppg)		9.8		9.8
Funnel Vis (sec/qt)	@ 172 °F	48		44
600 rpm		45		35
300 rpm		27		21
200 rpm		20		16
100 rpm		14		11
6 rpm		6		5
3 rpm		5		4
Plastic Viscosity (cp)	@ 150 °F	18		14
Yield Point (lb/100 ft²)	T0 = 4	9		7
Gel Strength (lb/100 ft²)	10 sec / 10 min	6/9		4/8
Gel Strength (lb/100 ft2)	30 min	13		12
HTHP Filtrate (cm/30 min)	@ 250 °F	6.4		9.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		12%		11%
Corrected Solids (vol%)		9.3%		8.5%
Retort Oil Content		60%		62%
Retort Water Content		28%		27%
O/W Ratio		68:32		70:30
Whole Mud Chlorides (mg/L)		66,000		62,500
Water Phase Salinity (ppm)		269,870		266,315
Whole Mud Alkalinity, Pom		2.4		2.0
Excess Lime (lb/bbl)		3.1 ppb		2.6 ppb
Electrical Stability (volts)		415 v		385 v
Average Specific Gravity of Solids		3.09		3.37
Percent Low Gravity Solids		5.4%		3.6%
ppb Low Gravity Solids		44 ppb		29 ppb
Percent Barite		3.9%		5%
ppb Barite		56 ppb		71 ppb
Estimated Total LCM in System				
Sample Taken By		E.Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	543 bbl
In Hole	612 bbl
Active	1111 bbl
Storage	1496 bbl
Tot. on Location	2651 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

RISER BOOSTER

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

Mud Wt. = 9.8 PV=18 YP=9 **CIRCULATION DATA** n = 0.737 K = 139.0

Bit Depth = 13,900 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	202.9 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	365.3 bbl	BottomsUp Stks	BottomsUp Time
70.6 bbl	TotalCirc.Vol.	1111.2 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.876	13,900'	
Aggitator	4.500	2.812		13,900'
Drill Pipe	4.500	3.876		13,900'
Dir. BHA	5.145	2.506		13,900'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	
Int. Csg.	7 5/8	6.875	10,018'	
Washout 1				
Washout 2				
Open Hole Size	6.885		14,855'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,018'		lam	9.80
6.885x4.5	13,900'		lam	9.80

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	14,855 ft			#DIV/0!

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	12.0
Shaker 2	API 140's	12.0
Shaker 3	API 200's	12.0
Cuttings Dryer	140	12.0
Centrifuge		5.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2720.2
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	26.0
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Evap/ Cent/ Seepage	
Est. Total on Location	2746.2
Est. Losses/Gains (-)/(+)	-95.1

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
		18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18

Motor/MWD | Calc. Circ. Pressure 263 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Trip in the hole to 10,000'MD, hole giving back proper displacement no losses observed. Circulated mud cap out here at 10,000'MD observed 11.0-12.4ppg and diverted the same to the trip tanks for reuse 120bbls. Working on reconditioning the drilling fluid back to within the recommended parameters at the time of the pm report.

07/31/21 **Report #15**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

87.4° **10,518' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	PATTERSON	WASHINGTON	06/11/21	1,145 ft	16,000 ft
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	285	TEXAS	06/19/21	95 ft/hr	Drilling Prod.
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Colinson / Jim Harrison	Tool Pusher	GIDDINGS AC	OBM	399 gpm	5,355 psi

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10	5-20	5-12	>400	±275K	<7 <15	<10

	7/31/21		7/30/21
Time Sample Taken	0:05		13:00
Sample Location	suction		Suction
Flowline Temperature °F	190 °F		
Depth (ft)	16,000'		14,855'
Mud Weight (ppg)	9.9		9.8
Funnel Vis (sec/qt) @ 172 °F	44		44
600 rpm	43		35
300 rpm	26		21
200 rpm	18		16
100 rpm	12		11
6 rpm	5		5
3 rpm	4		4
Plastic Viscosity (cp) @ 150 °F	17		14
Yield Point (lb/100 ft²) T0 = 3	9		7
Gel Strength (lb/100 ft²) 10 sec/10 min	5/8		4/8
Gel Strength (lb/100 ft²) 30 min	12		12
HTHP Filtrate (cm/30 min) @ 250 °F	8.0		9.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	13%		11%
Corrected Solids (vol%)	10.4%		8.5%
Retort Oil Content	60%		62%
Retort Water Content	27%		27%
O/W Ratio	69:31		70:30
Whole Mud Chlorides (mg/L)	65,000		62,500
Water Phase Salinity (ppm)	274,048		266,315
Whole Mud Alkalinity, Pom	1.9		2.0
Excess Lime (lb/bbl)	2.5 ppb		2.6 ppb
Electrical Stability (volts)	415 v		385 v
Average Specific Gravity of Solids	3.01		3.37
Percent Low Gravity Solids	6.5%		3.6%
ppb Low Gravity Solids	53 ppb		29 ppb
Percent Barite	3.9%		5%
ppb Barite	56 ppb		71 ppb
Estimated Total LCM in System ppb			
Sample Taken By	E.Sanchez	0	R. Bowlin

MUD VOLUME (BBL)

In Pits	486 bbl
In Hole	659 bbl
Active	1101 bbl
Storage	1655 bbl
Tot. on Location	2800 bbl

	PUMP #1	PUMP #2	RISER BOOSTER
Liner Size	4.75	4.75	4.75
Stroke	12	12	12
bbl/stk	0.0625	0.0625	0.0625
stk/min	76	76	
gal/min	199	199	0

CIRCULATION DATA

PHHP = 1246 n = 0.726 K = 143.451

Bit Depth = 15,032 ' Washout = 2% Pump Efficiency = 95%

Drill String Disp.						
	Volume to Bit	219.4 bbl	Strokes To Bit	3,512	Time To Bit	23 min
	Bottoms Up Vol.	395.2 bbl	BottomsUp Stks	6,326	BottomsUp Time	42 min
76.3 bbl	TotalCirc.Vol.	1100.5 bbl	TotalCirc.Stks	17,618	Total Circ. Time	116 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.876	15,032'	0'
Aggitator	4.500	2.812		15,032'
Drill Pipe	4.500	3.876		15,032'
Dir. BHA	5.145	2.506		15,032'

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	12.0
Shaker 2	API 140's	12.0
Shaker 3	API 200's	12.0
Cuttings Dryer	140	12.0
Centrifuge		5.0

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	0'
Int. Csg.	7 5/8	6.875	10,018'	0'
Washout 1				
Washout 2				
Open Hole Size		6.885	16,000'	

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2720.2
Transferred In(+)/Out(-)	
Oil Added (+)	102.6
Barite Added (+)	0.0
Other Product Usage (+)	18.2
Water Added (+)	90.0
Left on Cuttings (-)	-31.6
Non-Recoverable Vol. (-)	-9.2
Evap/ Cent/ Seepage	-90.0
Est. Total on Location	2800.1
Est. Losses/Gains (-)/(+)	0.0

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,018'	361.8	turb	10.99
6.885x4.5	15,032'	360.0	turb	11.46

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.42	65 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
175 lbs	86			

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	14,855 ft	184.0	2 ft	0.0	2,700 psi	4,871 psi

Remarks/Recommendations:

OBM Skid Vol = 1,143bbls Total
OBM Received = 2,129 bbls

Total OBM On Location = 2,690 bbls

Total OBM In Frac Storage = 1,496 bbls

14# OBM Kill Mud in Frack Storage = 204 bbls

13# WBM KILL MUD in Frac Storage = 139 bbls

Rig Activity:

Finished P/U BHA and TIH to 10,000'. Circulated Mud Cap, captured heavy mud (11-12.4 ppg) in trip tanks/transferred to storage tanks. Strip in hole from 10,000' to 14,720'. Ream down to bottom from 14,720' to 14,855'. Resume drilling ahead from 14,855' to 16,000' at report time. Ran diesel/water and centrifuge to cut back MWt to 9.9ppg. Reconditioning mud properties due to diesel/water additions and centrifuge same. Continue to drill ahead at report time. Average ROP: 95 ft/hr, SPP: 5355 psi, TORQ: 19k-22k, Max Gas: units, APL: 89-100 psi MWD TEMP: 300 degrees

Eng. 1:	Rob Bowlin	Eng. 2:	Bart Guidry	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	228-990-1055	Phone:		Phone:	936-349-0785	Phone:			$667.97	$98,427.85

W	P	Y	E	C	g	G	H	O
1	1	1	1	1	1	1	1	1

INCLUDING 3RD PARTY CHARGES	$10,493.63	$189,286.49

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/31/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #15

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	46		46			1	$41.36
CACL2 (50)	50# sk	$14.32	168		56	112	$1,603.84	482	$6,902.24
LIME (50)	50# sk	$5.00	205		100	105	$525.00	350	$1,750.00
OPTI - G	50# sk	$30.59	40		20	20	$611.80	150	$4,588.50
BENTONE 38 (50)	50# sk	$163.94	76		71	5	$819.70	22	$3,606.68
BENTONE 910 (50)	50# sk	$59.40	120		120			5	$297.00
BENTONE 990 (50)	50# sk	$83.59	103		96	7	$585.13	30	$2,507.70
OPTI - MUL	gal	$10.75	605		495	110	$1,182.50	330	$3,547.50
OPTI - WET	gal	$8.34	470		470			355	$2,960.70
NEW PHALT	50# sk	$38.72	115		115			10	$387.20
OIL SORB (25)	25# sk	$4.75	95		95			38	$180.50
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
NEW CARB (M)	50# sk	$5.25	170		170				
MAGMAFIBER F (25)	25# sk	$28.05	182		182			7	$196.35
NUT PLUG M (50)	50# sk	$12.04	70		70			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			2	$23.00
BARITE BULK (100)	100# sk	$7.00	1240		1240			1913	$13,392.40
OPTI DRILL (OBM)	bbl	$65.00	2690		2800	-110	-$7,150.00	124	$8,060.00
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	34	$33,660.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	34	$1,020.00
ENGINEERING (MILES)	each	$1.00				450	$450.00	2079	$2,079.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						20	$300.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						3170	$6,277.15
TRUCKING (min)	each	$650.00						4	$2,600.00
PALLETS (ea)	each	$12.00						31	$372.00
SHRINK WRAP (ea)	each	$12.00						29	$348.00

Daily Sub-Total $667.97	Cumulative Total $98,427.85	$98,427.84

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/31/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #15

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320				
PRO X	25# sk	$70.00	320		320				
PRO SWEEP AID	25# sk	$46.00	255		255			29	$1,334.00
SB SUPERCEAL	25# sk	$80.00	280		280				
Clements 14# Kill Mud	bbl	$45.36	149		149				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38						4940	$11,757.20
OBM_D 7_8_21	gal	$2.36							
OBM-D	gal	$2.36							
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33						2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34						7200	$16,848.00
OBM _D 7-27-21	gal	$2.36						7200	$16,992.00
OBM_D 7_28_21	gal	$2.34	7199		3000	4199	$9,825.66	4199	$9,825.66
OBM_D	gal	$2.34	7200		7200				
					Daily Sub-Total		$9,825.66		$90,858.64

Cumulative Total AES & 3rd Party $189,286.48

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
13,783	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,004	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
82	Chemical Additions		10	5	2																	
919	Base Fluid Added	51	53	247	51	10																
133	Barite Increase			10	8	29																
3,048	Weighted Mud Added		481	438																		
25	Slurry Added																					
392	Water Added		59	6	10		31															
-	Added for Washout																					
4,599	Total Additions	51	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
457	Formation Loss					65	41															
794	Mud Loss to Cuttings		113	399	24																	
252	Unrecoverable Volume				40	75	24															
172	Centrifuge Losses	51		36	50																	
1,675	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
2,800	Ending System Volume	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
25	Mud Recovered																					

2,949

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 4							WEEK 5							WEEK 6						
	Date	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4																
	Starting Depth	10,030	10,450	12,500	14,500	14,588	16,000															
	Ending Depth	10,450	12,500	14,500	14,588	16,000																
13,783	Footage Drilled	420	2,050	2,000	88	1,412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,004	New Hole Vol.	19	91	89	4	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	460	2,729	2,793	2,690	2,720	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800
82	Chemical Additions	7	20	16	4	18																
919	Base Fluid Added	109	150	95	50	103																
133	Barite Increase		18	7	61																	
3,048	Weighted Mud Added	2,129																				
25	Slurry Added	25																				
392	Water Added	35	20	35	107	90																
-	Added for Washout																					
4,599	Total Additions	2,304	209	153	222	211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
457	Formation Loss		34	107	140	70																
794	Mud Loss to Cuttings	21	94	92	20	32																
252	Unrecoverable Volume		15	57	33	9																
172	Centrifuge Losses	15				20																
1,675	Total Losses	36	144	256	193	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out																					
2,800	Ending System Volume	2,729	2,793	2,690	2,720	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800
25	Mud Recovered	25																				

Comments:		Comments:	Comments:
7/27/21	Transferred in 2129 bbls from BOONE D 1-H. Lost 21 bbls to cuttings retention. Lost 15 bbls to centrifuge	8/3/21	8/10/21
7/28/21	Lost 34 bbls to Seepage. Lost 94 bbls to cuttings retention. 15 bbls to Non-Recoverable Volume	8/4/21	8/11/21
7/29/21	Lost 107 bbls to Seepage. Lost 92 bbls to cuttings retention. 57 bbls to Non-Recoverable Volume	8/5/21	8/12/21
7/30/21	Lost 140 bbls to Seepage. Lost 20 bbls to cuttings retention. 33 bbls to Non-Recoverable Volume	8/6/21	8/13/21
7/31/21	Lost 90 bbls to Seepage. Lost 32 bbls to cuttings retention. 9 bbls to Non-Recoverable Volume	8/7/21	8/14/21
8/1/21		8/8/21	8/15/21
8/2/21		8/9/21	8/16/21

Lost

2,949

7/31/2021 **Report 15 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

85.3° **10,629' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**1,078 ft**	**17,078 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**Rig Service**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**352 gpm**	**3,943 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**

MUD PROPERTIES

Time Sample Taken	0:05		14:46
Sample Location	suction		Suction
Flowline Temperature °F	190 °F		178 °F
Depth (ft)	16,000'		16,980'
Mud Weight (ppg)	9.9		9.7
Funnel Vis (sec/qt) @ 172 °F	44		48
600 rpm	43		42
300 rpm	26		26
200 rpm	18		19
100 rpm	12		14
6 rpm	5		6
3 rpm	4		5
Plastic Viscosity (cp) @ 150 °F	17		16
Yield Point (lb/100 ft²) T0 = 3	9		10
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/8		6/10
Gel Strength (lb/100 ft2) 30 min	12		14
HTHP Filtrate (cm/30 min) @ 250 °F	8.0		8.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	13%		11.6%
Corrected Solids (vol%)	10.4%		8.9%
Retort Oil Content	60%		59.9%
Retort Water Content	27%		28.5%
O/W Ratio	69:31		68:32
Whole Mud Chlorides (mg/L)	65,000		68,000
Water Phase Salinity (ppm)	274,048		272,272
Whole Mud Alkalinity, Pom	1.9		2.0
Excess Lime (lb/bbl)	2.5 ppb		2.6 ppb
Electrical Stability (volts)	415 v		400 v
Average Specific Gravity of Solids	3.01		3.03
Percent Low Gravity Solids	6.5%		5.5%
ppb Low Gravity Solids	53 ppb		45 ppb
Percent Barite	3.9%		3.4%
ppb Barite	56 ppb		49 ppb
Estimated Total LCM in System			
Sample Taken By	E.Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	530 bbl
In Hole	698 bbl
Active	1228 bbl
Storage	1600 bbl
Tot. on Location	2828 bbl

