06/23/21 **Report #1**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.1° **88' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**2,552 ft**	**2,732 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**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**	**596 gpm**	**2,135 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**
				6/23/21		
Time Sample Taken				3:00		
Sample Location				pit		
Flowline Temperature °F				110 °F		
Depth (ft)				2,732'		
Mud Weight (ppg)				9.1		
Funnel Vis (sec/qt)			@ 90 °F	33		
600 rpm				6		
300 rpm				5		
200 rpm				4		
100 rpm				3		
6 rpm				2		
3 rpm				1		
Plastic Viscosity (cp)			@ 120 °F	1		
Yield Point (lb/100 ft²)			T0 = 0	4		
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		
Gel Strength (lb/100 ft^2)			30 min	2		
API Filtrate / Cake Thickness						
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				5.7%		
Retort Oil Content						
Retort Water Content				94.3%		
Sand Content				1%		
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				8.4		
Alkalinity, Mud Pm						
Alkalinities, Filtrate Pf/Mf						
Chlorides (mg/L)				300		
Calcium (ppm)				40		
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				5.6%		
Percent Drill Solids				5.6%		
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				B. Guidry		

MUD VOLUME (BBL)

In Pits	600 bbl
In Hole	547 bbl
Active	628 bbl
Storage	
Tot. on Location	1147 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	95
gal/min	304

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	91
gal/min	292

RISER BOOSTER

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	95
gal/min	304

PHHP = 743 **CIRCULATION DATA** n = 0.263 K = 494.461

Bit Depth = 88 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.							
1.4 bbl	Volume to Bit	8.5 bbl	Strokes To Bit	111	Time To Bit	1 min
	Bottoms Up Vol.	19.5 bbl	BottomsUp Stks	256	BottomsUp Time	1 min
	Riser Ann. Vol.	19.5 bbl	Riser Strokes	256	Riser Circ. Time	1 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	10.750	9.950	88'	0'
				88'
				88'
				88'

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		2,732'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
18.542x10.75	88'	96.7	lam	9.14

BIT DATA

Manuf./Type	U6165			
Size	Depth In	Hours	Footage	ROP ft/hr
13 1/2	108 ft	8.0	2,552 ft	319.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	24.0
Shaker 2	140	24.0
Shaker 3	200	24.0
Desander		18.0
Desilter		18.0
Centrifuge 1		18.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	0.0
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	3.8
Water Added (+)	2991.2
Left on Cuttings (-)	-498.1
Sand Trap Discharge	-1350.0
Est. Total on Location	1146.8
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.52	215 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
456 lbs	162			

Motor/MWD	Calc. Circ. Pressure
1,902 psi	2,135 psi

Remarks/Recommendations:

OBM RECEIVED: 1146bbls

OBM ON SURFACE--- 1146 bbls (Storage)

Rig Activity:

Skid Rig over to BORGSTEDT OL 2H well. Nipple up. M/U BHA and RIH with same. Drilled out cement from casing and shoe. Drilled to section TD of 2,732' while pumping 20 bbl SAAP/Drilling Detergent sweeps on every connection. Additions of SAAP and Drilling Detergent were made to the active system while aggressively diluting with H20 and dumping sand traps every 100'. At TD pumped a 25 bbl sweep followed by a second 25 bbl sweep once sweep 1 cleared the bit. Circulate well clean and POOH for casing run. L/D BHA and M/U casing running equipment. M/U shoe and shoe track. RIH with 10.75" Casing at report time.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Adolfo Roman	Bart Guidry	MIDLAND	WH #2	
Phone: 956-821-9994	Phone: 337-250-3841	Phone: 432-686-7361	Phone: -	

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

Daily Total	Cumulative Cost
$4,268.00	**$4,268.00**
INCLUDING 3RD PARTY CHARGES	**$4,268.00**	**$4,268.00**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/23/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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		262	212	50	$2,228.00	50	$2,228.00
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		47	47				
NEW CARB (M)	50# sk	$5.25							
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05							
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04							
NEW WATE (SACK BARITE)	100# sk	$11.50		78	78				
BARITE BULK (100)	100# sk	$7.00		801	801				
OPTI DRILL (OBM)	bbl	$65.00		1146	1146				
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	2	$1,980.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	2	$60.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$1.98							
TRUCKING (min)	each	$650.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $4,268.00			Cumulative Total $4,268.00			$4,268.00	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/23/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	285	Report #1

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost

Cumulative Total AES & 3rd Party $4,268.00

6/23/2021 **Report 2 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**	**06/23/21**		**2,732 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**		**Cement Csg.**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Collinson/Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**596 gpm**	

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**

MUD PROPERTIES				
Time Sample Taken		3:00		15:00
Sample Location		pit		NO MUD
Flowline Temperature °F		110 °F		
Depth (ft)		2,732'		
Mud Weight (ppg)		9.1		
Funnel Vis (sec/qt)	@ 90 °F	33		
600 rpm		6		
300 rpm		5		
200 rpm		4		
100 rpm		3		
6 rpm		2		
3 rpm		1		
Plastic Viscosity (cp)	@ 120 °F	1		
Yield Point (lb/100 ft²)	T0 =	4		
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		5.7%		
Retort Oil Content				
Retort Water Content		94.3%		
Sand Content		1%		
M.B.T. (Methylene Blue Capacity) (ppb)				
pH		8.4		
Alkalinity, Mud Pm				
Alkalinities, Filtrate Pf/Mf				
Chlorides (mg/L)		300		
Calcium (ppm)		40		
Excess Lime (lb/bbl)				
Average Specific Gravity of Solids		2.60	2.60	2.60
Percent Low Gravity Solids		5.6%		
Percent Drill Solids		5.6%		
PPA Spurt / Total (ml) @				
Estimated Total LCM in System				
Sample Taken By		B. Guidry		A. Roman

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	251 bbl	Stroke	12	Stroke	12	Stroke	12
Active		bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage		stk/min	95	stk/min	91	stk/min	
Tot. on Location	251 bbl	gal/min	304	gal/min	292	gal/min	

Mud Wt. = 9.1 PV=1 YP=4 **CIRCULATION DATA** n = 0.263 K = 494.5

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				
Surface	10 3/4	9.700	2,715'	
Int. Csg.				
Washout 1				
Washout 2				
Open Hole Size	14.175		2,732'	

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	108 ft	8.0	2,552 ft	319.0	1,902 psi	#DIV/0!

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	12.0
Shaker 2	140	12.0
Shaker 3	200	12.0
Desander		
Desilter		
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	1146.8
Transferred In(+)/Out(-)	251.0
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Pit / Boat Cleaning (-)	-1146.4
Est. Total on Location	251.4
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:

251bbls of 9ppg OBM left inside casing.

Cement: 40bbls spacer 8.3# / 296bbls Lead 11.6# /

78bbls Tail 14.4ppg / Displace with 251bbls 9ppg OBM.

Afternoon Rig Activity:

Over the past 12 hours Patterson 285 has successfully ran the 10.75" surface casing to bottom setting the shoe at 2,715'MD. Circulated one and a half casing volumes. Skid over to the BORGSTEDT OL 3-H. 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 (120bbls). Flush through any lines and prepare to drill out on 3H. Active pits flushed out, transfer WBM to storage tanks for disposal of same. Fresh water in active system (SAPP/Soap).