PUMP #1		**PUMP #2**		**RISER BOOSTER**	
Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
Stroke	12	Stroke	12	Stroke	12
bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
stk/min	67	stk/min	67	stk/min	
gal/min	176	gal/min	176	gal/min	

Mud Wt. = 9.9 PV=17 YP=9 **CIRCULATION DATA** n = 0.726 K = 143.5

Bit Depth = 17,070 ' Washout = 2% Pump Efficiency = 95%

Drill String Disp.							
86.7 bbl	Volume to Bit	249.1 bbl	Strokes To Bit	3,988	Time To Bit	30 min
	Bottoms Up Vol.	448.9 bbl	BottomsUp Stks	7,187	BottomsUp Time	54 min
	TotalCirc.Vol.	1228.0 bbl	TotalCirc.Stks	19,659	Total Circ. Time	147 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.876	17,070'	
Aggitator	4.500	2.812		17,070'
Drill Pipe	4.500	3.876		17,070'
Dir. BHA	5.145	2.506		17,070'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	
Int. Csg.	7 5/8	6.875	10,018'	
Washout 1				
Washout 2				
Open Hole Size	6.885		17,078'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,018'	318.9	turb	10.71
6.885x4.5	17,070'	317.3	turb	11.17

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	14,855 ft	20.0	2,223 ft	111.2	2,000 psi	3,965 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	12.0
Shaker 2	API 140's	12.0
Shaker 3	API 200's	12.0
Cuttings Dryer	140	12.0
Centrifuge		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2800.2
Transferred In(+)/Out(-)	
Oil Added (+)	47.6
Barite Added (+)	
Other Product Usage (+)	4.3
Water Added (+)	85.6
Left on Cuttings (-)	-49.6
Seepage	-28.0
Evap/ Cent/	-31.6
Est. Total on Location	2828.5
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.29	51 psi	18	18	18
Bit Impact Force: 136 lbs	Nozzle Velocity (ft/sec): 76	18	18	18

Afternoon Remarks/Recommendations:

MW @ 9.7ppg

MWD Temp 289 Degrees.

Diesel @ 7BPH H2O @ 2-BPH

Afternoon Rig Activity:

Drilling ahead F 16,000' T 17,078'. Pumping hi-vis sweeps every 300'. Slightly increased maintenance treatments of Opti-Mul, Bentone 38/990 along with increased drill H2O additions with proportional CaCl2 additions to maintain WPS. At 16,865'MD observed seepage to partial losses at an initial rate of 50bbl/hr. Reduced pump rates to 350GPM and blended 8.8ppg slurry with the active system to reduce the density from 9.9-9.7ppg. Began background LCM additions at 2-sx each of MagmaFiber Fine, NewCarb Med, Sweep Aid and SuperCeal every 30min.

08/01/21 **Report #16**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

90.3° **10,625' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**1,378 ft**	**17,378 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**Rig Service**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**352 gpm**	**3,943 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	700 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**	In Hole	711 bbl	Stroke	12	Stroke	12	Stroke	12
				8/1/21		7/31/21	Active	1411 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Time Sample Taken				0:05		14:46	Storage	1355 bbl	stk/min	67	stk/min	67	stk/min	
Sample Location				suction		Suction	Tot. on Location	2766 bbl	gal/min	176	gal/min	176	gal/min	0
Flowline Temperature °F				188 °F		178 °F	PHHP = 809		**CIRCULATION DATA**				n = 0.710	K = 133.560
Depth (ft)				17,378'		16,980'	Bit Depth = 17,378 '		Washout = 2%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.6		9.7	Drill String Disp.	Volume to Bit 253.6 bbl	Strokes To Bit	4,060			Time To Bit	30 min
Funnel Vis (sec/qt)		@ 172 °F		43		48		Bottoms Up Vol. 457.0 bbl	BottomsUp Stks	7,317			BottomsUp Time	55 min
600 rpm				36		42	88.2 bbl	TotalCirc.Vol. 1410.7 bbl	TotalCirc.Stks	22,583			Total Circ. Time	169 min
300 rpm				22		26	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				18		19	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				12		14	Drill Pipe	4.500	3.876	17,378'	0'		Shaker 1	API 200's	12.0
6 rpm				6		6	Aggitator	4.500	2.812		17,378'		Shaker 2	API 140's	12.0
3 rpm				5		5	Drill Pipe	4.500	3.876		17,378'		Shaker 3	API 200's	12.0
Plastic Viscosity (cp)		@ 150 °F		14		16	Dir. BHA	5.145	2.506		17,378'		Cuttings Dryer	140	12.0
Yield Point (lb/100 ft²)		T0 = 4		8		10	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)		10 sec/10 min		5/8		6/10	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge		0.0
Gel Strength (lb/100 ft^2)		30 min		13		14	Riser	20					**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)		@ 250 °F		7.0		8.0	Surface	10 3/4		2,717'	0'		Prev. Total on Location		2800.2
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,018'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				11.8%		11.6%	Washout 1						Oil Added (+)		124.7
Corrected Solids (vol%)				9.1%		8.9%	Washout 2						Barite Added (+)		30.6
Retort Oil Content				60.2%		59.9%	Open Hole Size	6.885	17,378'				Other Product Usage (+)		17.1
Retort Water Content				28%		28.5%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		120.0
O/W Ratio				68:32		68:32	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-63.5
Whole Mud Chlorides (mg/L)				67,000		68,000							Seepage		-180.0
Water Phase Salinity (ppm)				272,844		272,272							Evap/ Cent/		-83.5
Whole Mud Alkalinity, Pom				2.5		2.0	6.875x4.5	10,018'	318.9	turb	10.36		Est. Total on Location		2765.6
Excess Lime (lb/bbl)				3.3 ppb		2.6 ppb	6.885x4.5	17,378'	317.3	turb	10.80		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				432 v		400 v							**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				2.87		3.03							Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				6.4%		5.5%							0.28	49 psi	18 18 18
ppb Low Gravity Solids				53 ppb		45 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				2.7%		3.4%									
ppb Barite				39 ppb		49 ppb	**BIT DATA**		Manuf./Type		GTD64M		132 lbs	76	
Estimated Total LCM in System		ppb					Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				E.Sanchez	0	R. Bowlin	6 3/4	14,855 ft	27.0	2,223 ft	82.3		2,000 psi		3,863 psi

Remarks/Recommendations:

OBM Skid Vol = 1,143bbls Total
OBM Received = 2,129 bbls

Total OBM On Location = 2,800 bbls

Total OBM In Frac Storage = 1,496 bbls

14# OBM Kill Mud in Frack Storage = 204 bbls

13# WBM KILL MUD in Frac Storage = 139 bbls

Rig Activity:

Continue to drill from 16,000' to 16,865' encountered mud loses @ 50 bbl/hr. Cut back MWT from 9.9ppg to 9.6 ppg and reduced GPM: 350 gpm. Began LCM additions to active system @ 2 sxs/hr of following: MagmaFiber Fine, NewCarb Med, Sweep Aid and SuperCeal. Resume drilling to 17,078', perform rig service, worked on top drive. Finshed rig repair, drilled from 17,078' to 17,378'. Continue to encounter seepage loses @ around 6-8 bbl/hr while drilling. Trouble shoot mud motor, attempting to drill/slide at report time. Building 17 ppg KILL MUD in slug tank in preperations for Trip. Slightly increased maintenance treatments of Opti-Mul, Bentone 38/990 along with increased drill H2O additions with proportional CaCl2 additions to maintain WPS. Estimated down hole loses 180 bbls

Eng. 1:	Rob Bowlin	Eng. 2:	Edgar Sanchez	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	228-990-1055	Phone:	956-693-3035	Phone:	936-349-0785	Phone:				

W	P	Y	E	C	g	G	H	O
1	1	1	1	1	1	1	1	1

$15,199.59 **$113,627.44**

INCLUDING 3RD PARTY CHARGES **$27,314.43** **$216,600.92**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/01/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #16

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	46		46			1	$41.36
CACL2 (50)	50# sk	$14.32	56	336	280	112	$1,603.84	594	$8,506.08
LIME (50)	50# sk	$5.00	100	200	225	75	$375.00	425	$2,125.00
OPTI - G	50# sk	$30.59	20	160	160	20	$611.80	170	$5,200.30
BENTONE 38 (50)	50# sk	$163.94	71		64	7	$1,147.58	29	$4,754.26
BENTONE 910 (50)	50# sk	$59.40	120	-120				5	$297.00
BENTONE 990 (50)	50# sk	$83.59	96		81	15	$1,253.85	45	$3,761.55
OPTI - MUL	gal	$10.75	495		385	110	$1,182.50	440	$4,730.00
OPTI - WET	gal	$8.34	470		470			355	$2,960.70
NEW PHALT	50# sk	$38.72	115		115			10	$387.20
OIL SORB (25)	25# sk	$4.75	95		95			38	$180.50
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
NEW CARB (M)	50# sk	$5.25	170		170				
MAGMAFIBER F (25)	25# sk	$28.05	182		182			7	$196.35
NUT PLUG M (50)	50# sk	$12.04	70		70			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			2	$23.00
BARITE BULK (100)	100# sk	$7.00	1240		800	440	$3,080.00	2353	$16,472.40
OPTI DRILL (OBM)	bbl	$65.00	2800		2766	34	$2,210.00	158	$10,270.00
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	36	$35,640.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	36	$1,080.00
ENGINEERING (MILES)	each	$1.00						2079	$2,079.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						20	$300.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98				358	$709.02	3528	$6,986.17
TRUCKING (min)	each	$650.00				1	$650.00	5	$3,250.00
PALLETS (ea)	each	$12.00				14	$168.00	45	$540.00
SHRINK WRAP (ea)	each	$12.00				14	$168.00	43	$516.00
		Daily Sub-Total $15,199.59			**Cumulative Total $113,627.44**			**$113,627.43**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/01/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #16

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320				
PRO X	25# sk	$70.00	320		320				
PRO SWEEP AID	25# sk	$46.00	255		255			29	$1,334.00
SB SUPERCEAL	25# sk	$80.00	280		280				
Clements 14# Kill Mud	bbl	$45.36	149		149				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38						4940	$11,757.20
OBM_D 7_8_21	gal	$2.36							
OBM-D	gal	$2.36							
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33						2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34						7200	$16,848.00
OBM _D 7-27-21	gal	$2.36						7200	$16,992.00
OBM_D 7_28_21	gal	$2.34	3000			3000	$7,020.00	7199	$16,845.66
OBM_D	gal	$2.34	7200		6074	1126	$2,634.84	1126	$2,634.84
OBM_D 7_31_21	gal	$2.46		1000		1000	$2,460.00	1000	$2,460.00
OBM_D 7_31_21	gal	$2.38		6200	6200				
						Daily Sub-Total	$12,114.84		$102,973.48

Cumulative Total AES & 3rd Party $216,600.91

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
15,161	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,065	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
99	Chemical Additions		10	5	2																	
1,044	Base Fluid Added	51	53	247	51	10																
164	Barite Increase			10	8	29																
3,048	Weighted Mud Added		481	438																		
25	Slurry Added																					
512	Water Added		59	6	10		31															
-	Added for Washout																					
4,892	Total Additions	51	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
637	Formation Loss					65	41															
858	Mud Loss to Cuttings		113	399	24																	
334	Unrecoverable Volume				40	75	24															
172	Centrifuge Losses	51		36	50																	
2,001	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
2,766	Ending System Volume	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
25	Mud Recovered																					

2,949

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 4							WEEK 5							WEEK 6						
	Date	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4															
	Starting Depth	10,030	10,450	12,500	14,500	14,588	16,000	17,378														
	Ending Depth	10,450	12,500	14,500	14,588	16,000	17,378															
15,161	Footage Drilled	420	2,050	2,000	88	1,412	1,378	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,065	New Hole Vol.	19	91	89	4	62	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	460	2,729	2,793	2,690	2,720	2,800	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766
99	Chemical Additions	7	20	16	4	18	17															
1,044	Base Fluid Added	109	150	95	50	103	125															
164	Barite Increase		18	7	61		31															
3,048	Weighted Mud Added	2,129																				
25	Slurry Added	25																				
512	Water Added	35	20	35	107	90	120															
-	Added for Washout																					
4,892	Total Additions	2,304	209	153	222	211	293	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
637	Formation Loss		34	107	140	70	180															
858	Mud Loss to Cuttings	21	94	92	20	32	64															
334	Unrecoverable Volume		15	57	33	9	82															
172	Centrifuge Losses	15				20																
2,001	Total Losses	36	144	256	193	131	326	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out																					
2,766	Ending System Volume	2,729	2,793	2,690	2,720	2,800	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766
25	Mud Recovered	25																				

2,949

Comments:		Comments:	Comments:
7/27/21	Transferred in 2129 bbls from BOONE D 1-H. Lost 21 bbls to cuttings retention. Lost 15 bbls to centrifuge	8/3/21	8/10/21
7/28/21	Lost 34 bbls to Seepage. Lost 94 bbls to cuttings retention. 15 bbls to Non-Recoverable Volume	Lost 8/4/21	8/11/21
7/29/21	Lost 107 bbls to Seepage. Lost 92 bbls to cuttings retention. 57 bbls to Non-Recoverable Volume	Lost 8/5/21	8/12/21
7/30/21	Lost 140 bbls to Seepage. Lost 20 bbls to cuttings retention. 33 bbls to Non-Recoverable Volume	Lost 8/6/21	8/13/21
7/31/21	Lost 90 bbls to Seepage. Lost 32 bbls to cuttings retention. 9 bbls to Non-Recoverable Volume	Lost 8/7/21	8/14/21
8/1/21	Lost 180 bbls to Seepage. Lost 64 bbls to cuttings retention. 83 bbls to Evaporation Volume	Lost 8/8/21	8/15/21
8/2/21		8/9/21	8/16/21

8/1/2021 **Report 16 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

13.8° **7,332' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**254 ft**	**17,632 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**TOOH/ Flow Check**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**