6/24/2021 **Report #2**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Depth
enervest	**PATTERSON**	**Karnea**	**06/23/21**	**0 ft**	**2,732 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**0 ft/hr**	**TRANSFER RPT.**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Collinson/Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**596 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**

MUD PROPERTIES				
Time Sample Taken	3:00	0:00	15:00
Sample Location	pit	0	NO MUD
Flowline Temperature °F	110 °F	0 °F	0 °F
Depth (ft)	2,732'	0'	0'
Mud Weight (ppg)	9.1	0.0	0.0
Funnel Vis (sec/qt) @ 90 °F	33	0	0
600 rpm	6	0	0
300 rpm	5	0	0
200 rpm	4	0	0
100 rpm	3	0	0
6 rpm	2	0	0
3 rpm	1	0	0
Plastic Viscosity (cp) @ 120 °F	1	0	0
Yield Point (lb/100 ft²) T0 = 0	4	0	0
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/2		
Gel Strength (lb/100 ft2) 30 min	2	0	0
API Filtrate / Cake Thickness @ 0 °F			
HTHP Filtrate / Cake Thickness @ 0 °F			
Retort Solids Content	0.1	0.0	0.0
Retort Oil Content	0.0	0.0	0.0
Retort Water Content	0.9	0.0	0.0
Sand Content	0.0	0.0	0.0
M.B.T. (Methylene Blue Capacity) (ppb)			
pH	8	0	0
Alkalinity, Mud Pm	0	0	0
Alkalinities, Filtrate Pf/Mf			
Chlorides (mg/L)	300.00	0.00	0.00
Calcium (ppm)	40	0	0
Excess Lime (lb/bbl)	0.00	0.00	0.00
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	0.1	0.0	0.0
Percent Drill Solids	0.1	0.0	0.0
PPA Spurt / Total (ml) @ @ 0 °F			
Estimated Total LCM in System @ 0 °F	0.0	0.0	0.0
Sample Taken By	B. Guidry	0	A. Roman

MUD VOLUME (BBL)	
In Pits	0 bbl
In Hole	251 bbl
Active	0 bbl
Storage	0 bbl
Tot. on Location	251 bbl

PUMP #1	
Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	95
gal/min	304

PUMP #2	
Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	91
gal/min	292

RISER BOOSTER	
Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	0
gal/min	0

Mud Wt. = 9.1 PV=1 YP=4 **CIRCULATION DATA** n = 0.263 K = 494.5

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

Drill String Disp.							
0.0 bbl	Volume to Bit	0.0 bbl	Strokes To Bit	0	Time To Bit	0 min
	Bottoms Up Vol.	0.0 bbl	BottomsUp Stks	0	BottomsUp Time	0 min
	TotalCirc.Vol.	0.0 bbl	TotalCirc.Stks	0	Total Circ. Time	0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
0	0.000	0.000	0'	0'
0	0.000	0.000	0'	0'
0	0.000	0.000	0'	0'
0	0.000	0.000	0'	0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	0	0.000	0'	
Surface	10 3/4	9.750	2,715'	0'
Int. Csg.	0	0.000	0'	0'
Washout 1	0	0.000	0'	0'
Washout 2	0	0.000	0'	0'
Open Hole Size		0.000	2,732'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
0	0'	0.0	0	0.00
0	0'	0.0	0	0.00
0	0'	0.0	0	0.00
0	0'	0.0	0	0.00
0	0'	0.0	0	0.00
0	0'	0.0	0	0.00
0	0'	0.0	0	0.00
0	0'	0.0	0	0.00

0 Manuf./Type 0

Size	Depth In	Hours	Footage	ROP ft/hr
0	0 ft	0.0	0 ft	0.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	0	0.0
Shaker 2	0	0.0
Shaker 3	0	0.0
Desander	0	0.0
Desilter	0	0.0
Centrifuge 1	0	0.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	1146.8
Transferred In(+)/Out(-)	251.0
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	0.0
Left on Cuttings (-)	0.0
Pit / Boat Cleaning (-)	-1147.1
0	0.0
Est. Total on Location	250.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Motor/MWD	Calc. Circ. Pressure
psi	#DIV/0!

Remarks/Recommendations:

251bbls left inside Surface Casing.

0

0

0

0

Rig Activity:

Report made to transfer in all inventory from the 2-H to the 3-H. For Intermediate section drilling. No Cost.

Eng. 1:	Adolfo Roman	Eng. 2:	Bart Guidry	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	956-821-9994	Phone:	337-250-3841	Phone:	432-686-7361	Phone:	-	0

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

	Daily Total	Cumulative Cost
	$0.00	**$4,268.00**
INCLUDING 3RD PARTY CHARGES	**$0.00**	**$4,268.00**
		Previous Cost **$4,268.00**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/24/21	**MAGNOLIA OIL & GAS**	**BORGSTEDT OL 2H**	**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	212	-212				50	$2,228.00
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	47	-47					
NEW CARB (M)	50# sk	$5.25							
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05							
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04							
NEW WATE (SACK BARITE)	100# sk	$11.50	78	-78					
BARITE BULK (100)	100# sk	$7.00	801	-801					
OPTI DRILL (OBM)	bbl	$65.00	1146	-933	213				
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00						2	$1,980.00
ENGINEERING (DIEM)	bbl	$30.00						2	$60.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$1.98							
TRUCKING (min)	each	$650.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
					Cumulative Total	**$4,268.00**		**$4,268.00**	

THIRD PARY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/24/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	285	Report #2

DAILY USAGE & COST									CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost

07/01/21 **Report #3**

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

OUTSOURCE FLUID SOLUTIONS LLC.

11.1° **2,979' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**		**3,000 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**		**FIT/DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Collinson/Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**878 gpm**	**4,563 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	550 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
8.5-10	**5-20**	**5-12**	**>300**	**±270K**	**<10 <20**	**<10**	In Hole	205 bbl	Stroke	12	Stroke	12	Stroke	12
				7/1/21		7/1/21	Active	755 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Time Sample Taken				1:00		14:00	Storage	2207 bbl	stk/min	137	stk/min	137	stk/min	0
Sample Location				suction		suction	Tot. on Location	2962 bbl	gal/min	439	gal/min	439	gal/min	0
Flowline Temperature °F							PHHP = 2338		**CIRCULATION DATA**				n = 0.646	K = 208.293
Depth (ft)				2,732'		2,732'	Bit Depth = 3,000 '		Washout = 2%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.6		9.1	Drill String Disp.	Volume to Bit 47.0 bbl	Strokes To Bit 616				Time To Bit 2 min	
Funnel Vis (sec/qt)		@ 100 °F		56		51		Bottoms Up Vol. 158.2 bbl	BottomsUp Stks 2,074				BottomsUp Time 8 min	
600 rpm				36		29	36.0 bbl	TotalCirc.Vol. 755.2 bbl	TotalCirc.Stks 9,897				Total Circ. Time 36 min	
300 rpm				23		18	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				18		14	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				14		9	Drill Pipe	5.000	4.276	435'	0'		Shaker 1	140	
6 rpm				7		5	DP / AGI.	5.000	4.276	1,996'	435'		Shaker 2	140	
3 rpm				6		4	Hevi Wt	5.000	2.500	271'	2,431'		Shaker 3	140	
Plastic Viscosity (cp)		@ 150 °F		13		11	Dir. BHA	7.750	2.750	298'	2,702'		Desander		
Yield Point (lb/100 ft²)		T0 = 5		10		7	**CASING & HOLE DATA**						Desilter		
Gel Strength (lb/100 ft²)		10 sec/10 min		7/11		6/9	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1		
Gel Strength (lb/100 ft²)		30 min		16		11	Riser						**VOLUME ACCOUNTING (bbls)**	
HTHP Filtrate (cm/30 min)		@ 250 °F		5.8		6.0	Surface	10 3/4	8.990	2,715'	0'		Prev. Total on Location	2970.2
HTHP Cake Thickness (32nds)				2.0		2.0					0'		Transferred In(+)/Out(-)	
Retort Solids Content				10.6%		8%							Oil Added (+)	0.0
Corrected Solids (vol%)				7.9%		5.2%							Barite Added (+)	0.0
Retort Oil Content				62.4%		62%	Open Hole Size	10.073	3,000'				Other Product Usage (+)	0.0
Retort Water Content				27%		30%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	
O/W Ratio				70:30		67:33	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	0.0
Whole Mud Chlorides (mg/L)				66,000		71,000								
Water Phase Salinity (ppm)				277,096		270,666								
Whole Mud Alkalinity, Pom				2.4		2.0	8.99x5	435'	385.6	turb	10.13		Est. Total on Location	2970.2
Excess Lime (lb/bbl)				3.1 ppb		2.6 ppb	8.99x5	2,431'	385.6	turb	10.13		Est. Losses/Gains (-)/(+)	-7.9
Electrical Stability (volts)				462 v		388 v	8.99x5	2,702'	385.6	turb	10.13		**BIT HYDRAULICS DATA**	
Average Specific Gravity of Solids				3.21		3.08	8.99x7.75	2,715'	1036.9	turb	10.19		Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				4%		3%	10.073x7.75	3,000'	519.9	turb	10.30		2.05	307 psi	14 14 14
ppb Low Gravity Solids				33 ppb		25 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	14 14 14
Percent Barite				3.9%		2.2%									16 16 16
ppb Barite				56 ppb		31 ppb	**BIT DATA**		Manuf./Type		SPL613		825 lbs	189	
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	A. Roman	9 7/8	2,715 ft					250 psi		2,191 psi

Remarks/Recommendations:

251bbls left inside Surface Casing.