MUD PROPERTIES

Time Sample Taken	0:05		13:00
Sample Location	suction		Suction
Flowline Temperature °F	188 °F		178 °F
Depth (ft)	17,378'		17,632'
Mud Weight (ppg)	9.6		9.6
Funnel Vis (sec/qt) @ 172 °F	43		45
600 rpm	36		37
300 rpm	22		23
200 rpm	18		19
100 rpm	12		13
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	14		14
Yield Point (lb/100 ft²) T0 = 4	8		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/8		6/9
Gel Strength (lb/100 ft2) 30 min	13		13
HTHP Filtrate (cm/30 min) @ 250 °F	7.0		7.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	11.8%		11.5%
Corrected Solids (vol%)	9.1%		8.8%
Retort Oil Content	60.2%		60.5%
Retort Water Content	28%		28%
O/W Ratio	68:32		68:32
Whole Mud Chlorides (mg/L)	67,000		68,000
Water Phase Salinity (ppm)	272,844		275,793
Whole Mud Alkalinity, Pom	2.5		2.3
Excess Lime (lb/bbl)	3.3 ppb		3 ppb
Electrical Stability (volts)	432 v		448 v
Average Specific Gravity of Solids	2.87		2.93
Percent Low Gravity Solids	6.4%		5.9%
ppb Low Gravity Solids	53 ppb		48 ppb
Percent Barite	2.7%		2.9%
ppb Barite	39 ppb		42 ppb
Estimated Total LCM in System			
Sample Taken By	E.Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	646 bbl
In Hole	772 bbl
Active	953 bbl
Storage	1355 bbl
Tot. on Location	2773 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

RISER BOOSTER

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

Mud Wt. = 9.6 PV=14 YP=8 **CIRCULATION DATA** n = 0.710 K = 133.6

Bit Depth = 7,514 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	109.7 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	197.2 bbl	BottomsUp Stks	BottomsUp Time
38.2 bbl	TotalCirc.Vol.	952.9 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.876	7,514'	
Aggitator	4.500	2.812		7,514'
Drill Pipe	4.500	3.876		7,514'
Dir. BHA	5.145	2.506		7,514'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	
Int. Csg.	7 5/8	6.875	10,018'	
Washout 1				
Washout 2				
Open Hole Size	6.885		17,632'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	7,514'		lam	9.60

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	14,855 ft	29.0	2,777 ft	95.8

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	12.0
Shaker 2	API 140's	12.0
Shaker 3	API 200's	12.0
Cuttings Dryer	140	12.0
Centrifuge		0.5

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2765.7
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	10.0
Left on Cuttings (-)	-9.9
Seepage	
TOOH WET	-45.0
Est. Total on Location	2720.7
Est. Losses/Gains (-)/(+)	52.7

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
		18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18

Motor/MWD	Calc. Circ. Pressure
	127 psi

Afternoon Remarks/Recommendations:

MW @ 9.6ppg

MWD Temp 306 Degrees.

Afternoon Rig Activity:

Experienced a mud motor failure. Washed and reamed out of the hole to 16,200'MD and began to strip out. At 10,050'MD pumped 96bbls of 17.0ppg kill mud. Stripped out to the top the mud cap at 7,514'MD, performed a flow check. Pumped slug and TOOH remainder conventionally. Active density maintain at 9.6ppg, building additional 17.0ppg for reserve volume.

08/02/21 **Report #17**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

16.5° **3,644' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**254 ft**	**17,632 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**P/U BHA**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	562 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**	In Hole	789 bbl	Stroke	12	Stroke	12	Stroke	12
				8/2/21		8/1/21	Active	710 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Time Sample Taken				0:05		13:00	Storage	1415 bbl	stk/min		stk/min		stk/min	
Sample Location				suction		Suction	Tot. on Location	2766 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F						178 °F	PHHP = 0		CIRCULATION DATA				n = 0.663	K = 195.972
Depth (ft)				17,632'		17,632'	Bit Depth = 3,700 '		Washout = 2%		Pump Efficiency = 95%			
Mud Weight (ppg)				9.6		9.6	Drill String Disp.	Volume to Bit 51.5 bbl	Strokes To Bit		Time To Bit			
Funnel Vis (sec/qt)		@ 172 °F		45		45		Bottoms Up Vol. 96.3 bbl	BottomsUp Stks		BottomsUp Time			
600 rpm				38		37	22.1 bbl	TotalCirc.Vol. 709.8 bbl	TotalCirc.Stks		Total Circ. Time			
300 rpm				24		23	**DRILLING ASSEMBLY DATA**				**SOLIDS CONTROL**			
200 rpm				19		19	Tubulars	OD (in.)	ID (in.)	Length	Top	Unit	Screens	Hours
100 rpm				13		13	Drill Pipe	4.500	3.826	3,372'	0'	Shaker 1	API 200's	12.0
6 rpm				6		6	Aggitator	4.500	2.812	8'	3,372'	Shaker 2	API 140's	12.0
3 rpm				5		5	Drill Pipe	4.500	3.826	188'	3,380'	Shaker 3	API 200's	12.0
Plastic Viscosity (cp)		@ 150 °F		14		14	Dir. BHA	5.145	2.506	132'	3,568'	Cuttings Dryer	140	12.0
Yield Point (lb/100 ft²)		T0 = 4		10		9	**CASING & HOLE DATA**							
Gel Strength (lb/100 ft²)		10 sec/10 min		6/9		6/9	Casing	OD (in.)	ID (in.)	Depth	Top	Centrifuge		0.5
Gel Strength (lb/100 ft^2)		30 min		12		13	Riser	20				**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)		@ 250 °F		7.0		7.0	Surface	10 3/4		2,717'	0'	Prev. Total on Location		2765.7
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,018'	0'	Transferred In(+)/Out(-)		
Retort Solids Content				11.6%		11.5%	Washout 1					Oil Added (+)		25.6
Corrected Solids (vol%)				8.9%		8.8%	Washout 2					Barite Added (+)		28.4
Retort Oil Content				60.4%		60.5%	Open Hole Size	6.885	17,632'			Other Product Usage (+)		2.2
Retort Water Content				28%		28%	**ANNULAR GEOMETRY & RHEOLOGY**					Water Added (+)		10.0
O/W Ratio				68:32		68:32	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal	Left on Cuttings (-)		-9.9
Whole Mud Chlorides (mg/L)				67,000		68,000						Seepage		-11.4
Water Phase Salinity (ppm)				272,844		275,793						TOOH WET		-45.0
Whole Mud Alkalinity, Pom				2.5		2.3	6.875x4.5	3,372'	0.0	lam	9.60	Est. Total on Location		2765.5
Excess Lime (lb/bbl)				3.3 ppb		3 ppb	6.875x4.5	3,380'	0.0	lam	9.60	Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				428 v		448 v	6.875x4.5	3,568'	0.0	lam	9.60	**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				2.92		2.93	6.875x5.145	3,700'	0.0	lam	9.60	Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				6%		5.9%						0.00	psi	18 18 18
ppb Low Gravity Solids				49 ppb		48 ppb						Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				2.9%		2.9%								
ppb Barite				41 ppb		42 ppb	**BIT DATA**		Manuf./Type		GTD64M	0 lbs	0	
Estimated Total LCM in System		ppb					Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD		Calc. Circ. Pressure
Sample Taken By				E.Sanchez	0	R. Bowlin	6 3/4	14,855 ft	31.0	2,777 ft	89.6	psi		

Remarks/Recommendations:

OBM Skid Vol = 1,143bbls Total
OBM Received = 2,129 bbls

Total OBM On Location = 2,800 bbls

Total OBM In Frac Storage = 1,496 bbls

14# OBM Kill Mud in Frack Storage = 204 bbls

13# WBM KILL MUD in Frac Storage = 139 bbls

Rig Activity:

Drilled from 17,378' to 17,632'. Trouble shoot mud motor. Circulate B/U and began reaming out of hole. Washed and reamed out of the hole to 16,200'MD, began to strip out to 10,050'MD. Pumped 96bbls of 17.0ppg kill mud. Stripped out to the top the mud cap at 7,514'MD, performed a flow check, no flow. Resume POOH to surface and L/D BHA. P/U new MWD, Mud Motor, and bit. TIH to 3,700' at report time. Plan ahead is to cut drill line and circulate 17 ppg kill mud out of hole @ 1,050'.

Eng. 1:	Rob Bowlin	Eng. 2:	Edgar Sanchez	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	228-990-1055	Phone:	956-693-3035	Phone:	936-349-0785	Phone:				

W 1 P 1 Y 1 E 1 C 1 g 1 G 1 H 1 O 1

$7,779.54 **$121,406.98**

INCLUDING 3RD PARTY CHARGES **$10,452.70** **$227,053.62**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/02/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #17

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	46		46			1	$41.36
CACL2 (50)	50# sk	$14.32	280		280			594	$8,506.08
LIME (50)	50# sk	$5.00	225		225			425	$2,125.00
OPTI - G	50# sk	$30.59	160		160			170	$5,200.30
BENTONE 38 (50)	50# sk	$163.94	64		64			29	$4,754.26
BENTONE 910 (50)	50# sk	$59.40						5	$297.00
BENTONE 990 (50)	50# sk	$83.59	81		81			45	$3,761.55
OPTI - MUL	gal	$10.75	385		385			440	$4,730.00
OPTI - WET	gal	$8.34	470		470			355	$2,960.70
NEW PHALT	50# sk	$38.72	115		115			10	$387.20
OIL SORB (25)	25# sk	$4.75	95		95			38	$180.50
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
NEW CARB (M)	50# sk	$5.25	170		133	37	$194.25	37	$194.25
MAGMAFIBER F (25)	25# sk	$28.05	182		173	9	$252.45	16	$448.80
NUT PLUG M (50)	50# sk	$12.04	70		70			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			2	$23.00
BARITE BULK (100)	100# sk	$7.00	800	1208	1600	408	$2,856.00	2761	$19,328.40
OPTI DRILL (OBM)	bbl	$65.00	2766		2766			158	$10,270.00
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	38	$37,620.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	38	$1,140.00
ENGINEERING (MILES)	each	$1.00						2079	$2,079.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00				3	$45.00	23	$345.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98				1208	$2,391.84	4736	$9,378.01
TRUCKING (min)	each	$650.00						5	$3,250.00
PALLETS (ea)	each	$12.00						45	$540.00
SHRINK WRAP (ea)	each	$12.00						43	$516.00
		Daily Sub-Total $7,779.54			**Cumulative Total $121,406.98**			**$121,406.97**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/02/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #17

DAILY USAGE & COST									CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320					
PRO X	25# sk	$70.00	320		320					
PRO SWEEP AID	25# sk	$46.00	255		255				29	$1,334.00
SB SUPERCEAL	25# sk	$80.00	280		278	2	$160.00		2	$160.00
Clements 14# Kill Mud	bbl	$45.36	149		149					
OBM_D 6_16_21	gal	$2.33								
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38							12114	$28,831.32
OBM_D 7_7_21	gal	$2.38							4940	$11,757.20
OBM_D 7_8_21	gal	$2.36								
OBM-D	gal	$2.36								
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33							2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34							7200	$16,848.00
OBM _D 7-27-21	gal	$2.36							7200	$16,992.00
OBM_D 7_28_21	gal	$2.34							7199	$16,845.66
OBM_D	gal	$2.34	6074		5000	1074	$2,513.16		2200	$5,148.00
OBM_D 7_31_21	gal	$2.46							1000	$2,460.00
OBM_D 7_31_21	gal	$2.38	6200		6200					
					Daily Sub-Total $2,673.16				$105,646.64	

Cumulative Total AES & 3rd Party $227,053.61

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
15,415	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,077	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
101	Chemical Additions		10	5	2																	
1,070	Base Fluid Added	51	53	247	51	10																
192	Barite Increase			10	8	29																
3,048	Weighted Mud Added		481	438																		
25	Slurry Added																					
522	Water Added		59	6	10		31															
-	Added for Washout																					
4,958	Total Additions	51	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
649	Formation Loss					65	41															
868	Mud Loss to Cuttings		113	399	24																	
379	Unrecoverable Volume				40	75	24															
172	Centrifuge Losses	51		36	50																	
2,068	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
2,766	Ending System Volume	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
25	Mud Recovered																					

2,949

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 4							WEEK 5							WEEK 6						
	Date	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4														
	Starting Depth	10,030	10,450	12,500	14,500	14,588	16,000	17,378	17,632													
	Ending Depth	10,450	12,500	14,500	14,588	16,000	17,378	17,632														
15,415	Footage Drilled	420	2,050	2,000	88	1,412	1,378	254	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,077	New Hole Vol.	19	91	89	4	62	61	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	460	2,729	2,793	2,690	2,720	2,800	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766
101	Chemical Additions	7	20	16	4	18	17	2														
1,070	Base Fluid Added	109	150	95	50	103	125	26														
192	Barite Increase		18	7	61		31	28														
3,048	Weighted Mud Added	2,129																				
25	Slurry Added	25																				
522	Water Added	35	20	35	107	90	120	10														
-	Added for Washout																					
4,958	Total Additions	2,304	209	153	222	211	293	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
649	Formation Loss		34	107	140	70	180	12														
868	Mud Loss to Cuttings	21	94	92	20	32	64	10														
379	Unrecoverable Volume		15	57	33	9	82	45														
172	Centrifuge Losses	15				20																
2,068	Total Losses	36	144	256	193	131	326	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out																					
2,766	Ending System Volume	2,729	2,793	2,690	2,720	2,800	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766	2,766
25	Mud Recovered	25																				

	Comments:		Comments:	Comments:
	7/27/21	Transferred in 2129 bbls from BOONE D 1-H. Lost 21 bbls to cuttings retention. Lost 15 bbls to centrifuge	8/3/21	8/10/21
2,949	7/28/21	Lost 34 bbls to Seepage. Lost 94 bbls to cuttings retention. 15 bbls to Non-Recoverable Volume	8/4/21	8/11/21
	7/29/21	Lost 107 bbls to Seepage. Lost 92 bbls to cuttings retention. 57 bbls to Non-Recoverable Volume	8/5/21	8/12/21
	7/30/21	Lost 140 bbls to Seepage. Lost 20 bbls to cuttings retention. 33 bbls to Non-Recoverable Volume	8/6/21	8/13/21
	7/31/21	Lost 90 bbls to Seepage. Lost 32 bbls to cuttings retention. 9 bbls to Non-Recoverable Volume	8/7/21	8/14/21
	8/1/21	Lost 180 bbls to Seepage. Lost 64 bbls to cuttings retention. 83 bbls to Evaporation Volume	8/8/21	8/15/21
	8/2/21	Lost 11 bbls to Seepage. Lost 10 bbls to cuttings retention. 45 bbls to POHH Wet	8/9/21	8/16/21

Lost

8/2/2021 **Report 17 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

87.0° **10,539' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**		**17,632 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**TIH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**

MUD PROPERTIES

Time Sample Taken	0:05		14:00
Sample Location	suction		Suction
Flowline Temperature °F			
Depth (ft)	17,632'		17,632'
Mud Weight (ppg)	9.6		9.7
Funnel Vis (sec/qt) @ 172 °F	45		49
600 rpm	38		37
300 rpm	24		23
200 rpm	19		16
100 rpm	13		11
6 rpm	6		5
3 rpm	5		4
Plastic Viscosity (cp) @ 150 °F	14		14
Yield Point (lb/100 ft²) T0 = 4	10		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/9		4/9
Gel Strength (lb/100 ft2) 30 min	12		11
HTHP Filtrate (cm/30 min) @ 250 °F	7.0		8.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	11.6%		11.8%
Corrected Solids (vol%)	8.9%		9.1%
Retort Oil Content	60.4%		60.2%
Retort Water Content	28%		28%
O/W Ratio	68:32		68:32
Whole Mud Chlorides (mg/L)	67,000		67,000
Water Phase Salinity (ppm)	272,844		272,844
Whole Mud Alkalinity, Pom	2.5		1.8
Excess Lime (lb/bbl)	3.3 ppb		2.3 ppb
Electrical Stability (volts)	428 v		400 v
Average Specific Gravity of Solids	2.92		2.99
Percent Low Gravity Solids	6%		5.8%
ppb Low Gravity Solids	49 ppb		48 ppb
Percent Barite	2.9%		3.4%
ppb Barite	41 ppb		48 ppb
Estimated Total LCM in System			
Sample Taken By	E.Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	504 bbl
In Hole	723 bbl
Active	1132 bbl
Storage	1415 bbl
Tot. on Location	2642 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

RISER BOOSTER

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

Mud Wt. = 9.6 PV=14 YP=10 **CIRCULATION DATA** n = 0.663 K = 196.0

Bit Depth = 15,564 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.			
87.6 bbl	Volume to Bit 219.8 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol. 407.9 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 1131.8 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	12,262'	
gg/ Reamer	5.370	2.562	55'	12,262'
Drill Pipe	4.500	3.826	3,115'	12,317'
Dir. BHA	5.145	2.506	132'	15,432'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	
Int. Csg.	7 5/8	6.875	10,018'	
Washout 1				
Washout 2				
Open Hole Size	6.885		17,632'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,018'		lam	9.60
6.885x4.5	12,262'		lam	9.60
6.885x5.37	12,317'		lam	9.60
6.885x4.5	15,432'		lam	9.60
6.885x5.145	15,564'		lam	9.60

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	17,632 ft			#DIV/0!

Motor/MWD | Calc. Circ. Pressure 329 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	12.0
Shaker 2	API 140's	12.0
Shaker 3	API 200's	12.0
Cuttings Dryer	140	12.0
Centrifuge		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2765.5
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	14.0
Left on Cuttings (-)	
Circ Mud Cap	-69.0
Est. Total on Location	2710.5
Est. Losses/Gains (-)/(+)	-68.5

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
		18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18

Afternoon Remarks/Recommendations:

MW @ 9.6-9.7ppg

MWD Temp: ___.

Afternoon Rig Activity:

Continued in the hole with new BHA, stopped at 8,750'MD due to weather. Circulated a portion of the geo pressure cap here, observed 10.6-11.4ppg and diverted 68bbls to the trips for reuse (LOST 34bbls). TIH to 10,050'MD again circulated the cap out observed 10.2-13.0ppg diverting 93.6bbls to the trips for reuse (LOST 35bbls). At the time of the afternoon report TIH at 15,101'MD. Hole not giving proper displacement

08/03/21 **Report #18**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

90.3° **10,621' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**502 ft**	**18,138 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**399 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	635 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**	In Hole	732 bbl	Stroke	12	Stroke	12	Stroke	12
				8/3/21		8/2/21	Active	1367 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Time Sample Taken				0:05		14:00	Storage	1203 bbl	stk/min	76	stk/min	76	stk/min	
Sample Location				suction		Suction	Tot. on Location	2570 bbl	gal/min	199	gal/min	199	gal/min	0
Flowline Temperature °F				188 °F			PHHP = 0		**CIRCULATION DATA**				n = 0.710	K = 133.560
Depth (ft)				18,138'		17,632'	Bit Depth = 18,138 '		Washout = 2%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.7		9.7	Drill String Disp.	Volume to Bit 256.4 bbl	Strokes To Bit	4,105			Time To Bit	27 min
Funnel Vis (sec/qt)	@ 172 °F			45		49		Bottoms Up Vol. 475.8 bbl	BottomsUp Stks	7,618			BottomsUp Time	50 min
600 rpm				36		37	101.6 bbl	TotalCirc.Vol. 1367.3 bbl	TotalCirc.Stks	21,888			Total Circ. Time	144 min
300 rpm				22		23	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				16		16	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				11		11	Drill Pipe	4.500	3.826	12,451'	0'		Shaker 1	API 200's	12.0
6 rpm				5		5	Agg/ Reamer	5.370	2.562	55'	12,451'		Shaker 2	API 140's	12.0
3 rpm				4		4	Drill Pipe	4.500	3.826	5,500'	12,506'		Shaker 3	API 200's	12.0
Plastic Viscosity (cp)	@ 150 °F			14		14	Dir. BHA	5.145	2.506	132'	18,006'		Cuttings Dryer	140	12.0
Yield Point (lb/100 ft²)	T0 = 3			8		9	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)	10 sec/10 min			5/8		4/9	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge		1.0
Gel Strength (lb/100 ft²)	30 min			13		11	Riser	20					**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)	@ 250 °F			8.0		8.0	Surface	10 3/4		2,717'	0'		Prev. Total on Location		2765.5
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,018'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				11%		11.8%	Washout 1						Oil Added (+)		63.9
Corrected Solids (vol%)				8.2%		9.1%	Washout 2						Barite Added (+)		22.3
Retort Oil Content				60%		60.2%	Open Hole Size	6.885	18,138'				Other Product Usage (+)		7.4
Retort Water Content				29%		28%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		45.0
O/W Ratio				67:33		68:32	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-19.6
Whole Mud Chlorides (mg/L)				70,000		67,000							Eva/Cent.		-64.2
Water Phase Salinity (ppm)				274,575		272,844							Seepage Loses		-250.0
Whole Mud Alkalinity, Pom				2.0		1.8	6.875x4.5	10,018'	361.8	turb	10.65		Est. Total on Location		2570.2
Excess Lime (lb/bbl)				2.6 ppb		2.3 ppb	6.885x4.5	12,451'	360.0	turb	10.81		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				403 v		400 v	6.885x5.37	12,506'	526.4	turb	10.83		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				3.18		2.99	6.885x4.5	18,006'	360.0	turb	11.28		Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				4.3%		5.8%	6.885x5.145	18,138'	466.9	turb	11.31		0.42	64 psi	18 18 18
ppb Low Gravity Solids				35 ppb		48 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				3.9%		3.4%									
ppb Barite				56 ppb		48 ppb	**BIT DATA**		Manuf./Type		GTD64M		172 lbs	86	
Estimated Total LCM in System	ppb						Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By			E.Sanchez	0		R. Bowlin	6 3/4	17,632 ft	5.0	506 ft	101.2		psi		2,629 psi

Remarks/Recommendations:

OBM Skid Vol = 1,143bbls Total
OBM Received = 2,129 bbls

Total OBM On Location = 2,800 bbls

Total OBM In Frac Storage = 1,496 bbls

14# OBM Kill Mud in Frack Storage = 204 bbls

13# WBM KILL MUD in Frac Storage = 139 bbls

Rig Activity:

Continue to TIH to 3,500' to 8,750', stop due to weather. Circulated, divert heavy mud to trip tanks. Resume TIH to 17,087', circulate B/U divert pill @ 10,050' and 15,567' same. Wash and ream to bottom 17,632'. Resume drilling to 18,138'. Circulate/conditioned mud to 9.7 ppg with centrifuge/diesel additions. Lost estimated 250 bbl down hole loses while TIH/circulating mud cap due to ECD's. Reconditionining mud properties to program specs with OPTIMUL, LIME, OPTIG, and BENTONE 38/990. Currently Increasing MWT to 9.9 ppg. Average ROP: 101 ft/hr, SPP: 5415 psi, TORQ: 18-22k, GPM: 400 gpm, APL: 430-690 psi, Max Gas: 2,415 units. MWD TEMP: 309 degrees

Eng. 1:	Rob Bowlin	Eng. 2:	Edgar Sanchez	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	228-990-1055	Phone:	956-693-3035	Phone:	936-349-0785	Phone:				

W	P	Y	E	C	g	G	H	O
1	1	1	1	1	1	1	1	1

$21,028.85 **$142,435.83**

INCLUDING 3RD PARTY CHARGES **$27,112.85** **$254,166.47**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/03/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #18

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	46		46			1	$41.36
CACL2 (50)	50# sk	$14.32	280		245	35	$501.20	629	$9,007.28
LIME (50)	50# sk	$5.00	225		195	30	$150.00	455	$2,275.00
OPTI - G	50# sk	$30.59	160		145	15	$458.85	185	$5,659.15
BENTONE 38 (50)	50# sk	$163.94	64		54	10	$1,639.40	39	$6,393.66
BENTONE 910 (50)	50# sk	$59.40						5	$297.00
BENTONE 990 (50)	50# sk	$83.59	81		76	5	$417.95	50	$4,179.50
OPTI - MUL	gal	$10.75	385		330	55	$591.25	495	$5,321.25
OPTI - WET	gal	$8.34	470		440	30	$250.20	385	$3,210.90
NEW PHALT	50# sk	$38.72	115		115			10	$387.20
OIL SORB (25)	25# sk	$4.75	95		95			38	$180.50
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
NEW CARB (M)	50# sk	$5.25	133		133			37	$194.25
MAGMAFIBER F (25)	25# sk	$28.05	173		173			16	$448.80
NUT PLUG M (50)	50# sk	$12.04	70		70			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			2	$23.00
BARITE BULK (100)	100# sk	$7.00	1600		1280	320	$2,240.00	3081	$21,568.40
OPTI DRILL (OBM)	bbl	$65.00	2766		2570	196	$12,740.00	354	$23,010.00
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	40	$39,600.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	40	$1,200.00
ENGINEERING (MILES)	each	$1.00						2079	$2,079.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						23	$345.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						4736	$9,378.01
TRUCKING (min)	each	$650.00						5	$3,250.00
PALLETS (ea)	each	$12.00						45	$540.00
SHRINK WRAP (ea)	each	$12.00						43	$516.00

Daily Sub-Total $21,028.85	Cumulative Total $142,435.83	$142,435.82

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/03/21	**MAGNOLIA OIL & GAS**	**BOONE C-1H**	**285**	**Report #18**

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320				
PRO X	25# sk	$70.00	320		320				
PRO SWEEP AID	25# sk	$46.00	255		255			29	$1,334.00
SB SUPERCEAL	25# sk	$80.00	278		278			2	$160.00
Clements 14# Kill Mud	bbl	$45.36	149		149				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38						4940	$11,757.20
OBM_D 7_8_21	gal	$2.36							
OBM-D	gal	$2.36							
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33						2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34						7200	$16,848.00
OBM _D 7-27-21	gal	$2.36						7200	$16,992.00
OBM_D 7_28_21	gal	$2.34						7199	$16,845.66
OBM_D	gal	$2.34	5000		2400	2600	$6,084.00	4800	$11,232.00
OBM_D 7_31_21	gal	$2.46						1000	$2,460.00
OBM_D 7_31_21	gal	$2.38	6200		6200				
						Daily Sub-Total	$6,084.00		$111,730.64

Cumulative Total AES & 3rd Party $254,166.46

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
15,921	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,099	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
108	Chemical Additions		10	5	2																	
1,134	Base Fluid Added	51	53	247	51	10																
214	Barite Increase			10	8	29																
3,048	Weighted Mud Added		481	438																		
25	Slurry Added																					
567	Water Added		59	6	10		31															
-	Added for Washout																					
5,096	Total Additions	51	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
899	Formation Loss					65	41															
888	Mud Loss to Cuttings		113	399	24																	
439	Unrecoverable Volume				40	75	24															
176	Centrifuge Losses	51		36	50																	
2,402	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
2,570	Ending System Volume	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
25	Mud Recovered																					

2,949

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 4							WEEK 5							WEEK 6						
	Date	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4													
	Starting Depth	10,030	10,450	12,500	14,500	14,588	16,000	17,378	17,632	18,138												
	Ending Depth	10,450	12,500	14,500	14,588	16,000	17,378	17,632	18,138													
15,921	Footage Drilled	420	2,050	2,000	88	1,412	1,378	254	506	-	-	-	-	-	-	-	-	-	-	-	-	-
1,099	New Hole Vol.	19	91	89	4	62	61	11	22	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	460	2,729	2,793	2,690	2,720	2,800	2,766	2,766	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570
108	Chemical Additions	7	20	16	4	18	17	2	7													
1,134	Base Fluid Added	109	150	95	50	103	125	26	64													
214	Barite Increase		18	7	61		31	28	22													
3,048	Weighted Mud Added	2,129																				
25	Slurry Added	25																				
567	Water Added	35	20	35	107	90	120	10	45													
-	Added for Washout																					
5,096	Total Additions	2,304	209	153	222	211	293	66	138	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
899	Formation Loss		34	107	140	70	180	12	250													
888	Mud Loss to Cuttings	21	94	92	20	32	64	10	20													
439	Unrecoverable Volume		15	57	33	9	82	45	60													
176	Centrifuge Losses	15				20			4													
2,402	Total Losses	36	144	256	193	131	326	67	334	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out																					
2,570	Ending System Volume	2,729	2,793	2,690	2,720	2,800	2,766	2,766	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570
25	Mud Recovered	25																				

2,949

Comments:		Comments:		Comments:	
7/27/21	Transferred in 2129 bbls from BOONE D 1-H. Lost 21 bbls to cuttings retention. Lost 15 bbls to centrifuge	8/3/21	Lost 250 bbls to Seepage. Lost 20 bbls to cuttings retention. 64 bbl to Eva/Centrifuge	8/10/21	Lost
7/28/21	Lost 34 bbls to Seepage. Lost 94 bbls to cuttings retention. 15 bbls to Non-Recoverable Volume	8/4/21		8/11/21	Lost
7/29/21	Lost 107 bbls to Seepage. Lost 92 bbls to cuttings retention. 57 bbls to Non-Recoverable Volume	8/5/21		8/12/21	Lost
7/30/21	Lost 140 bbls to Seepage. Lost 20 bbls to cuttings retention. 33 bbls to Non-Recoverable Volume	8/6/21		8/13/21	Lost
7/31/21	Lost 90 bbls to Seepage. Lost 32 bbls to cuttings retention. 9 bbls to Non-Recoverable Volume	8/7/21		8/14/21	Lost
8/1/21	Lost 180 bbls to Seepage. Lost 64 bbls to cuttings retention. 83 bbls to Evaporation Volume	8/8/21		8/15/21	Lost
8/2/21	Lost 11 bbls to Seepage. Lost 10 bbls to cuttings retention. 45 bbls to POHH Wet	8/9/21		8/16/21	Lost

8/3/2021 **Report 18 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

88.6° **10,707' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**964 ft**	**19,102 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**Circulating Clean Up**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**352 gpm**	**4,489 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**