OBM Transfer in:

Rig Activity:

Report made to transfer in all inventory from the 3-H to the 2-H. For Intermediate section drilling. No Cost.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Adolfo Roman	Edgar Sanchez	MIDLAND	WH #2	
Phone: 956-821-9994	Phone: 956-693-3035	Phone: 432-686-7361	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	**$4,268.00**
INCLUDING 3RD PARTY CHARGES	**$0.00**	**$4,268.00**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/01/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	16		16				
CACL2 (50)	50# sk	$14.32	280		280				
LIME (50)	50# sk	$5.00	262		262				
OPTI - G	50# sk	$30.59	180		180				
BENTONE 38 (50)	50# sk	$163.94	32		32				
BENTONE 910 (50)	50# sk	$59.40	70		70				
BENTONE 990 (50)	50# sk	$83.59	65		65				
OPTI - MUL	gal	$10.75	440		440				
OPTI - WET	gal	$8.34	440		440				
NEW PHALT	50# sk	$38.72	180		180				
OIL SORB (25)	25# sk	$4.75	76		76				
NEW CARB (M)	50# sk	$5.25	220		220				
MAGMAFIBER F (25)	25# sk	$28.05	268		268				
NEW PLUG M	50# sk	$10.51	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	78		78				
BARITE BULK (100)	100# sk	$7.00	1001		1001				
OPTI DRILL (OBM)	bbl	$65.00	2970		2970				
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00						2	$1,980.00
ENGINEERING (DIEM)	bbl	$30.00						2	$60.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$1.98							
TRUCKING (min)	each	$650.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
					Cumulative Total	$4,268.00			$4,268.00

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/01/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	285	Report #3

DAILY USAGE & COST / **CUMULATIVE**

Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
DIESEL TRANSFER F/3H	gal	$2.38	14972		14972				

Cumulative Total AES & 3rd Party $4,268.00

7/1/2021 **Report 3 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

11.1° **2,979' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**		**3,000 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**		**FIT/DRILLING**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Collinson/Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**878 gpm**	**4,563 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±270K**	**<10 <20**	**<10**

MUD PROPERTIES				
Time Sample Taken		1:00		14:00
Sample Location		suction		suction
Flowline Temperature °F				
Depth (ft)		2,732'		2,732'
Mud Weight (ppg)		9.6		9.1
Funnel Vis (sec/qt)	@ 100 °F	56		51
600 rpm		36		29
300 rpm		23		18
200 rpm		18		14
100 rpm		14		9
6 rpm		7		5
3 rpm		6		4
Plastic Viscosity (cp)	@ 150 °F	13		11
Yield Point (lb/100 ft²)	T0 = 5	10		7
Gel Strength (lb/100 ft²)	10 sec / 10 min	7/11		6/9
Gel Strength (lb/100 ft2)	30 min	16		11
HTHP Filtrate (cm/30 min)	@ 250 °F	5.8		6.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		10.6%		8%
Corrected Solids (vol%)		7.9%		5.2%
Retort Oil Content		62.4%		62%
Retort Water Content		27%		30%
O/W Ratio		70:30		67:33
Whole Mud Chlorides (mg/L)		66,000		71,000
Water Phase Salinity (ppm)		277,096		270,666
Whole Mud Alkalinity, Pom		2.4		2.0
Excess Lime (lb/bbl)		3.1 ppb		2.6 ppb
Electrical Stability (volts)		462 v		388 v
Average Specific Gravity of Solids		3.21		3.08
Percent Low Gravity Solids		4%		3%
ppb Low Gravity Solids		33 ppb		25 ppb
Percent Barite		3.9%		2.2%
ppb Barite		56 ppb		31 ppb
Estimated Total LCM in System				
Sample Taken By		E. Sanchez		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	205 bbl	Stroke	12	Stroke	12	Stroke	12
Active	755 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	2207 bbl	stk/min	137	stk/min	137	stk/min	
Tot. on Location	2962 bbl	gal/min	439	gal/min	439	gal/min	

Mud Wt. = 9.6 PV=13 YP=10 **CIRCULATION DATA** n = 0.646 K = 208.3

Bit Depth = 3,000 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	47.0 bbl	Strokes To Bit	616	Time To Bit	2 min
36.0 bbl	Bottoms Up Vol.	158.2 bbl	BottomsUp Stks	2,074	BottomsUp Time	8 min
	TotalCirc.Vol.	755.2 bbl	TotalCirc.Stks	9,897	Total Circ. Time	36 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	435'	
DP / AGI.	5.000	4.276	1,996'	435'
Hevi Wt	5.000	2.500	271'	2,431'
Dir. BHA	7.750	2.750	298'	2,702'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	8.990	2,715'	
Open Hole Size	10.073		3,000'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
8.99x5	435'	385.6	turb	10.13
8.99x5	2,431'	385.6	turb	10.13
8.99x5	2,702'	385.6	turb	10.13
8.99x7.75	2,715'	1036.9	turb	10.19
10.073x7.75	3,000'	519.9	turb	10.30

BIT DATA Manuf./Type SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,715 ft			

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	140	
Desander		
Desilter		
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2970.2
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Est. Total on Location	2970.2
Est. Losses/Gains (-)/(+)	-7.9

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
2.05	307 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
825 lbs	189			

Motor/MWD	Calc. Circ. Pressure
250 psi	2,191 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Over the past 12 hours: Completed repairs and maintenance to rig equipment. Pick up and Make up New BHA, test same on surface. TIH tag float equipment and set circulation. Drilling float and shoe track plus 10' of new formation. Perform FIT (11.6EMW / 350psi), successful test. Start drilling on intermediate section. Pump Rate 900gal/min / 800-1050ROP, overwhelming shakers, massive amount of cuttings and excessive flow due to Jet lines running on flow line, cause to loos mud over the shakers. Recover some with vacc truck and pump over shakers.

07/02/21 **Report #4**

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

OUTSOURCE FLUID SOLUTIONS LLC.

11.1° **4,137' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**1,465 ft**	**4,180 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**366 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Collinson/Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**683 gpm**	**3,305 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±270K**	**<10 <20**	**<10**
				7/2/21		7/1/21
Time Sample Taken				1:00		14:00
Sample Location				suction		suction
Flowline Temperature °F				140 °F		
Depth (ft)				4,180'		2,732'
Mud Weight (ppg)				9.0		9.1
Funnel Vis (sec/qt)			@ 100 °F	48		51
600 rpm				32		29
300 rpm				20		18
200 rpm				16		14
100 rpm				10		9
6 rpm				7		5
3 rpm				6		4
Plastic Viscosity (cp)			@ 150 °F	12		11
Yield Point (lb/100 ft²)			T0 = 5	8		7
Gel Strength (lb/100 ft²)			10 sec/10 min	6/11		6/9
Gel Strength (lb/100 ft²)			30 min	12		11
HTHP Filtrate (cm/30 min)			@ 250 °F	5.8		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				8%		8%
Corrected Solids (vol%)				5.1%		5.2%
Retort Oil Content				62%		62%
Retort Water Content				30%		30%
O/W Ratio				67:33		67:33
Whole Mud Chlorides (mg/L)				72,000		71,000
Water Phase Salinity (ppm)				273,435		270,666
Whole Mud Alkalinity, Pom				2.2		2.0
Excess Lime (lb/bbl)				2.9 ppb		2.6 ppb
Electrical Stability (volts)				345 v		388 v
Average Specific Gravity of Solids				2.87		3.08
Percent Low Gravity Solids				3.6%		3%
ppb Low Gravity Solids				29 ppb		25 ppb
Percent Barite				1.5%		2.2%
ppb Barite				22 ppb		31 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				E. Sanchez	0	A. Roman

MUD VOLUME (BBL)

In Pits	566 bbl
In Hole	314 bbl
Active	880 bbl
Storage	1968 bbl
Tot. on Location	2848 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	104
gal/min	333

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	109
gal/min	349

RISER BOOSTER

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	0
gal/min	0

PHHP = 1316 **CIRCULATION DATA** n = 0.678 K = 148.626

Bit Depth = 4,180 ' Washout = 2% Pump Efficiency = 95%

Drill String Disp.							
43.7 bbl	Volume to Bit	68.0 bbl	Strokes To Bit	891	Time To Bit	4 min
	Bottoms Up Vol.	245.9 bbl	BottomsUp Stks	3,222	BottomsUp Time	15 min
	TotalCirc.Vol.	879.8 bbl	TotalCirc.Stks	11,530	Total Circ. Time	54 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	1,615'	0'
DP / AGI.	5.000	4.276	1,996'	1,615'
Hevi Wt	5.000	2.500	271'	3,611'
Dir. BHA	7.750	2.750	298'	3,882'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	8.990	2,715'	0'
				0'
Open Hole Size	10.073		4,180'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
8.99x5	1,615'	299.7	turb	9.70
8.99x5	2,715'	299.7	turb	9.93
10.073x5	3,611'	218.8	lam	10.12
10.073x5	3,882'	218.8	lam	10.43
10.073x7.75	4,180'	404.1	turb	10.78

BIT DATA Manuf./Type SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,715 ft	4.0	1,321 ft	330.3

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	140	
Desander		
Desilter		
Centrifuge 1		4.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2970.2
Transferred In(+)/Out(-)	
Oil Added (+)	37.7
Barite Added (+)	0.0
Other Product Usage (+)	4.0
Water Added (+)	
Left on Cuttings (-)	-144.4
Non-Recoverable Vol. (-)	-19.6
Est. Total on Location	2847.8
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.90	174 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
467 lbs	147			

Motor/MWD	Calc. Circ. Pressure
250 psi	1,533 psi

Remarks/Recommendations:

OBM Transfer in: 2,970 bbl 9.3ppg

Surface OBM Active and Storage: 1,968 bbl @ 9.3 ppg

Rig Activity:

Skid over and trasfer all chemical inventory/OBM from BORGSTEDT OL 3-H. R/U and N/U BOP. TIH to casing shoe, tagged cement @ 2,540'. Drilled out cement and 10' of new formation to 2,737' and circulated B/U with 9.1 ppg OBM. Performed FIT test to 11.6 ppg EMWT(357 psi). Resumed drilling from 2,727' to 3,039' perform rig repairs. Continue drilling from 3,039' to 4,180'at report time. Plan ahead is to drill to section T.D. Average ROP 330 ft/hr, SPP: 3,305 psi,

Eng. 1:	Eng. 2:	WH 1:	WH 2:	WH #2	Rig Phone:
Adolfo Roman	Edgar Sanchez	MIDLAND			
Phone: 956-821-9994	Phone: 956-693-3035	Phone: 432-686-7361	Phone:	-	

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

	Daily Total	Cumulative Cost
	$12,127.89	**$16,395.89**
INCLUDING 3RD PARTY CHARGES	**$15,631.25**	**$19,899.25**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/02/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	285	Report #4

			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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	16		16				
CACL2 (50)	50# sk	$14.32	280		280				
LIME (50)	50# sk	$5.00	262		212	50	$250.00	50	$250.00
OPTI - G	50# sk	$30.59	180		180				
BENTONE 38 (50)	50# sk	$163.94	32		32				
BENTONE 910 (50)	50# sk	$59.40	70		64	6	$356.40	6	$356.40
BENTONE 990 (50)	50# sk	$83.59	65		59	6	$501.54	6	$501.54
OPTI - MUL	gal	$10.75	440		385	55	$591.25	55	$591.25
OPTI - WET	gal	$8.34	440		385	55	$458.70	55	$458.70
NEW PHALT	50# sk	$38.72	180		180				
OIL SORB (25)	25# sk	$4.75	76		76				
NEW CARB (M)	50# sk	$5.25	220		220				
MAGMAFIBER F (25)	25# sk	$28.05	268		268				
NEW PLUG M	50# sk	$10.51	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	78		78				
BARITE BULK (100)	100# sk	$7.00	1001		1001				
OPTI DRILL (OBM)	bbl	$65.00	2970		2848	122	$7,930.00	122	$7,930.00
DISCOUNTED OBM	bbl	$10.00							

ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	4	$3,960.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	4	$120.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$1.98							
TRUCKING (min)	each	$650.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $12,127.89			**Cumulative Total $16,395.89**			**$16,395.89**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/02/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	285	Report #4

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 SUPER CEAL	25# sk	$80.00		320	320				
DIESEL TRANSFER F/3H	gal	$2.38	14972		13500	1472	$3,503.36	1472	$3,503.36

					Daily Sub-Total $3,503.36			**$3,503.36**	

Cumulative Total AES & 3rd Party $19,899.25

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BORGSTEDT OL 2H

		WEEK 1							WEEK 2							WEEK 3					
	Date	7/1/21	7/2/21	7/3/21	7/4/21	7/5/21	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
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue
	Bit Size	9 7/8																			
Grand Totals	Starting Depth	2,715	4,180																		
	Ending Depth	4,180																			
1,465	Footage Drilled	1,465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139	New Hole Vol.	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,970	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848
4	Chemical Additions	4																			
38	Base Fluid Added	38																			
-	Barite Increase	-																			
-	Weighted Mud Added	-																			
-	Slurry Added	-																			
-	Water Added	-																			
-	Added for Washout																				
42	Total Additions	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																				
-	Formation Loss																				
144	Mud Loss to Cuttings	144																			
20	Unrecoverable Volume	20																			
-	Centrifuge Losses																				
164	Total Losses	164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																				
2,848	Ending System Volume	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848	2,848
-	Mud Recovered																				

	Comments:		Comments:		Comments:	
2,970	7/1/21	Transfer 2970 bbl from Borgstedt OL 3-H	7/8/21		7/15/21	
	7/2/21	Lost 144 bbl of mud cutting retention /19 bbl loses running over shakers	7/9/21		7/16/21	
	7/3/21		7/10/21		7/17/21	
	7/4/21		7/11/21		7/18/21	
	7/5/21		7/12/21		7/19/21	
	7/6/21		7/13/21		7/20/21	
	7/7/21		7/14/21		7/21/21	

OUTSOURCE FLUID SOLUTIONS LLC.

Grand Totals		
	Date	7/21/21
		Wed
	Bit Size	
	Starting Depth	
	Ending Depth	
1,465	Footage Drilled	-
139	New Hole Vol.	-
	Starting System Volume	2,848
4	Chemical Additions	
38	Base Fluid Added	
-	Barite Increase	
-	Weighted Mud Added	
-	Slurry Added	
-	Water Added	
-	Added for Washout	
42	Total Additions	-
-	Surface Losses	
-	Formation Loss	
144	Mud Loss to Cuttings	
20	Unrecoverable Volume	
-	Centrifuge Losses	
164	Total Losses	-
-	Mud Transferred Out	
2,848	Ending System Volume	2,848
-	Mud Recovered	

2,970

7/2/2021 **Report 4 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

11.1° **6,931' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**		**7,027 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**		**DRILLING**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Collinson/Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**683 gpm**	**3,974 psi**

MUD PROPERTY SPECIFICATIONS

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

MUD VOLUME (BBL)

In Pits	566 bbl
In Hole	576 bbl
Active	1142 bbl
Storage	1968 bbl
Tot. on Location	3110 bbl

PUMP #1		**PUMP #2**		**RISER BOOSTER**	
Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
Stroke	12	Stroke	12	Stroke	12
bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
stk/min	104	stk/min	109	stk/min	
gal/min	333	gal/min	349	gal/min	