MUD PROPERTIES				
Time Sample Taken		0:05		12:00
Sample Location		suction		suction
Flowline Temperature °F		188 °F		139 °F
Depth (ft)		18,138'		19,102'
Mud Weight (ppg)		9.7		9.5
Funnel Vis (sec/qt)	@ 152 °F	45		52
600 rpm		36		35
300 rpm		22		22
200 rpm		16		15
100 rpm		11		10
6 rpm		5		5
3 rpm		4		4
Plastic Viscosity (cp)	@ 150 °F	14		13
Yield Point (lb/100 ft²)	T0 = 3	8		9
Gel Strength (lb/100 ft²)	10 sec / 10 min	5/8		4/9
Gel Strength (lb/100 ft2)	30 min	13		12
HTHP Filtrate (cm/30 min)	@ 250 °F	8.0		8.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		11%		11%
Corrected Solids (vol%)		8.2%		8.4%
Retort Oil Content		60%		60.5%
Retort Water Content		29%		28.5%
O/W Ratio		67:33		68:32
Whole Mud Chlorides (mg/L)		70,000		66,000
Water Phase Salinity (ppm)		274,575		266,397
Whole Mud Alkalinity, Pom		2.0		1.0
Excess Lime (lb/bbl)		2.6 ppb		1.3 ppb
Electrical Stability (volts)		403 v		398 v
Average Specific Gravity of Solids		3.18		2.90
Percent Low Gravity Solids		4.3%		5.8%
ppb Low Gravity Solids		35 ppb		47 ppb
Percent Barite		3.9%		2.6%
ppb Barite		56 ppb		38 ppb
Estimated Total LCM in System				
Sample Taken By		E.Sanchez		R. Bowlin

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	482 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
In Hole	771 bbl	Stroke	12	Stroke	12	Stroke	12
Active	1253 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Storage	1103 bbl	stk/min	67	stk/min	67	stk/min	
Tot. on Location	2356 bbl	gal/min	176	gal/min	176	gal/min	

Mud Wt. = 9.7 PV=14 YP=8 **CIRCULATION DATA** n = 0.710 K = 133.6

Bit Depth = 19,100 ' Washout = 2% Pump Efficiency = 95%

Drill String Disp.					
106.9 bbl	Volume to Bit	270.1 bbl	Strokes To Bit	4,324	Time To Bit 32 min
	Bottoms Up Vol.	501.2 bbl	BottomsUp Stks	8,024	BottomsUp Time 60 min
	TotalCirc.Vol.	1253.3 bbl	TotalCirc.Stks	20,064	Total Circ. Time 150 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	13,413'	
gg/ Reamer	5.370	2.562	55'	13,413'
Drill Pipe	4.500	3.826	5,500'	13,468'
Dir. BHA	5.145	2.506	132'	18,968'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	
Int. Csg.	7 5/8	6.875	10,018'	
Washout 1				
Washout 2				
Open Hole Size	6.885		19,102'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,018'	318.9	turb	10.46
6.885x4.5	13,413'	317.3	turb	10.65
6.885x5.37	13,468'	464.1	turb	10.67
6.885x4.5	18,968'	317.3	turb	11.02
6.885x5.145	19,100'	411.6	turb	11.04

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	17,632 ft	16.0	1,470 ft	91.9	2,000 psi	4,210 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	12.0
Shaker 2	API 140's	12.0
Shaker 3	API 200's	12.0
Cuttings Dryer	140	12.0
Centrifuge		1.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2570.3
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	79.6
Left on Cuttings (-)	-37.7
Eva/Cent.	-25.7
Patrial Losses	-230.0
Est. Total on Location	2356.4
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.28	50 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
134 lbs	76			

Afternoon Remarks/Recommendations:

MW @ 9.5ppg

MWD Temp: 307 Degrees

Afternoon Rig Activity:

Continued drilling ahead from 18,138'MD to TD at 19,102'MD. Decreased active density to 9.5ppg due to losses at +/- 30-50BPH. Made background LCM additions hourly at 2-5sx each of Sweep Aid, Super Ceal, NewCarb M and MagmaFiber F. Pumped (2) 30bbls for the clean-up cycles. At the time of the afternoon report circulating and working the string, preparing to start reaming out.

08/04/21 **Report #19**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

14.5° **9,816' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**964 ft**	**19,102 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**POOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**299 gpm**	**4,489 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	584 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**	In Hole	821 bbl	Stroke	12	Stroke	12	Stroke	12
				8/4/21		8/3/21	Active	987 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Time Sample Taken				0:05		12:00	Storage	1017 bbl	stk/min	57	stk/min	57	stk/min	
Sample Location				suction		suction	Tot. on Location	2422 bbl	gal/min	150	gal/min	150	gal/min	0
Flowline Temperature °F				145 °F		139 °F	PHHP = 783		**CIRCULATION DATA**				n = 0.710	K = 133.560
Depth (ft)				19,102'		19,102'	Bit Depth = 10,025 '		Washout = 2%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.6		9.5	Drill String Disp.	Volume to Bit 141.1 bbl	Strokes To Bit	2,258			Time To Bit	20 min
Funnel Vis (sec/qt)	@ 152 °F			48		52		Bottoms Up Vol. 261.8 bbl	BottomsUp Stks	4,192			BottomsUp Time	37 min
600 rpm				36		35	57.4 bbl	TotalCirc.Vol. 986.9 bbl	TotalCirc.Stks	15,799			Total Circ. Time	139 min
300 rpm				22		22	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				16		15	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				11		10	Drill Pipe	4.500	3.826	4,338'	0'		Shaker 1	API 200's	12.0
6 rpm				5		5	Agg/ Reamer	5.370	2.562	55'	4,338'		Shaker 2	API 140's	12.0
3 rpm				4		4	Drill Pipe	4.500	3.826	5,500'	4,393'		Shaker 3	API 200's	12.0
Plastic Viscosity (cp)	@ 150 °F			14		13	Dir. BHA	5.145	2.506	132'	9,893'		Cuttings Dryer	140	12.0
Yield Point (lb/100 ft²)	T0 = 3			8		9	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)	10 sec/10 min			5/8		4/9	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge		1.0
Gel Strength (lb/100 ft²)	30 min			13		12	Riser	20					**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)	@ 250 °F			8.0		8.0	Surface	10 3/4		2,717'	0'		Prev. Total on Location		2570.3
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,018'	0'		Transferred In(+)/Out(-)		416.0
Retort Solids Content				11.2%		11%	Washout 1						Oil Added (+)		58.5
Corrected Solids (vol%)				8.6%		8.4%	Washout 2						Barite Added (+)		23.0
Retort Oil Content				60.8%		60.5%	Open Hole Size	6.885	19,102'				Other Product Usage (+)		7.7
Retort Water Content				28%		28.5%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		79.6
O/W Ratio				68:32		68:32	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-37.7
Whole Mud Chlorides (mg/L)				65,000		66,000							Eva/Cent.		-70.0
Water Phase Salinity (ppm)				266,873		266,397							Patrial Losses		-625.4
Whole Mud Alkalinity, Pom				2.0		1.0	6.875x4.5	4,338'	271.3	turb	10.17		Est. Total on Location		2421.9
Excess Lime (lb/bbl)				2.6 ppb		1.3 ppb	6.875x5.37	4,393'	397.8	turb	10.19		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				392 v		398 v	6.875x4.5	9,893'	271.3	turb	10.18		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				3.02		2.90	6.875x5.145	10,018'	352.5	turb	10.19		Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				5.3%		5.8%	6.885x5.145	10,025'	350.2	turb	10.19		0.17	36 psi	18 18 18
ppb Low Gravity Solids				44 ppb		47 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				3.3%		2.6%									
ppb Barite				47 ppb		38 ppb	**BIT DATA**		Manuf./Type		GTD64M		96 lbs	64	
Estimated Total LCM in System	ppb						Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By			E.Sanchez	0		R. Bowlin	6 3/4	17,632 ft	16.0	1,470 ft	91.9		2,000 psi		2,922 psi

Remarks/Recommendations:

OBM Skid Vol = 1,143bbls Total
OBM Received = 2,545 bbls

Total OBM On Location = 2,422 bbls

Total OBM In Frac Storage = 1,017 bbls

15# OBM Kill Mud in Frack Storage = 126 bbls

13# WBM KILL MUD in Frac Storage = 139 bbls

Rig Activity:

Drilled from 18,138' to T.D. 19,102'. At 18,272' lost estimated 200 bbl @ 95 bbl/hr. Cut back mud weight from 9.9 ppg to 9.6 ppg and began adding LCM to system at 5sxs per/hr Sweep Aid, Super Ceal, NewCarb M and MagmaFiber F. Continue to drill ahead with partial loses 30-50 bbl/hr. Cut back mud weight to 9.5 ppg by T.D. Performed clean-up cycle. Ream out of hole from 19,102' to 17,432'. POOH from 17,432' to 10,025' and circulated B/U. Plan ahead is to POOH and spot 55 bbl of 17 ppg mud cap @ 9,798'. Estimated down hole loses in last 24 hrs 625 bbl OBM.

Eng. 1:	Rob Bowlin	Eng. 2:	Edgar Sanchez	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	228-990-1055	Phone:	956-693-3035	Phone:	936-349-0785	Phone:				

W	P	Y	E	C	g	G	H	O
1	1	1	0	1	1	1	1	1

$46,929.48 **$189,365.31**

INCLUDING 3RD PARTY CHARGES **$55,235.48** **$309,401.95**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/04/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #19

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	46		46			1	$41.36
CACL2 (50)	50# sk	$14.32	245		236	9	$128.88	638	$9,136.16
LIME (50)	50# sk	$5.00	195		125	70	$350.00	525	$2,625.00
OPTI - G	50# sk	$30.59	145		145			185	$5,659.15
BENTONE 38 (50)	50# sk	$163.94	54		40	14	$2,295.16	53	$8,688.82
BENTONE 910 (50)	50# sk	$59.40						5	$297.00
BENTONE 990 (50)	50# sk	$83.59	76		65	11	$919.49	61	$5,098.99
OPTI - MUL	gal	$10.75	330		275	55	$591.25	550	$5,912.50
OPTI - WET	gal	$8.34	440		440			385	$3,210.90
NEW PHALT	50# sk	$38.72	115		115			10	$387.20
OIL SORB (25)	25# sk	$4.75	95		92	3	$14.25	41	$194.75
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
NEW CARB (M)	50# sk	$5.25	133		133			37	$194.25
MAGMAFIBER F (25)	25# sk	$28.05	173		144	29	$813.45	45	$1,262.25
NUT PLUG M (50)	50# sk	$12.04	70		70			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			2	$23.00
BARITE BULK (100)	100# sk	$7.00	1280	400	1350	330	$2,310.00	3411	$23,878.40
OPTI DRILL (OBM)	bbl	$65.00	2570	416	2422	564	$36,660.00	918	$59,670.00
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	42	$41,580.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	42	$1,260.00
ENGINEERING (MILES)	each	$1.00						2079	$2,079.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00				1	$15.00	24	$360.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98				400	$792.00	5136	$10,170.01
TRUCKING (min)	each	$650.00						5	$3,250.00
PALLETS (ea)	each	$12.00						45	$540.00
SHRINK WRAP (ea)	each	$12.00						43	$516.00

Daily Sub-Total $46,929.48	Cumulative Total $189,365.31	$189,365.30

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/04/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #19

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320				
PRO X	25# sk	$70.00	320		320				
PRO SWEEP AID	25# sk	$46.00	255		240	15	$690.00	44	$2,024.00
SB SUPERCEAL	25# sk	$80.00	278		253	25	$2,000.00	27	$2,160.00
Clements 14# Kill Mud	bbl	$45.36	149		149				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38						4940	$11,757.20
OBM_D 7_8_21	gal	$2.36							
OBM-D	gal	$2.36							
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33						2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34						7200	$16,848.00
OBM _D 7-27-21	gal	$2.36						7200	$16,992.00
OBM_D 7_28_21	gal	$2.34						7199	$16,845.66
OBM_D	gal	$2.34	2400			2400	$5,616.00	7200	$16,848.00
OBM_D 7_31_21	gal	$2.46						1000	$2,460.00
OBM_D 7_31_21	gal	$2.38	6200		6200				
OBM_D 8_3_21	gal	$2.32		7200	7200				
					Daily Sub-Total $8,306.00			$120,036.64	

Cumulative Total AES & 3rd Party $309,401.94

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
16,885	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,142	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
116	Chemical Additions		10	5	2																	
1,193	Base Fluid Added	51	53	247	51	10																
237	Barite Increase			10	8	29																
3,464	Weighted Mud Added		481	438																		
25	Slurry Added																					
647	Water Added		59	6	10		31															
-	Added for Washout																					
5,682	Total Additions	51	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
1,524	Formation Loss					65	41															
926	Mud Loss to Cuttings		113	399	24																	
504	Unrecoverable Volume				40	75	24															
182	Centrifuge Losses	51		36	50																	
3,136	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
2,422	Ending System Volume	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
25	Mud Recovered																					

3,365

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 4							WEEK 5							WEEK 6						
	Date	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4												
	Starting Depth	10,030	10,450	12,500	14,500	14,588	16,000	17,378	17,632	18,138	19,102											
	Ending Depth	10,450	12,500	14,500	14,588	16,000	17,378	17,632	18,138	19,102												
16,885	Footage Drilled	420	2,050	2,000	88	1,412	1,378	254	506	964	-	-	-	-	-	-	-	-	-	-	-	-
1,142	New Hole Vol.	19	91	89	4	62	61	11	22	43	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	460	2,729	2,793	2,690	2,720	2,800	2,766	2,766	2,570	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422
116	Chemical Additions	7	20	16	4	18	17	2	7	8												
1,193	Base Fluid Added	109	150	95	50	103	125	26	64	59												
237	Barite Increase		18	7	61		31	28	22	23												
3,464	Weighted Mud Added	2,129								416												
25	Slurry Added	25																				
647	Water Added	35	20	35	107	90	120	10	45	80												
-	Added for Washout																					
5,682	Total Additions	2,304	209	153	222	211	293	66	138	586	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
1,524	Formation Loss		34	107	140	70	180	12	250	625												
926	Mud Loss to Cuttings	21	94	92	20	32	64	10	20	38												
504	Unrecoverable Volume		15	57	33	9	82	45	60	65												
182	Centrifuge Losses	15				20			4	6												
3,136	Total Losses	36	144	256	193	131	326	67	334	734	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out																					
2,422	Ending System Volume	2,729	2,793	2,690	2,720	2,800	2,766	2,766	2,570	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422
25	Mud Recovered	25																				

3,365

Comments:

Date	Comment
7/27/21	Transferred in 2129 bbls from BOONE D 1-H. Lost 21 bbls to cuttings retention. Lost 15 bbls to centrifuge
7/28/21	Lost 34 bbls to Seepage. Lost 94 bbls to cuttings retention. 15 bbls to Non-Recoverable Volume Lost
7/29/21	Lost 107 bbls to Seepage. Lost 92 bbls to cuttings retention. 57 bbls to Non-Recoverable Volume Lost
7/30/21	Lost 140 bbls to Seepage. Lost 20 bbls to cuttings retention. 33 bbls to Non-Recoverable Volume Lost
7/31/21	Lost 90 bbls to Seepage. Lost 32 bbls to cuttings retention. 9 bbls to Non-Recoverable Volume Lost
8/1/21	Lost 180 bbls to Seepage. Lost 64 bbls to cuttings retention. 83 bbls to Evaporation Volume Lost
8/2/21	Lost 11 bbls to Seepage. Lost 10 bbls to cuttings retention. 45 bbls to POHH Wet Lost

Comments:

Date	Comment
8/3/21	Lost 250 bbls to Seepage. Lost 20 bbls to cuttings retention. 64 bbl to Eva/Centrifuge Lost
8/4/21	Received 416 bbl of OBM from Newpartk Lost 625 bbls to Partial loses. Lost 38 bbls to cuttings retention. 70 bbl to Eva/Centrifuge Lost
8/5/21	
8/6/21	
8/7/21	
8/8/21	
8/9/21	

Comments:

Date	Comment
8/10/21	
8/11/21	
8/12/21	
8/13/21	
8/14/21	
8/15/21	
8/16/21	

8/4/2021 **Report 19 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

6.0° **1,621' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**		**19,102 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**Runing Casing**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**

MUD PROPERTIES

Time Sample Taken	0:05		13:00
Sample Location	suction		suction
Flowline Temperature °F	145 °F		
Depth (ft)	19,102'		19,102'
Mud Weight (ppg)	9.6		9.6
Funnel Vis (sec/qt) @ 125 °F	48		50
600 rpm	36		35
300 rpm	22		22
200 rpm	16		15
100 rpm	11		11
6 rpm	5		5
3 rpm	4		4
Plastic Viscosity (cp) @ 150 °F	14		13
Yield Point (lb/100 ft²) T0 = 3	8		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/8		5/10
Gel Strength (lb/100 ft2) 30 min	13		12
HTHP Filtrate (cm/30 min) @ 250 °F	8.0		8.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	11.2%		10.9%
Corrected Solids (vol%)	8.6%		8.3%
Retort Oil Content	60.8%		60.6%
Retort Water Content	28%		28.5%
O/W Ratio	68:32		68:32
Whole Mud Chlorides (mg/L)	65,000		66,000
Water Phase Salinity (ppm)	266,873		266,397
Whole Mud Alkalinity, Pom	2.0		1.8
Excess Lime (lb/bbl)	2.6 ppb		2.3 ppb
Electrical Stability (volts)	392 v		403 v
Average Specific Gravity of Solids	3.02		3.07
Percent Low Gravity Solids	5.3%		4.9%
ppb Low Gravity Solids	44 ppb		40 ppb
Percent Barite	3.3%		3.4%
ppb Barite	47 ppb		49 ppb
Estimated Total LCM in System			
Sample Taken By	E.Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	587 bbl
In Hole	868 bbl
Active	651 bbl
Storage	873 bbl
Tot. on Location	2328 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

RISER BOOSTER

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	

Mud Wt. = 9.6 PV=14 YP=8 **CIRCULATION DATA** n = 0.710 K = 133.6

Bit Depth = 1,623 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	28.8 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	35.1 bbl	BottomsUp Stks	BottomsUp Time
10.6 bbl	TotalCirc.Vol.	650.9 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	5.000	4.276	1,623'	
Casing				1,623'
				1,623'
				1,623'
				1,623'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	
Int. Csg.	7 5/8	6.875	10,018'	
Prod.	5 1/2			
Prod.	5			
Open Hole Size		6.885	19,102'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x5	1,623'		lam	9.60

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	17,632 ft	16.0	1,470 ft	91.9

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	12.0
Shaker 2	API 140's	12.0
Shaker 3	API 200's	12.0
Cuttings Dryer	140	12.0
Centrifuge		2.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2421.9
Transferred In(+)/Out(-)	352.0
Oil Added (+)	30.0
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	10.0
Left on Cuttings (-)	
Eva/Cent.	
Lost Returns (-)	-486.2
Est. Total on Location	2327.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
		18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18

Motor/MWD	Calc. Circ. Pressure
2,000 psi	2,035 psi

Afternoon Remarks/Recommendations:

MW @ 9.0ppg

Rec. 352bbls @ 9.2ppg. 1,000bbls @ 9.2ppg on order

Afternoon Rig Activity:

Spotted 55.4bbls of 17.0ppg as a geo pressure cap at 9,800'MD. Finished TOOH, LD BHA, RU Express casing crew. MU the shoe track and began to run in the hole on 5" casing to 1,623'MD. Reduced MW while circulating at a reduced rate 78GPM, cutting MW back to 9.0ppg with 9.2ppg storage volume, centrifuge and diesel/ drill H2O additions. As of 17:00hrs lost 482.2bbls down hole. At the time of the pm report resuming casing run from 1,623'MD.

08/05/21 **Report #20**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

14.5° **6,753' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**0 ft**	**19,102 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**Runing Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	661 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**	In Hole	843 bbl	Stroke	12	Stroke	12	Stroke	12
				8/5/21		8/4/21	Active	934 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Time Sample Taken				0:05		13:00	Storage	1102 bbl	stk/min		stk/min		stk/min	
Sample Location				suction		suction	Tot. on Location	2606 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.678	K = 148.626
Depth (ft)				19,102'		19,102'	Bit Depth = 6,918 '		Washout = 2%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.1		9.6	Drill String Disp.	Volume to Bit 122.9 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)	@ 125 °F			48		50		Bottoms Up Vol. 149.6 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				32		35	45.1 bbl	TotalCirc.Vol. 933.5 bbl	TotalCirc.Stks				Total Circ. Time	
300 rpm				20		22	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				15		15	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				10		11	Casing	5.000	4.276	6,918'	0'		Shaker 1	API 200's	12.0
6 rpm				5		5	Casing				6,918'		Shaker 2	API 140's	12.0
3 rpm				4		4					6,918'		Shaker 3	API 200's	12.0
Plastic Viscosity (cp)	@ 150 °F			12		13					6,918'		Cuttings Dryer	140	12.0
Yield Point (lb/100 ft²)	T0 = 3			8		9	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)	10 sec/10 min			5/8		5/10	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge		2.0
Gel Strength (lb/100 ft^2)	30 min			12		12	Riser	20					**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)	@ 250 °F			8.0		8.0	Surface	10 3/4		2,717'	0'		Prev. Total on Location		2421.9
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,018'	0'		Transferred In(+)/Out(-)		769.0
Retort Solids Content				9.5%		10.9%	Prod.	5 1/2	4.670	9,506'			Oil Added (+)		30.0
Corrected Solids (vol%)				6.8%		8.3%	Prod.	5	4.276	9,596'			Barite Added (+)		5.6
Retort Oil Content				62.5%		60.6%	Open Hole Size		6.885	19,102'			Other Product Usage (+)		0.0
Retort Water Content				28%		28.5%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		10.0
O/W Ratio				69:31		68:32	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		0.0
Whole Mud Chlorides (mg/L)				66,000		66,000							Eva/Cent.		
Water Phase Salinity (ppm)				269,870		266,397							Lost Returns (-)		-630.1
Whole Mud Alkalinity, Pom				2.0		1.8	6.875x5	6,918'	0.0	lam	9.10		Est. Total on Location		2606.3
Excess Lime (lb/bbl)				2.6 ppb		2.3 ppb							Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				401 v		403 v							**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				2.68		3.07							Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				5.6%		4.9%							0.00	psi	18 18 18
ppb Low Gravity Solids				46 ppb		40 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				1.3%		3.4%									
ppb Barite				18 ppb		49 ppb	**BIT DATA**		Manuf./Type		GTD64M		0 lbs	0	
Estimated Total LCM in System	ppb						Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By			E.Sanchez	0		R. Bowlin	6 3/4	17,632 ft	16.0	1,470 ft	91.9		2,000 psi		

Remarks/Recommendations:

OBM Skid Vol = 1,143bbls Total
OBM Received = 3,314 bbls

Total OBM On Location = 2,606 bbls

Total OBM In Frac Storage = 1,102 bbls

15# OBM Kill Mud in Frack Storage = 135 bbls

13# WBM KILL MUD in Frac Storage = 139 bbls

Rig Activity:

POOH to 9,800' and spot 55 bbl of 17 ppg mud cap. Resume POOH to surface with seepage loses. L/D BHA and clean rig floor. R/U and held S/M with casing crew and began running 5" (18#) production casing to 6,918' at report time. Cut back MWT from 9.6 ppg to 9.0 ppg due to hole loses. Plan ahead is to circulate mud cap out of hole. Continue running casing with seepage/partial loses. Estimated hole loses in last 24 hrs 630 bbl. Ordered and continue to receive OBM in anticipation of hole loses while circulating/cementing.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:	Daily Total	Cumulative Cost
Rob Bowlin	Edgar Sanchez	MIDLAND	WH #2			
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 936-349-0785	Phone:		**$40,625.00**	**$229,990.31**

W 1 P 1 Y 1 E 1 C 1 g 1 G 1 H 1 O 1

INCLUDING 3RD PARTY CHARGES	**$43,623.80**	**$353,025.75**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/05/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #20

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	46		46			1	$41.36
CACL2 (50)	50# sk	$14.32	236		236			638	$9,136.16
LIME (50)	50# sk	$5.00	125		125			525	$2,625.00
OPTI - G	50# sk	$30.59	145		145			185	$5,659.15
BENTONE 38 (50)	50# sk	$163.94	40		40			53	$8,688.82
BENTONE 910 (50)	50# sk	$59.40						5	$297.00
BENTONE 990 (50)	50# sk	$83.59	65		65			61	$5,098.99
OPTI - MUL	gal	$10.75	275		275			550	$5,912.50
OPTI - WET	gal	$8.34	440		440			385	$3,210.90
NEW PHALT	50# sk	$38.72	115		115			10	$387.20
OIL SORB (25)	25# sk	$4.75	92		92			41	$194.75
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
NEW CARB (M)	50# sk	$5.25	133		133			37	$194.25
MAGMAFIBER F (25)	25# sk	$28.05	144		144			45	$1,262.25
NUT PLUG M (50)	50# sk	$12.04	70		70			5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			2	$23.00
BARITE BULK (100)	100# sk	$7.00	1350		1270	80	$560.00	3491	$24,438.40
OPTI DRILL (OBM)	bbl	$65.00	2422	769	2606	585	$38,025.00	1503	$97,695.00
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	44	$43,560.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	44	$1,320.00
ENGINEERING (MILES)	each	$1.00						2079	$2,079.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						24	$360.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						5136	$10,170.01
TRUCKING (min)	each	$650.00						5	$3,250.00
PALLETS (ea)	each	$12.00						45	$540.00
SHRINK WRAP (ea)	each	$12.00						43	$516.00

Daily Sub-Total $40,625.00	Cumulative Total $229,990.31	$229,990.30

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/05/21	**MAGNOLIA OIL & GAS**	**BOONE C-1H**	**285**	**Report #20**

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320		320				
PRO X	25# sk	$70.00	320		320				
PRO SWEEP AID	25# sk	$46.00	240		240			44	$2,024.00
SB SUPERCEAL	25# sk	$80.00	253		253			27	$2,160.00
Clements 14# Kill Mud	bbl	$45.36	149		149				
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38						4940	$11,757.20
OBM_D 7_8_21	gal	$2.36							
OBM-D	gal	$2.36							
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33						2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34						7200	$16,848.00
OBM _D 7-27-21	gal	$2.36						7200	$16,992.00
OBM_D 7_28_21	gal	$2.34						7199	$16,845.66
OBM_D	gal	$2.34						7200	$16,848.00
OBM_D 7_31_21	gal	$2.46						1000	$2,460.00
OBM_D 7_31_21	gal	$2.38	6200		4940	1260	$2,998.80	1260	$2,998.80
OBM_D 8_3_21	gal	$2.32	7200		7200				

Daily Sub-Total $2,998.80

$123,035.44

Cumulative Total AES & 3rd Party $353,025.74

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
16,885	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,142	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
116	Chemical Additions		10	5	2																	
1,223	Base Fluid Added	51	53	247	51	10																
242	Barite Increase			10	8	29																
4,233	Weighted Mud Added		481	438																		
25	Slurry Added																					
657	Water Added		59	6	10		31															
-	Added for Washout																					
6,496	Total Additions	51	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
2,154	Formation Loss					65	41															
926	Mud Loss to Cuttings		113	399	24																	
504	Unrecoverable Volume				40	75	24															
182	Centrifuge Losses	51		36	50																	
3,766	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
2,606	Ending System Volume	2,238	2,728	2,999	2,956	2,856	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
25	Mud Recovered																					

	Comments:	Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

4,134

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

		WEEK 4							WEEK 5							WEEK 6						
	Date	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4											
Grand Totals	Starting Depth	10,030	10,450	12,500	14,500	14,588	16,000	17,378	17,632	18,138	19,102	19,102										
	Ending Depth	10,450	12,500	14,500	14,588	16,000	17,378	17,632	18,138	19,102	19,102											
16,885	Footage Drilled	420	2,050	2,000	88	1,412	1,378	254	506	964	-	-	-	-	-	-	-	-	-	-	-	-
1,142	New Hole Vol.	19	91	89	4	62	61	11	22	43	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	460	2,729	2,793	2,690	2,720	2,800	2,766	2,766	2,570	2,422	2,606	2,606	2,606	2,606	2,606	2,606	2,606	2,606	2,606	2,606	2,606
116	Chemical Additions	7	20	16	4	18	17	2	7	8												
1,223	Base Fluid Added	109	150	95	50	103	125	26	64	59	30											
242	Barite Increase		18	7	61		31	28	22	23	5											
4,233	Weighted Mud Added	2,129								416	769											
25	Slurry Added	25																				
657	Water Added	35	20	35	107	90	120	10	45	80	10											
-	Added for Washout																					
6,496	Total Additions	2,304	209	153	222	211	293	66	138	586	814	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
2,154	Formation Loss		34	107	140	70	180	12	250	625	630											
926	Mud Loss to Cuttings	21	94	92	20	32	64	10	20	38												
504	Unrecoverable Volume		15	57	33	9	82	45	60	65												
182	Centrifuge Losses	15				20			4	6												
3,766	Total Losses	36	144	256	193	131	326	67	334	734	630	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out																					
2,606	Ending System Volume	2,729	2,793	2,690	2,720	2,800	2,766	2,766	2,570	2,422	2,606	2,606	2,606	2,606	2,606	2,606	2,606	2,606	2,606	2,606	2,606	2,606
25	Mud Recovered	25																				

	Comments:		Comments:		Comments:	
4,134	7/27/21	Transferred in 2129 bbls from BOONE D 1-H. Lost 21 bbls to cuttings retention. Lost 15 bbls to centrifuge	8/3/21	Lost 250 bbls to Seepage. Lost 20 bbls to cuttings retention. 64 bbl to Eva/Centrifuge	8/10/21	Lost
	7/28/21	Lost 34 bbls to Seepage. Lost 94 bbls to cuttings retention. 15 bbls to Non-Recoverable Volume	8/4/21	Received 416 bbl of OBM from Newpartk Lost 625 bbls to Partial loses. Lost 38 bbls to cuttings retention. 70 bbl to Eva/Centrifuge	8/11/21	Lost
	7/29/21	Lost 107 bbls to Seepage. Lost 92 bbls to cuttings retention. 57 bbls to Non-Recoverable Volume	8/5/21	Rec 769 bbls @ 9.2ppg from NEWPARK Lost 630 bbl Hole loses while POOH/Running Casing	8/12/21	
	7/30/21	Lost 140 bbls to Seepage. Lost 20 bbls to cuttings retention. 33 bbls to Non-Recoverable Volume	8/6/21		8/13/21	
	7/31/21	Lost 90 bbls to Seepage. Lost 32 bbls to cuttings retention. 9 bbls to Non-Recoverable Volume	8/7/21		8/14/21	
	8/1/21	Lost 180 bbls to Seepage. Lost 64 bbls to cuttings retention. 83 bbls to Evaporation Volume	8/8/21		8/15/21	
	8/2/21	Lost 11 bbls to Seepage. Lost 10 bbls to cuttings retention. 45 bbls to POHH Wet	8/9/21		8/16/21	