MUD PROPERTIES

Time Sample Taken	1:00		14:00
Sample Location	suction		suction
Flowline Temperature °F	140 °F		160 °F
Depth (ft)	4,180'		7,027'
Mud Weight (ppg)	9.0		9.3
Funnel Vis (sec/qt) @ 100 °F	48		43
600 rpm	32		35
300 rpm	20		23
200 rpm	16		18
100 rpm	10		13
6 rpm	7		8
3 rpm	6		6
Plastic Viscosity (cp) @ 150 °F	12		12
Yield Point (lb/100 ft²) T0 = 5	8		11
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/11		7/12
Gel Strength (lb/100 ft2) 30 min	12		16
HTHP Filtrate (cm/30 min) @ 250 °F	5.8		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	8%		9%
Corrected Solids (vol%)	5.1%		6.2%
Retort Oil Content	62%		63%
Retort Water Content	30%		28%
O/W Ratio	67:33		69:31
Whole Mud Chlorides (mg/L)	72,000		70,000
Water Phase Salinity (ppm)	273,435		281,620
Whole Mud Alkalinity, Pom	2.2		3.0
Excess Lime (lb/bbl)	2.9 ppb		3.9 ppb
Electrical Stability (volts)	345 v		385 v
Average Specific Gravity of Solids	2.87		3.18
Percent Low Gravity Solids	3.6%		3.3%
ppb Low Gravity Solids	29 ppb		27 ppb
Percent Barite	1.5%		2.9%
ppb Barite	22 ppb		42 ppb
Estimated Total LCM in System			
Sample Taken By	E. Sanchez		A. Roman

CIRCULATION DATA

Mud Wt. = 9.0 PV=12 YP=8 n = 0.678 K = 148.6

Bit Depth = 7,027 ' Washout = 2% Pump Efficiency = 95%

Drill String Disp.					
62.3 bbl	Volume to Bit	118.5 bbl	Strokes To Bit	1,553	Time To Bit 7 min
	Bottoms Up Vol.	457.4 bbl	BottomsUp Stks	5,993	BottomsUp Time 28 min
	TotalCirc.Vol.	1141.9 bbl	TotalCirc.Stks	14,964	Total Circ. Time 70 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	4,462'	
DP / AGI.	5.000	4.276	1,996'	4,462'
Hevi Wt	5.000	2.500	271'	6,458'
Dir. BHA	7.750	2.750	298'	6,729'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	8.990	2,715'	
Open Hole Size	10.073		7,027'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
8.99x5	2,715'	299.7	turb	9.32
10.073x5	4,462'	218.8	lam	9.26
10.073x5	6,458'	218.8	lam	9.23
10.073x5	6,729'	218.8	lam	9.23
10.073x7.75	7,027'	404.1	turb	9.26

BIT DATA Manuf./Type SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,715 ft	4.0	1,321 ft	330.3

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	140	
Desander		
Desilter		
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2847.8
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Est. Total on Location	2847.8
Est. Losses/Gains (-)/(+)	262.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.90	174 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
467 lbs	147			

Motor/MWD	Calc. Circ. Pressure
250 psi	1,854 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Over the past 12 hours: Continue drilling ahead with 2 mud pumps. One mud pump down for repairs. Maintain Pump Rate 684gal/min / 300-500ROP. Start preventive sweeps (LCM: MagmaFiber/NewCarb/NewPhalt) Pumping 10bbls every 300' or as requested. Upon Sweeps returns, increase in cuttings and solids, causing shakers to be blinded and Mud running over. Recover 50% with vacc truck and pump back over the shakers. Additions of Diesel for dilution and Centrifuge application for solids removal maintained while drilling. At this time: continue working on mud Pump, drilling ahead.

07/03/21 **Report #5**

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

OUTSOURCE FLUID SOLUTIONS LLC.

11.1° **8,965' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**4,920 ft**	**9,100 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**223 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Collinson/Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**872 gpm**	**5,009 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±275K**	**<10 <20**	**<10**
				7/3/21		7/2/21
Time Sample Taken				1:00		14:00
Sample Location				suction		suction
Flowline Temperature °F				162 °F		160 °F
Depth (ft)				9,100'		7,027'
Mud Weight (ppg)				9.5		9.3
Funnel Vis (sec/qt)			@ 100 °F	46		43
600 rpm				32		35
300 rpm				21		23
200 rpm				18		18
100 rpm				12		13
6 rpm				7		8
3 rpm				6		6
Plastic Viscosity (cp)			@ 150 °F	11		12
Yield Point (lb/100 ft²)			T0 = 5	10		11
Gel Strength (lb/100 ft²)			10 sec/10 min	6/9		7/12
Gel Strength (lb/100 ft^2)			30 min	14		16
HTHP Filtrate (cm/30 min)			@ 250 °F	6.2		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				11%		9%
Corrected Solids (vol%)				8.1%		6.2%
Retort Oil Content				61%		63%
Retort Water Content				28%		28%
O/W Ratio				69:31		69:31
Whole Mud Chlorides (mg/L)				71,000		70,000
Water Phase Salinity (ppm)				284,499		281,620
Whole Mud Alkalinity, Pom				2.7		3.0
Excess Lime (lb/bbl)				3.5 ppb		3.9 ppb
Electrical Stability (volts)				378 v		385 v
Average Specific Gravity of Solids				2.91		3.18
Percent Low Gravity Solids				5.5%		3.3%
ppb Low Gravity Solids				45 ppb		27 ppb
Percent Barite				2.6%		2.9%
ppb Barite				37 ppb		42 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				E. Sanchez	0	A. Roman

MUD VOLUME (BBL)

In Pits	525 bbl
In Hole	767 bbl
Active	1292 bbl
Storage	1432 bbl
Tot. on Location	2724 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	136
gal/min	436

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	136
gal/min	436

RISER BOOSTER

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	0
gal/min	0

PHHP = 2548 **CIRCULATION DATA** n = 0.608 K = 242.063

Bit Depth = 9,100 ' Washout = 2% Pump Efficiency = 95%

Drill String Disp.							
75.8 bbl	Volume to Bit	155.4 bbl	Strokes To Bit	2,036	Time To Bit	7 min
	Bottoms Up Vol.	611.3 bbl	BottomsUp Stks	8,011	BottomsUp Time	29 min
	TotalCirc.Vol.	1291.7 bbl	TotalCirc.Stks	16,927	Total Circ. Time	62 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	6,535'	0'
DP / AGI.	5.000	4.276	1,996'	6,535'
Hevi Wt	5.000	2.500	271'	8,531'
Dir. BHA	7.750	2.750	298'	8,802'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	8.990	2,715'	0'
				0'

Open Hole Size 10.073 9,100'

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
8.99x5	2,715'	382.8	turb	10.18
10.073x5	6,535'	279.4	turb	10.08
10.073x5	8,531'	279.4	turb	10.17
10.073x5	8,802'	279.4	turb	10.34
10.073x7.75	9,100'	516.1	turb	10.54

BIT DATA Manuf./Type SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,715 ft	22.0	4,920 ft	223.6

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	140	
Desander		
Desilter		
Centrifuge 1		8.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2847.8
Transferred In(+)/Out(-)	
Oil Added (+)	210.7
Barite Added (+)	0.0
Other Product Usage (+)	9.1
Water Added (+)	
Left on Cuttings (-)	-242.4
Non-Recoverable Vol. (-)	-101.5
Est. Total on Location	2723.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.99	299 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
805 lbs	188			

Motor/MWD	Calc. Circ. Pressure
250 psi	3,142 psi

Remarks/Recommendations:

OBM Transfer in: 2,970 bbl 9.3ppg

Surface OBM Active and Storage: 1,957 bbl @ 9.3 ppg

Rig Activity:

Continue to drill from 4,180' to 6,124'. Perform rig repair on mud pump. Resume drilling from 6,124' to 9,100'. Running centrifuge as needed to mantain mud weight/ LGS. Pumping 12 ppb LCM sweeps as needed. Gradually increasing mud weight from 9.1ppg to 9.4ppg. Building 14 degree tangent by T.D. Continue to maintain 9.4 ppg MWT. Average ROP 223 ft/hr, SPP: 5,009psi, GPM: 872 gpm

Eng. 1:	Adolfo Roman	Eng. 2:	Edgar Sanchez	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	956-821-9994	Phone:	956-693-3035	Phone:	432-686-7361	Phone:	-	