8/5/2021 **Report 20 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

87.8° **10,535' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**		**19,102 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		**Run Prod Casing**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**		

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**

MUD PROPERTIES				
Time Sample Taken		0:05		12:30
Sample Location		suction		suction
Flowline Temperature °F				
Depth (ft)		19,102'		19,102'
Mud Weight (ppg)		9.1		9.0
Funnel Vis (sec/qt)	@ 125 °F	48		45
600 rpm		32		30
300 rpm		20		19
200 rpm		15		13
100 rpm		10		9
6 rpm		5		5
3 rpm		4		4
Plastic Viscosity (cp)	@ 150 °F	12		11
Yield Point (lb/100 ft²)	T0 = 3	8		8
Gel Strength (lb/100 ft²)	10 sec / 10 min	5/8		5/8
Gel Strength (lb/100 ft2)	30 min	12		10
HTHP Filtrate (cm/30 min)	@ 250 °F	8.0		8.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		9.5%		9%
Corrected Solids (vol%)		6.8%		6.4%
Retort Oil Content		62.5%		63%
Retort Water Content		28%		28%
O/W Ratio		69:31		69:31
Whole Mud Chlorides (mg/L)		66,000		66,000
Water Phase Salinity (ppm)		269,870		269,870
Whole Mud Alkalinity, Pom		2.0		1.6
Excess Lime (lb/bbl)		2.6 ppb		2.1 ppb
Electrical Stability (volts)		401 v		391 v
Average Specific Gravity of Solids		2.68		2.62
Percent Low Gravity Solids		5.6%		5.4%
ppb Low Gravity Solids		46 ppb		44 ppb
Percent Barite		1.3%		1%
ppb Barite		18 ppb		14 ppb
Estimated Total LCM in System				
Sample Taken By		E.Sanchez		R. Bowlin

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	523 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
In Hole	767 bbl	Stroke	12	Stroke	12	Stroke	12
Active	1124 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Storage	1177 bbl	stk/min		stk/min		stk/min	
Tot. on Location	2467 bbl	gal/min		gal/min		gal/min	

Mud Wt. = 9.1 PV=12 YP=8 **CIRCULATION DATA** n = 0.678 K = 148.6

Bit Depth = 15,495 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	295.4 bbl	Strokes To Bit	Time To Bit
111.0 bbl	Bottoms Up Vol.	305.8 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol.	1124.2 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	5.500	4.670	5,899'	
Casing	5.000	4.276	9,596'	5,899'
				15,495'
				15,495'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	
Int. Csg.	7 5/8	6.875	10,018'	
Prod.				
Prod.				
Open Hole Size	6.885		19,102'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x5.5	5,899'		lam	9.10
6.875x5	10,018'		lam	9.10
6.885x5	15,495'		lam	9.10

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	17,632 ft	16.0	1,470 ft	91.9	2,000 psi	2,376 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	12.0
Shaker 2	API 140's	12.0
Shaker 3	API 200's	12.0
Cuttings Dryer	140	12.0
Centrifuge		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2606.2
Transferred In(+)/Out(-)	343.0
Oil Added (+)	30.0
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	12.0
Left on Cuttings (-)	
Eva/Cent.	-23.8
CIRC MC/ CASING RUN	-500.0
Est. Total on Location	2467.4
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
		18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18

Afternoon Remarks/Recommendations:

MW @ 9.0ppg

Rec. 343bbls @ 9.2ppg.

Down hole losses =500bbls since am report.

Afternoon Rig Activity:

Continued running in the hole from 6,918MD on 5" production casing, swapped over to 5.5" production casing at 9,596'MD. At the time of the afternoon report running production casing at 15,549'MD with 20-50% iron displacement. Decreased active density to 9.0ppg circulated BU at 11,229'MD diverted 97bbls to the trips at 10-11.2ppg. Lost 83bbls during the same. Stripped in the hole to 15,000'MD circulated BU, diverted 131bbls to the trips at 10-11.4ppg. Lost 124bbls here.

08/06/21 **Report #21**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

88.6° **10,708' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**	**0 ft**	**19,102 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**	**0 ft/hr**	**R/D and Skid**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jesse Collinson / Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	571 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**	In Hole	0 bbl	Stroke	12	Stroke	12	Stroke	12
				8/6/21		8/5/21	Active	134 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Time Sample Taken				0:05		12:30	Storage	1461 bbl	stk/min		stk/min		stk/min	
Sample Location				suction		suction	Tot. on Location	2032 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		CIRCULATION DATA				n = 0.678	K = 148.626
Depth (ft)				19,102'		19,102'	Bit Depth = 19,102 '		Washout = 2%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.1		9.0	Drill String Disp.	Volume to Bit 75.0 bbl	Strokes To Bit		Time To Bit			
Funnel Vis (sec/qt)	@ 125 °F			48		45		Bottoms Up Vol. -512.4 bbl	BottomsUp Stks		BottomsUp Time			
600 rpm				32		30	437.4 bbl	TotalCirc.Vol. 133.6 bbl	TotalCirc.Stks		Total Circ. Time			
300 rpm				20		19	DRILLING ASSEMBLY DATA				SOLIDS CONTROL			
200 rpm				15		13	Tubulars	OD (in.) ID (in.) Length Top			Unit	Screens	Hours	
100 rpm				10		9	Casing	5.500 2.850 9,506' 0'			Shaker 1	API 200's	12.0	
6 rpm				5		5	Casing	5.000 0.000 9,596' 9,506'			Shaker 2	API 140's	12.0	
3 rpm				4		4		19,102'			Shaker 3	API 200's	12.0	
Plastic Viscosity (cp)	@ 150 °F			12		11		19,102'			Cuttings Dryer	140	12.0	
Yield Point (lb/100 ft²)	T0 = 3			8		8	CASING & HOLE DATA							
Gel Strength (lb/100 ft²)	10 sec/10 min			5/8		5/8	Casing	OD (in.) ID (in.) Depth Top			Centrifuge		0.0	
Gel Strength (lb/100 ft²)	30 min			12		10	Riser	20			VOLUME ACCOUNTING (bbls)			
HTHP Filtrate (cm/30 min)	@ 250 °F			8.0		8.0	Surface	10 3/4 2,717' 0'			Prev. Total on Location		2606.2	
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8 10,018' 0'			Transferred In(+)/Out(-)		371.0	
Retort Solids Content				9.5%		9%	Prod.	5 1/2 9,506' 0'			Oil Added (+)		117.6	
Corrected Solids (vol%)				6.8%		6.4%	Prod.	5 9,596' 9,506'			Barite Added (+)		0.0	
Retort Oil Content				62.5%		63%	Open Hole Size	6.885 19,102'			Other Product Usage (+)		0.0	
Retort Water Content				28%		28%	ANNULAR GEOMETRY & RHEOLOGY				Water Added (+)		12.0	
O/W Ratio				69:31		69:31	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal	Left on Cuttings (-)		0.0
Whole Mud Chlorides (mg/L)				66,000		66,000						Eva/Cent.		-23.8
Water Phase Salinity (ppm)				269,870		269,870						CIRC MC/ CASING RUN		-1050.6
Whole Mud Alkalinity, Pom				2.0		1.6	0x5.5	9,506'	0.0		9.10	Est. Total on Location		2032.4
Excess Lime (lb/bbl)				2.6 ppb		2.1 ppb	0x5	10,018'	0.0		9.10	Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				401 v		391 v						BIT HYDRAULICS DATA		
Average Specific Gravity of Solids				2.68		2.62	0x5	9,596'	0.0		9.10	Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				5.6%		5.4%	0x5	19,102'	0.0		9.10	0.00	psi	18 18 18
ppb Low Gravity Solids				46 ppb		44 ppb						Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				1.3%		1%								
ppb Barite				18 ppb		14 ppb	BIT DATA		Manuf./Type		GTD64M	0 lbs	0	
Estimated Total LCM in System	ppb						Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure	
Sample Taken By			E.Sanchez	0		R. Bowlin	6 3/4	17,632 ft	16.0	1,470 ft	91.9	2,000 psi		

Remarks/Recommendations:

OBM Skid Vol = 1,143bbls Total
OBM Received = 3,685 bbls

Total OBM On Location = 2,032 bbls

Total OBM In Frac Storage = 1,461 bbls

15# OBM Kill Mud in Frack Storage = 135 bbls

13# WBM KILL MUD in Frac Storage = 139 bbls

Rig Activity:

Continued running in the hole from 6,918MD on 5" production casing, swapped over to 5.5" production casing at 9,596'MD. Continue to run casing to 11,229'. Circulated B/U divert heavy mud to trip tank lost estimated 83 bbl OBM. Resume running casing to 15,000' with continued loses, estimated (20-50% displacement). Circulated B/U caught heavy mud on trip tank, lost additional 124 bbl while circulating. Finished running casing to bottom with little to no pipe displacement coming back. Wash/ream last 3 joints to bottom. R/U and Held S/M with NINE cement crew to pump cement. Pumped 80 bbl of 10.5 ppg spacer followed by 348 bbl of 13.5 ppg tail cement. Drop plug and displaced with 372 bbl of fresh water. Left estimated 169 bbl of OBM behind casing. Total loses in last 24 hrs 1,050 bbl. R/D cementers at report time. Total OBM to be transfered to next well 2,032 bbl.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:	Daily Total	Cumulative Cost
Rob Bowlin	Edgar Sanchez	MIDLAND				
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 936-349-0785	Phone:		**$63,465.00**	**$293,455.31**

W P Y E C g G H O
1 1 1 1 1 1 1 1 1

INCLUDING 3RD PARTY CHARGES	**$75,222.20**	**$428,247.95**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/06/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #21

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36	46	-46				1	$41.36
CACL2 (50)	50# sk	$14.32	236	-236				638	$9,136.16
LIME (50)	50# sk	$5.00	125	-125				525	$2,625.00
OPTI - G	50# sk	$30.59	145	-145				185	$5,659.15
BENTONE 38 (50)	50# sk	$163.94	40	-40				53	$8,688.82
BENTONE 910 (50)	50# sk	$59.40						5	$297.00
BENTONE 990 (50)	50# sk	$83.59	65	-65				61	$5,098.99
OPTI - MUL	gal	$10.75	275	-275				550	$5,912.50
OPTI - WET	gal	$8.34	440	-440				385	$3,210.90
NEW PHALT	50# sk	$38.72	115	-115				10	$387.20
OIL SORB (25)	25# sk	$4.75	92	-92				41	$194.75
CAUSTIC SODA (50)	50# sk	$27.76	32	-32					
NEW CARB (M)	50# sk	$5.25	133	-133				37	$194.25
MAGMAFIBER F (25)	25# sk	$28.05	144	-144				45	$1,262.25
NUT PLUG M (50)	50# sk	$12.04	70	-70				5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50	120	-120				2	$23.00
BARITE BULK (100)	100# sk	$7.00	1270	-1270				3491	$24,438.40
OPTI DRILL (OBM)	bbl	$65.00	2606	371	2032	945	$61,425.00	2448	$159,120.00
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	46	$45,540.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	46	$1,380.00
ENGINEERING (MILES)	each	$1.00						2079	$2,079.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						24	$360.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						5136	$10,170.01
TRUCKING (min)	each	$650.00						5	$3,250.00
PALLETS (ea)	each	$12.00						45	$540.00
SHRINK WRAP (ea)	each	$12.00						43	$516.00

Daily Sub-Total $63,465.00	Cumulative Total $293,455.31	$293,455.30

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/06/21	**MAGNOLIA OIL & GAS**	**BOONE C-1H**	**285**	**Report #21**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00	320	-320					
PRO X	25# sk	$70.00	320	-320					
PRO SWEEP AID	25# sk	$46.00	240	-240				44	$2,024.00
SB SUPERCEAL	25# sk	$80.00	253	-253				27	$2,160.00
Clements 14# Kill Mud	bbl	$45.36	149	-149					
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38						4940	$11,757.20
OBM_D 7_8_21	gal	$2.36							
OBM-D	gal	$2.36							
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33						2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34						7200	$16,848.00
OBM _D 7-27-21	gal	$2.36						7200	$16,992.00
OBM_D 7_28_21	gal	$2.34						7199	$16,845.66
OBM_D	gal	$2.34						7200	$16,848.00
OBM_D 7_31_21	gal	$2.46						1000	$2,460.00
OBM_D 7_31_21	gal	$2.38	4940			4940	$11,757.20	6200	$14,756.00
OBM_D 8_3_21	gal	$2.32	7200	-7200					

Daily Sub-Total $11,757.20

$134,792.64

Cumulative Total AES & 3rd Party $428,247.94

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
16,885	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,142	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,187	2,677	2,947	2,905	2,805	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
116	Chemical Additions		10	5	2																	
1,289	Base Fluid Added		53	247	51	10																
242	Barite Increase			10	8	29																
4,604	Weighted Mud Added		481	438																		
25	Slurry Added																					
669	Water Added		59	6	10		31															
-	Added for Washout																					
6,945	Total Additions	-	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
3,154	Formation Loss					65	41															
926	Mud Loss to Cuttings		113	399	24																	
528	Unrecoverable Volume				40	75	24															
182	Centrifuge Losses	51		36	50																	
4,790	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out						2,362															
2,032	Ending System Volume	2,187	2,677	2,947	2,905	2,805	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
25	Mud Recovered																					

4,505

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

Grand Totals		WEEK 4							WEEK 5							WEEK 6						
	Date	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4											
	Starting Depth	10,030	10,450	12,500	14,500	14,588	16,000	17,378	17,632	18,138	19,102	19,102	19,102									
	Ending Depth	10,450	12,500	14,500	14,588	16,000	17,378	17,632	18,138	19,102	19,102	19,102										
16,885	Footage Drilled	420	2,050	2,000	88	1,412	1,378	254	506	964	-	-	-	-	-	-	-	-	-	-	-	-
1,142	New Hole Vol.	19	91	89	4	62	61	11	22	43	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	408	2,677	2,742	2,639	2,669	2,748	2,715	2,714	2,519	2,422	2,606	2,032	2,032	2,032	2,032	2,032	2,032	2,032	2,032	2,032	2,032
116	Chemical Additions	7	20	16	4	18	17	2	7	8												
1,289	Base Fluid Added	109	150	95	50	103	125	26	64	59	30	118										
242	Barite Increase		18	7	61		31	28	22	23	5											
4,604	Weighted Mud Added	2,129								416	769	371										
25	Slurry Added	25																				
669	Water Added	35	20	35	107	90	120	10	45	80	10	12										
-	Added for Washout																					
6,945	Total Additions	2,304	209	153	222	211	293	66	138	586	814	501	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
3,154	Formation Loss		34	107	140	70	180	12	250	574	630	1,051										
926	Mud Loss to Cuttings	21	94	92	20	32	64	10	20	38												
528	Unrecoverable Volume		15	57	33	9	82	45	60	65		24										
182	Centrifuge Losses	15				20			4	6												
4,790	Total Losses	36	144	256	193	131	326	67	334	683	630	1,074	-	-	-	-	-	-	-	-	-	-
2,362	Mud Transferred Out																					
2,032	Ending System Volume	2,677	2,742	2,639	2,669	2,748	2,715	2,714	2,519	2,422	2,606	2,032	2,032	2,032	2,032	2,032	2,032	2,032	2,032	2,032	2,032	2,032
25	Mud Recovered	25																				

4,505

Comments:		Comments:		Comments:	
7/27/21	Transferred in 2129 bbls from BOONE D 1-H. Lost 21 bbls to cuttings retention. Lost 15 bbls to centrifuge	8/3/21	Lost 250 bbls to Seepage. Lost 20 bbls to cuttings retention. 64 bbl to Eva/Centrifuge	8/10/21	Lost
7/28/21	Lost 34 bbls to Seepage. Lost 94 bbls to cuttings retention. 15 bbls to Non-Recoverable Volume	8/4/21	Received 416 bbl of OBM from Newpartk Lost 625 bbls to Partial loses. Lost 38 bbls to cuttings retention. 70 bbl to Eva/Centrifuge	8/11/21	Lost
7/29/21	Lost 107 bbls to Seepage. Lost 92 bbls to cuttings retention. 57 bbls to Non-Recoverable Volume	8/5/21	Rec 769 bbls @ 9.2ppg from NEWPARK Lost 630 bbl Hole loses while POOH/Running Casing	8/12/21	
7/30/21	Lost 140 bbls to Seepage. Lost 20 bbls to cuttings retention. 33 bbls to Non-Recoverable Volume	8/6/21	Rec 343bbls 9.2ppg Returned ___bbls ___ppg.	8/13/21	
7/31/21	Lost 90 bbls to Seepage. Lost 32 bbls to cuttings retention. 9 bbls to Non-Recoverable Volume	8/7/21		8/14/21	
8/1/21	Lost 180 bbls to Seepage. Lost 64 bbls to cuttings retention. 83 bbls to Evaporation Volume	8/8/21		8/15/21	
8/2/21	Lost 11 bbls to Seepage. Lost 10 bbls to cuttings retention. 45 bbls to POHH Wet	8/9/21		8/16/21	

08/07/21 **Report #22**

110 Old Market St.
St Martinville, LA 70582
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/11/21**		**19,102 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BOONE C-1H	**285**	**TEXAS**	**06/19/21**		
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**0 gpm**	

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10	**5-20**	**5-12**	**>400**	**±275K**	**<7 <15**	**<10**
				8/6/21		8/5/21
Time Sample Taken				0:05		12:30
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				19,102'		19,102'
Mud Weight (ppg)				9.1		9.0
Funnel Vis (sec/qt)			@ 125 °F	48		45
600 rpm				32		30
300 rpm				20		19
200 rpm				15		13
100 rpm				10		9
6 rpm				5		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	12		11
Yield Point (lb/100 ft²)			T0 = 3	8		8
Gel Strength (lb/100 ft²)			10 sec/10 min	5/8		5/8
Gel Strength (lb/100 ft²)			30 min	12		10
HTHP Filtrate (cm/30 min)			@ 250 °F	8.0		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				9.5%		9%
Corrected Solids (vol%)				6.8%		6.4%
Retort Oil Content				62.5%		63%
Retort Water Content				28%		28%
O/W Ratio				69:31		69:31
Whole Mud Chlorides (mg/L)				66,000		66,000
Water Phase Salinity (ppm)				269,870		269,870
Whole Mud Alkalinity, Pom				2.0		1.6
Excess Lime (lb/bbl)				2.6 ppb		2.1 ppb
Electrical Stability (volts)				401 v		391 v
Average Specific Gravity of Solids				2.68		2.62
Percent Low Gravity Solids				5.6%		5.4%
ppb Low Gravity Solids				46 ppb		44 ppb
Percent Barite				1.3%		1%
ppb Barite				18 ppb		14 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				E.Sanchez	0	R. Bowlin

MUD VOLUME (BBL)

In Pits	
In Hole	0 bbl
Active	0 bbl
Storage	
Tot. on Location	0 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	0

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	
gal/min	0

RISER BOOSTER

Liner Size	
Stroke	
bbl/stk	0.0000
stk/min	
gal/min	0

CIRCULATION DATA

PHHP = 0 n = 0.678 K = 148.626

Bit Depth = ' Washout = Pump Efficiency = 95%

Drill String Disp.				
0.0 bbl	Volume to Bit	0.0 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	0.0 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol.	0.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
			0'	0'
				0'
				0'
				0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4		2,717'	0'
Int. Csg.	7 5/8		1'	0'
Prod.	5 1/2		9,506'	0'
Prod.	5		9,596'	9,506'
Open Hole Size	0.000		19,102'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	API 200's	
Shaker 2	API 140's	
Shaker 3	API 200's	
Cuttings Dryer	140	
Centrifuge		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	0.0
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Eva/Cent.	
CIRC MC/ CASING RUN	
Est. Total on Location	0.0
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
	psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
0 lbs	0			

Remarks/Recommendations:

OBM Skid Vol. 2116bbls

Rig Activity:

Final Report. All materials reconcilled

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Rob Bowlin	Edgar Sanchez	MIDLAND	WH #2	
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 936-349-0785	Phone:	

W P Y E C g G H O
1 1 1 1 1 1 1 1 1

Daily Total	Cumulative Cost
$0.00	**$287,995.31**
INCLUDING 3RD PARTY CHARGES	**$0.00**	**$422,787.95**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/07/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #22

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						56	$2,495.36
PHPA LIQUID (pail)	5 gal	$41.36						1	$41.36
CACL2 (50)	50# sk	$14.32						638	$9,136.16
LIME (50)	50# sk	$5.00						525	$2,625.00
OPTI - G	50# sk	$30.59						185	$5,659.15
BENTONE 38 (50)	50# sk	$163.94						53	$8,688.82
BENTONE 910 (50)	50# sk	$59.40						5	$297.00
BENTONE 990 (50)	50# sk	$83.59						61	$5,098.99
OPTI - MUL	gal	$10.75						550	$5,912.50
OPTI - WET	gal	$8.34						385	$3,210.90
NEW PHALT	50# sk	$38.72						10	$387.20
OIL SORB (25)	25# sk	$4.75						41	$194.75
CAUSTIC SODA (50)	50# sk	$27.76							
NEW CARB (M)	50# sk	$5.25						37	$194.25
MAGMAFIBER F (25)	25# sk	$28.05						45	$1,262.25
NUT PLUG M (50)	50# sk	$12.04						5	$60.20
NEW WATE (SACK BARITE)	100# sk	$11.50						2	$23.00
BARITE BULK (100)	100# sk	$7.00						3491	$24,438.40
OPTI DRILL (OBM)	bbl	$65.00	2116	-2116				2364	$153,660.00
ENGINEERING (24 HR)	each	$990.00						46	$45,540.00
ENGINEERING (DIEM)	bbl	$30.00						46	$1,380.00
ENGINEERING (MILES)	each	$1.00						2079	$2,079.00
RIG UP/RIG DOWN CHEMICALS	each	$650.00						1	$650.00
SCALE TICKET	each	$15.00						24	$360.00
FORKLIFT OPERATOR	each	$125.00						1	$125.00
TRUCKING (cwt)	each	$1.98						5136	$10,170.01
TRUCKING (min)	each	$650.00						5	$3,250.00
PALLETS (ea)	each	$12.00						45	$540.00
SHRINK WRAP (ea)	each	$12.00						43	$516.00
					Cumulative Total	$287,995.31		$287,995.30	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/07/21	MAGNOLIA OIL & GAS	BOONE C-1H	285	Report #22

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
PRO V PLUS	25# sk	$60.00							
PRO X	25# sk	$70.00							
PRO SWEEP AID	25# sk	$46.00						44	$2,024.00
SB SUPERCEAL	25# sk	$80.00						27	$2,160.00
Clements 14# Kill Mud	bbl	$45.36							
OBM_D 6_16_21	gal	$2.33							
DIESEL TRANSFER F/BORGSTEDT OL 2H	gal	$2.38						12114	$28,831.32
OBM_D 7_7_21	gal	$2.38						4940	$11,757.20
OBM_D 7_8_21	gal	$2.36							
OBM-D	gal	$2.36							
OBM Diesel Transfer F/BOONE D 1-H	gal	$2.33						2262	$5,270.46
OBM Diesel Transfer F/BOONE D 1-H #2	gal	$2.34						7200	$16,848.00
OBM _D 7-27-21	gal	$2.36						7200	$16,992.00
OBM_D 7_28_21	gal	$2.34						7199	$16,845.66
OBM_D	gal	$2.34						7200	$16,848.00
OBM_D 7_31_21	gal	$2.46						1000	$2,460.00
OBM_D 7_31_21	gal	$2.38						6200	$14,756.00
OBM_D 8_3_21	gal	$2.32							
									$134,792.64

Cumulative Total AES & 3rd Party $422,787.94

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/6/21	7/7/21	7/8/21	7/9/21	7/10/21	7/11/21	7/12/21	7/13/21	7/14/21	7/15/21	7/16/21	7/17/21	7/18/21	7/19/21	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	2,217	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
	Ending Depth	2,217	5,000	9,750	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030	10,030
16,885	Footage Drilled	-	2,783	4,750	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,142	New Hole Vol.	-	264	450	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,238	2,187	2,677	2,947	2,905	2,805	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
116	Chemical Additions		10	5	2																	
1,289	Base Fluid Added		53	247	51	10																
242	Barite Increase			10	8	29																
4,908	Weighted Mud Added		481	438																		
25	Slurry Added																					
669	Water Added		59	6	10		31															
-	Added for Washout																					
7,249	Total Additions	-	603	705	71	39	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
3,070	Formation Loss					65	41															
926	Mud Loss to Cuttings		113	399	24																	
528	Unrecoverable Volume				40	75	24															
182	Centrifuge Losses	51		36	50																	
4,706	Total Losses	51	113	435	114	140	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,781	Mud Transferred Out						2,362															
0	Ending System Volume	2,187	2,677	2,947	2,905	2,805	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408
25	Mud Recovered																					

2,390

Comments:		Comments:	Comments:
7/6/21	Transfer 2,238 bbl from BORGSTEDT OL 2H,	7/13/21	7/20/21
7/7/21	Received 481 bbl of 9.3ppg from Newpark Drilling Fluids	7/14/21	7/21/21
7/8/21	Received 438 bbl of 9.3 ppg from NewPark Drilling Fluids	7/15/21	7/22/21
7/9/21	Estimated loses 40 Non Reco. And 51 Centrifuge/Evap.	7/16/21	7/23/21
7/10/21	Lost estimated 65 bbl on seepage loses while circulating/increasing MWT from 9.5 ppg to 10.0 ppg .	7/17/21	7/24/21
7/11/21	Skid Vol. 2362bbls__460bbls left in casing. 100bbls not charged off on the inv page on 7/9/21, daliy cost reflects missed charge off.	7/18/21	7/25/21
7/12/21		7/19/21	7/26/21

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BOONE C-1H

		WEEK 4							WEEK 5							WEEK 6						
	Date	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4											
Grand Totals	Starting Depth	10,030	10,450	12,500	14,500	14,588	16,000	17,378	17,632	18,138	19,102	19,102	19,102	19,102								
	Ending Depth	10,450	12,500	14,500	14,588	16,000	17,378	17,632	18,138	19,102	19,102	19,102	19,102									
16,885	Footage Drilled	420	2,050	2,000	88	1,412	1,378	254	506	964	-	-	-	-	-	-	-	-	-	-	-	-
1,142	New Hole Vol.	19	91	89	4	62	61	11	22	43	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	408	2,677	2,742	2,639	2,669	2,748	2,715	2,714	2,519	2,422	2,606	2,115	0	0	0	0	0	0	0	0	0
116	Chemical Additions	7	20	16	4	18	17	2	7	8												
1,289	Base Fluid Added	109	150	95	50	103	125	26	64	59	30	118										
242	Barite Increase		18	7	61		31	28	22	23	5											
4,908	Weighted Mud Added	2,129								416	769	675										
25	Slurry Added	25																				
669	Water Added	35	20	35	107	90	120	10	45	80	10	12										
-	Added for Washout																					
7,249	Total Additions	2,304	209	153	222	211	293	66	138	586	814	805	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
3,070	Formation Loss		34	107	140	70	180	12	250	574	630	967										
926	Mud Loss to Cuttings	21	94	92	20	32	64	10	20	38												
528	Unrecoverable Volume		15	57	33	9	82	45	60	65		24										
182	Centrifuge Losses	15				20			4	6												
4,706	Total Losses	36	144	256	193	131	326	67	334	683	630	991	-	-	-	-	-	-	-	-	-	-
4,781	Mud Transferred Out											304	2,115									
0	Ending System Volume	2,677	2,742	2,639	2,669	2,748	2,715	2,714	2,519	2,422	2,606	2,115	0	0	0	0	0	0	0	0	0	0
25	Mud Recovered	25																				

2,390

Comments:			Comments:			Comments:	
7/27/21	Transferred in 2129 bbls from BOONE D 1-H. Lost 21 bbls to cuttings retention. Lost 15 bbls to centrifuge		8/3/21	Lost 250 bbls to Seepage. Lost 20 bbls to cuttings retention. 64 bbl to Eva/Centrifuge	Lost	8/10/21	
7/28/21	Lost 34 bbls to Seepage. Lost 94 bbls to cuttings retention. 15 bbls to Non-Recoverable Volume	Lost	8/4/21	Received 416 bbl of OBM from Newpartk Lost 625 bbls to Partial loses. Lost 38 bbls to cuttings retention. 70 bbl to Eva/Centrifuge	Lost	8/11/21	
7/29/21	Lost 107 bbls to Seepage. Lost 92 bbls to cuttings retention. 57 bbls to Non-Recoverable Volume	Lost	8/5/21	Rec 769 bbls @ 9.2ppg from NEWPARK Lost 630 bbl Hole loses while POOH/Running Casing		8/12/21	
7/30/21	Lost 140 bbls to Seepage. Lost 20 bbls to cuttings retention. 33 bbls to Non-Recoverable Volume	Lost	8/6/21	Rec 675bbls 9.2ppg Return 304bbls 11.5p;pg		8/13/21	
7/31/21	Lost 90 bbls to Seepage. Lost 32 bbls to cuttings retention. 9 bbls to Non-Recoverable Volume	Lost	8/7/21	Skid Vol. 2116bbls		8/14/21	
8/1/21	Lost 180 bbls to Seepage. Lost 64 bbls to cuttings retention. 83 bbls to Evaporation Volume	Lost	8/8/21			8/15/21	
8/2/21	Lost 11 bbls to Seepage. Lost 10 bbls to cuttings retention. 45 bbls to POHH Wet	Lost	8/9/21			8/16/21	