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

	Daily Total	Cumulative Cost
	$13,463.59	**$29,859.48**
INCLUDING 3RD PARTY CHARGES	**$34,336.07**	**$61,613.32**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/03/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	16		16				
CACL2 (50)	50# sk	$14.32	280		230	50	$716.00	50	$716.00
LIME (50)	50# sk	$5.00	212		200	12	$60.00	62	$310.00
OPTI - G	50# sk	$30.59	180		160	20	$611.80	20	$611.80
BENTONE 38 (50)	50# sk	$163.94	32		32				
BENTONE 910 (50)	50# sk	$59.40	64		58	6	$356.40	12	$712.80
BENTONE 990 (50)	50# sk	$83.59	59		53	6	$501.54	12	$1,003.08
OPTI - MUL	gal	$10.75	385		330	55	$591.25	110	$1,182.50
OPTI - WET	gal	$8.34	385		385			55	$458.70
NEW PHALT	50# sk	$38.72	180		175	5	$193.60	5	$193.60
OIL SORB (25)	25# sk	$4.75	76		76				
NEW CARB (M)	50# sk	$5.25	220		210	10	$52.50	10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05	268		258	10	$280.50	10	$280.50
NEW PLUG M	50# sk	$10.51	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	78		78				
BARITE BULK (100)	100# sk	$7.00	1001		1001				
OPTI DRILL (OBM)	bbl	$65.00	2848		2724	124	$8,060.00	246	$15,990.00
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	6	$5,940.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	6	$180.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$1.98							
TRUCKING (min)	each	$650.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $13,463.59		Cumulative Total $29,859.48			$29,859.48	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/03/21	**MAGNOLIA OIL & GAS**	**BORGSTEDT OL 2H**	**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 SUPER CEAL	25# sk	$80.00	320		320				
DIESEL TRANSFER F/3H	gal	$2.38	10400		4704	5696	$13,556.48	10268	$24,437.84
DIESEL RECEIVED 7/1/21	gal	$2.36	3100			3100	$7,316.00	3100	$7,316.00
DIESEL RECEIVED 7/2/21	gal	$2.38		7200	7200				

Daily Sub-Total $20,872.48 | **$31,753.84**

Cumulative Total AES & 3rd Party $61,613.32

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BORGSTEDT OL 2H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/2/21	7/3/21	7/4/21	7/5/21	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
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8																			
	Starting Depth	2,715	4,180	9,100																		
	Ending Depth	4,180	9,100																			
6,385	Footage Drilled	1,465	4,920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
605	New Hole Vol.	139	466	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,970	2,848	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724
13	Chemical Additions	4	9																			
248	Base Fluid Added	38	211																			
-	Barite Increase	-																				
-	Weighted Mud Added	-																				
-	Slurry Added	-																				
-	Water Added	-																				
-	Added for Washout																					
261	Total Additions	42	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
386	Mud Loss to Cuttings	144	242																			
122	Unrecoverable Volume	20	102																			
-	Centrifuge Losses																					
508	Total Losses	164	344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,724	Ending System Volume	2,848	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724
-	Mud Recovered																					

2,970

Comments:		Comments:	Comments:
7/2/21	Transfer 2970 bbl from Borgstedt OL 3-H Lost 144 bbl of mud cutting retention /19 bbl loses running over shakers	7/9/21	7/16/21
7/3/21	Lost 242 bbl cutting retention, Lost 102 bbl centrifuge/over shakers	7/10/21	7/17/21
7/4/21		7/11/21	7/18/21
7/5/21		7/12/21	7/19/21
7/6/21		7/13/21	7/20/21
7/7/21		7/14/21	7/21/21
7/8/21		7/15/21	7/22/21

7/3/2021 **Report 5 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

1.7° **9,626' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**		**9,706 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**		**Drilling**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Collinson/Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**686 gpm**	**3,374 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±280K**	**<10 <20**	**<10**

MUD PROPERTIES

Time Sample Taken	1:00		13:00
Sample Location	suction		suction
Flowline Temperature °F	162 °F		165 °F
Depth (ft)	9,100'		9,691'
Mud Weight (ppg)	9.5		9.4
Funnel Vis (sec/qt) @ 130 °F	46		41
600 rpm	32		33
300 rpm	21		21
200 rpm	18		16
100 rpm	12		11
6 rpm	7		6
3 rpm	6		4
Plastic Viscosity (cp) @ 150 °F	11		12
Yield Point (lb/100 ft²) T0 = 5	10		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/9		6/11
Gel Strength (lb/100 ft2) 30 min	14		14
HTHP Filtrate (cm/30 min) @ 250 °F	6.2		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	11%		10%
Corrected Solids (vol%)	8.1%		7.2%
Retort Oil Content	61%		63%
Retort Water Content	28%		27%
O/W Ratio	69:31		70:30
Whole Mud Chlorides (mg/L)	71,000		70,000
Water Phase Salinity (ppm)	284,499		289,036
Whole Mud Alkalinity, Pom	2.7		1.7
Excess Lime (lb/bbl)	3.5 ppb		2.2 ppb
Electrical Stability (volts)	378 v		435 v
Average Specific Gravity of Solids	2.91		3.12
Percent Low Gravity Solids	5.5%		4%
ppb Low Gravity Solids	45 ppb		33 ppb
Percent Barite	2.6%		3.2%
ppb Barite	37 ppb		45 ppb
Estimated Total LCM in System			
Sample Taken By	E. Sanchez		A. Roman

MUD VOLUME (BBL)

In Pits	525 bbl
In Hole	822 bbl
Active	1347 bbl
Storage	1432 bbl
Tot. on Location	2779 bbl

PUMP #1		PUMP #2		RISER BOOSTER	
Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
Stroke	12	Stroke	12	Stroke	12
bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
stk/min	105	stk/min	109	stk/min	
gal/min	337	gal/min	349	gal/min	

Mud Wt. = 9.5 PV=11 YP=10 **CIRCULATION DATA** n = 0.608 K = 242.1

Bit Depth = 9,706 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.							
79.8 bbl	Volume to Bit	166.1 bbl	Strokes To Bit	2,177	Time To Bit	10 min
	Bottoms Up Vol.	656.4 bbl	BottomsUp Stks	8,601	BottomsUp Time	40 min
	TotalCirc.Vol.	1347.5 bbl	TotalCirc.Stks	17,658	Total Circ. Time	83 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	7,141'	
DP / AGI.	5.000	4.276	1,996'	7,141'
Hevi Wt	5.000	2.500	271'	9,137'
Dir. BHA	7.750	2.750	298'	9,408'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	8.990	2,715'	
Open Hole Size	10.073		9,706'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
8.99x5	2,715'	301.2	turb	9.83
10.073x5	7,141'	219.8	lam	9.75
10.073x5	9,137'	219.8	lam	9.73
10.073x5	9,408'	219.8	lam	9.73
10.073x7.75	9,706'	406.0	turb	9.76

BIT DATA Manuf./Type SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,715 ft	22.0	4,920 ft	223.6

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	140	
Desander		
Desilter		
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2723.7
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Est. Total on Location	2723.7
Est. Losses/Gains (-)/(+)	55.8

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.97	185 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
498 lbs	148			

Motor/MWD	Calc. Circ. Pressure
250 psi	2,225 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Over the past 12 hours: Continue drilling ahead on Intermediate section, build 14deg angle and maintain to TD. Increase density to 9.4ppg and maintain up to TD. Once Clean up Cycle circulation starts, will increase to 9.5ppg prior to POOH and Run Casing. Keep LCM sweeps Pumping 10bbls every 300' or as requested. ROP reduced while sliding last 400', set Additions of Diesel at 7sec/qt. for dilution and Centrifuge application for solids removal, change out Shakers screens. At this time: Continue drilling ahead sliding to TD.

07/04/21 **Report #6**

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

OUTSOURCE FLUID SOLUTIONS LLC.

1.7° **9,748' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**728 ft**	**9,828 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**35 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Collinson/Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**878 gpm**	**4,841 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±280K**	**<10 <20**	**<10**
				7/4/21		7/3/21
Time Sample Taken				1:00		13:00
Sample Location				suction		suction
Flowline Temperature °F				165 °F		165 °F
Depth (ft)				9,910'		9,691'
Mud Weight (ppg)				9.5		9.4
Funnel Vis (sec/qt)			@ 130 °F	45		41
600 rpm				32		33
300 rpm				21		21
200 rpm				17		16
100 rpm				11		11
6 rpm				6		6
3 rpm				5		4
Plastic Viscosity (cp)			@ 150 °F	11		12
Yield Point (lb/100 ft²)			T0 = 4	10		9
Gel Strength (lb/100 ft²)			10 sec/10 min	6/10		6/11
Gel Strength (lb/100 ft^2)			30 min	14		14
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				10.4%		10%
Corrected Solids (vol%)				7.6%		7.2%
Retort Oil Content				63.1%		63%
Retort Water Content				26.5%		27%
O/W Ratio				70:30		70:30
Whole Mud Chlorides (mg/L)				69,000		70,000
Water Phase Salinity (ppm)				289,921		289,036
Whole Mud Alkalinity, Pom				1.5		1.7
Excess Lime (lb/bbl)				2 ppb		2.2 ppb
Electrical Stability (volts)				396 v		435 v
Average Specific Gravity of Solids				3.12		3.12
Percent Low Gravity Solids				4.2%		4%
ppb Low Gravity Solids				35 ppb		33 ppb
Percent Barite				3.3%		3.2%
ppb Barite				48 ppb		45 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				E. Sanchez	0	A. Roman

MUD VOLUME (BBL)

In Pits	560 bbl
In Hole	882 bbl
Active	1442 bbl
Storage	1152 bbl
Tot. on Location	2594 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	137
gal/min	439

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	137
gal/min	439

RISER BOOSTER

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	0
gal/min	0

CIRCULATION DATA

PHHP = 2480 | n = 0.608 | K = 242.063

Bit Depth = 9,828 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.							
80.6 bbl	Volume to Bit	168.3 bbl	Strokes To Bit	2,205	Time To Bit	8 min
	Bottoms Up Vol.	713.4 bbl	BottomsUp Stks	9,348	BottomsUp Time	34 min
	TotalCirc.Vol.	1441.7 bbl	TotalCirc.Stks	18,892	Total Circ. Time	69 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	7,263'	0'
DP / AGI.	5.000	4.276	1,996'	7,263'
Hevi Wt	5.000	2.500	271'	9,259'
Dir. BHA	7.750	2.750	298'	9,530'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	2,715'	0'
				0'

Open Hole Size 10.073 9,828'

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	2,715'	290.8	turb	9.76
10.073x5	7,263'	281.5	turb	9.76
10.073x5	9,259'	281.5	turb	9.78
10.073x5	9,530'	281.5	turb	9.81
10.073x7.75	9,828'	519.9	turb	9.87

BIT DATA Manuf./Type SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,715 ft	21.0	728 ft	34.7

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	140	
Desander		
Desilter		
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2723.7
Transferred In(+)/Out(-)	
Oil Added (+)	112.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	-86.1
Non-Recoverable Vol. (-)	-155.9
Est. Total on Location	2593.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
2.03	303 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
817 lbs	189			

Motor/MWD	Calc. Circ. Pressure
250 psi	3,262 psi

Remarks/Recommendations:

OBM Transfer in: 2,970 bbl 9.3ppg

Surface OBM Active and Storage: 1,957 bbl @ 9.3 ppg

Rig Activity:

Drill from 9,100' to 9,626' began sliding/building 14 degree tangent. Continue to drill to 9,828' at report time. Gradually increased MWT to 9.5ppg. Plan ahead is to drill to section T.D.(9,910') pumped two 30 bbl LCM sweeps and circulated around the system. Average ROP 25 ft/hr, SPP: 4,841psi, GPM: 878 gpm

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Adolfo Roman	Edgar Sanchez	MIDLAND	WH #2	
Phone: 956-821-9994	Phone: 956-693-3035	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$11,282.00	**$41,141.48**
INCLUDING 3RD PARTY CHARGES	**$22,477.52**	**$84,090.84**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/04/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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							50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	16		16					
CACL2 (50)	50# sk	$14.32	230		230				50	$716.00
LIME (50)	50# sk	$5.00	200		200				62	$310.00
OPTI - G	50# sk	$30.59	160		160				20	$611.80
BENTONE 38 (50)	50# sk	$163.94	32		32					
BENTONE 910 (50)	50# sk	$59.40	58		58				12	$712.80
BENTONE 990 (50)	50# sk	$83.59	53		53				12	$1,003.08
OPTI - MUL	gal	$10.75	330		330				110	$1,182.50
OPTI - WET	gal	$8.34	385		385				55	$458.70
NEW PHALT	50# sk	$38.72	175		175				5	$193.60
OIL SORB (25)	25# sk	$4.75	76		76					
NEW CARB (M)	50# sk	$5.25	210		210				10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05	258		258				10	$280.50
NEW PLUG M	50# sk	$10.51	80		80					
NEW WATE (SACK BARITE)	100# sk	$11.50	78		78					
BARITE BULK (100)	100# sk	$7.00	1001	400	1401					
OPTI DRILL (OBM)	bbl	$65.00	2724		2594	130	$8,450.00		376	$24,440.00
DISCOUNTED OBM	bbl	$10.00								
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00		8	$7,920.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00		8	$240.00
ENGINEERING (MILES)	each	$1.00								
TRUCKING (cwt)	each	$1.98				400	$792.00		400	$792.00
TRUCKING (min)	each	$650.00								
PALLETS (ea)	each	$12.00								
SHRINK WRAP (ea)	each	$12.00								
			Daily Sub-Total $11,282.00		Cumulative Total $41,141.48				$41,141.48	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/04/21	**MAGNOLIA OIL & GAS**	**BORGSTEDT OL 2H**	**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 SUPER CEAL	25# sk	$80.00	320		320					
DIESEL TRANSFER F/3H	gal	$2.38	4704			4704	$11,195.52		14972	$35,633.36
DIESEL RECEIVED 7/1/21	gal	$2.36							3100	$7,316.00
DIESEL RECEIVED 7/2/21	gal	$2.38	7200		7200					

Daily Sub-Total	**$11,195.52**
	$42,949.36

Cumulative Total AES & 3rd Party $84,090.84

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BORGSTEDT OL 2H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/2/21	7/3/21	7/4/21	7/5/21	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
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8																		
	Starting Depth	2,715	4,180	9,100	9,828																	
	Ending Depth	4,180	9,100	9,828																		
7,113	Footage Drilled	1,465	4,920	728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
674	New Hole Vol.	139	466	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,970	2,848	2,724	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594
13	Chemical Additions	4	9																			
360	Base Fluid Added	38	211	112																		
-	Barite Increase	-																				
-	Weighted Mud Added	-																				
-	Slurry Added	-																				
-	Water Added	-																				
-	Added for Washout																					
373	Total Additions	42	220	112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
471	Mud Loss to Cuttings	144	242	85																		
279	Unrecoverable Volume	20	102	157																		
-	Centrifuge Losses																					
750	Total Losses	164	344	242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,594	Ending System Volume	2,848	2,724	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,594
-	Mud Recovered																					

2,970

Comments:		Comments:	Comments:
7/2/21	Transfer 2970 bbl from Borgstedt OL 3-H Lost 144 bbl of mud cutting retention /19 bbl loses running over shakers	7/9/21	7/16/21
7/3/21	Lost 242 bbl cutting retention, Lost 102 bbl centrifuge/over shakers	7/10/21	7/17/21
7/4/21		7/11/21	7/18/21
7/5/21		7/12/21	7/19/21
7/6/21		7/13/21	7/20/21
7/7/21		7/14/21	7/21/21
7/8/21		7/15/21	7/22/21

7/4/2021 **Report 6 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**	**06/23/21**		**9,906 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**		**Lay Down BHA**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Collinson/Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**		

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±280K**	**<10 <20**	**<10**

MUD PROPERTIES				
Time Sample Taken		1:00		13:00
Sample Location		suction		suction
Flowline Temperature °F		165 °F		165 °F
Depth (ft)		9,910'		9,906'
Mud Weight (ppg)		9.5		9.5
Funnel Vis (sec/qt)	@ 130 °F	45		43
600 rpm		32		31
300 rpm		21		20
200 rpm		17		16
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	10		9
Gel Strength (lb/100 ft²)	10 sec / 10 min	6/10		6/10
Gel Strength (lb/100 ft2)	30 min	14		14
HTHP Filtrate (cm/30 min)	@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		10.4%		11%
Corrected Solids (vol%)		7.6%		8.2%
Retort Oil Content		63.1%		62%
Retort Water Content		26.5%		27%
O/W Ratio		70:30		70:30
Whole Mud Chlorides (mg/L)		69,000		70,000
Water Phase Salinity (ppm)		289,921		289,036
Whole Mud Alkalinity, Pom		1.5		2.0
Excess Lime (lb/bbl)		2 ppb		2.6 ppb
Electrical Stability (volts)		396 v		445 v
Average Specific Gravity of Solids		3.12		2.93
Percent Low Gravity Solids		4.2%		5.5%
ppb Low Gravity Solids		35 ppb		45 ppb
Percent Barite		3.3%		2.7%
ppb Barite		48 ppb		39 ppb
Estimated Total LCM in System				
Sample Taken By		E. Sanchez		A. Roman

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	560 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	970 bbl	Stroke	12	Stroke	12	Stroke	12
Active	560 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	1152 bbl	stk/min		stk/min		stk/min	
Tot. on Location	2682 bbl	gal/min		gal/min		gal/min	

Mud Wt. = 9.5 PV=11 YP=10 **CIRCULATION DATA** n = 0.608 K = 242.1

Washout = 2% Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 560.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276		
DP / AGI.	5.000	4.276		
Hevi Wt	5.000	2.500		
Dir. BHA	7.750	2.750		

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	2,715'	
Open Hole Size	10.073		9,906'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type SPL613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	2,715 ft	21.0	728 ft	34.7	250 psi	250 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	140	
Desander		
Desilter		
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2593.7
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Est. Total on Location	2593.7
Est. Losses/Gains (-)/(+)	88.2

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:

Afternoon Rig Activity:

Over the past 12 hours: Drilled to TD on Intermediate section 9906'MD / 9650'TVD / 15deg Incl. Pump 2 sweeps and circulate hole clean while Increasing density to 9.5ppg. POOH and lay down BHA. Make preparations to rig up Casing running tools and start 7 5/8" Casing run. Maintain Additions of Diesel at 7sec/qt. while drilling and circulating. At this time: Continue POOH laying down Agitators and BHA.

07/05/21 **Report #7**

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

OUTSOURCE FLUID SOLUTIONS LLC.

9.8° **5,045' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**78 ft**	**9,906 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**16 ft/hr**	**Running Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie 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	603 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
8.5-10	**5-20**	**5-12**	**>300**	**±280K**	**<10 <20**	**<10**	In Hole	897 bbl	Stroke	12	Stroke	12	Stroke	12
				7/5/21		7/4/21	Active	1026 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Time Sample Taken				1:00		13:00	Storage	1000 bbl	stk/min	0	stk/min	0	stk/min	0
Sample Location				suction		suction	Tot. on Location	2500 bbl	gal/min	0	gal/min	0	gal/min	0

Flowline Temperature °F			165 °F	PHHP = 0	**CIRCULATION DATA**	n = 0.608 K = 242.063
Depth (ft)	9,906'		9,906'	Bit Depth = 5,100 '	Washout = 2%	Pump Efficiency = 95%
Mud Weight (ppg)	9.5		9.5	Drill String Disp.	Volume to Bit 234.2 bbl	Strokes To Bit / Time To Bit
Funnel Vis (sec/qt) @ 130 °F	50		43		Bottoms Up Vol. 188.9 bbl	BottomsUp Stks / BottomsUp Time
600 rpm	32		31	73.1 bbl	TotalCirc.Vol. 1026.1 bbl	TotalCirc.Stks / Total Circ. Time
300 rpm	21		20	**DRILLING ASSEMBLY DATA**		**SOLIDS CONTROL**
200 rpm	17		16	Tubulars OD (in.) ID (in.) Length Top		Unit Screens Hours
100 rpm	11		11	Casing 7.875 6.875 5,100' 0'		Shaker 1 140
6 rpm	6		6		5,100'	Shaker 2 140
3 rpm	5		5		5,100'	Shaker 3 140
Plastic Viscosity (cp) @ 150 °F	11		11		5,100'	Desander
Yield Point (lb/100 ft²) T0 = 4	10		9	**CASING & HOLE DATA**		Desilter
Gel Strength (lb/100 ft²) 10 sec/10 min	6/10		6/10	Casing OD (in.) ID (in.) Depth Top		Centrifuge 1
Gel Strength (lb/100 ft²) 30 min	14		14	Riser		**VOLUME ACCOUNTING (bbls)**
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0	Surface 10 3/4 9.950 2,715' 0'		Prev. Total on Location 2593.7
HTHP Cake Thickness (32nds)	2.0		2.0		0'	Transferred In(+)/Out(-)
Retort Solids Content	11%		11%			Oil Added (+) 30.7
Corrected Solids (vol%)	8.2%		8.2%			Barite Added (+) 13.9
Retort Oil Content	62%		62%	Open Hole Size 10.073 9,906'		Other Product Usage (+) 3.5
Retort Water Content	27%		27%	**ANNULAR GEOMETRY & RHEOLOGY**		Water Added (+)
O/W Ratio	70:30		70:30	annular section / meas. depth / velocity ft/min / flow reg / ECD lb/gal		Left on Cuttings (-) -11.5
Whole Mud Chlorides (mg/L)	69,000		70,000			Non-Recoverable Vol. (-) -130.4
Water Phase Salinity (ppm)	286,088		289,036			
Whole Mud Alkalinity, Pom	1.9		2.0	9.95x7.875 2,715' 0.0 lam 9.50		Est. Total on Location 2499.9
Excess Lime (lb/bbl)	2.5 ppb		2.6 ppb	10.073x7.875 5,100' 0.0 lam 9.50		Est. Losses/Gains (-)/(+) 0.0
Electrical Stability (volts)	398 v		445 v			**BIT HYDRAULICS DATA**
Average Specific Gravity of Solids	2.94		2.93			Bit H.S.I. / Bit ΔP / Nozzles (32nds)
Percent Low Gravity Solids	5.4%		5.5%			0.00 psi 14 14 14
ppb Low Gravity Solids	44 ppb		45 ppb			Bit Impact Force / Nozzle Velocity (ft/sec) 14 14 14
Percent Barite	2.8%		2.7%			16 16 16
ppb Barite	40 ppb		39 ppb	**BIT DATA** Manuf./Type SPL613		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	A. Roman	9 7/8 / 2,715 ft / 5.0 / 78 ft / 15.6		250 psi

Remarks/Recommendations:

OBM Transfer in: 2,970 bbl 9.3ppg

Surface OBM Active and Storage: 1,957 bbl @ 9.3 ppg

Rig Activity:

Drilled from 9,828' to section T.D. 9,906'. Pumped two 30 bbl LCM sweeps and circulated around the system. Checked for flow, no flow pumped slug and POOH to surface. L/D BHA and cleaned rig floor. R/U and Held S/M with casing crew. Began running 7.625" casing to 5,100' at report time. Plan ahead is to finish running casing to bottom 9,906' and begin cement operations.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Adolfo Roman	Edgar Sanchez	MIDLAND	WH #2	
Phone: 956-821-9994	Phone: 956-693-3035	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$10,426.80	**$51,568.28**
INCLUDING 3RD PARTY CHARGES	**$13,497.00**	**$97,587.84**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/05/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	16		16				
CACL2 (50)	50# sk	$14.32	230		230			50	$716.00
LIME (50)	50# sk	$5.00	200		150	50	$250.00	112	$560.00
OPTI - G	50# sk	$30.59	160		160			20	$611.80
BENTONE 38 (50)	50# sk	$163.94	32		32				
BENTONE 910 (50)	50# sk	$59.40	58		58			12	$712.80
BENTONE 990 (50)	50# sk	$83.59	53		53			12	$1,003.08
OPTI - MUL	gal	$10.75	330		330			110	$1,182.50
OPTI - WET	gal	$8.34	385		385			55	$458.70
NEW PHALT	50# sk	$38.72	175		175			5	$193.60
OIL SORB (25)	25# sk	$4.75	76		76				
NEW CARB (M)	50# sk	$5.25	210		210			10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05	258		242	16	$448.80	26	$729.30
NEW PLUG M	50# sk	$10.51	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	78		40	38	$437.00	38	$437.00
BARITE BULK (100)	100# sk	$7.00	1401		1238	163	$1,141.00	163	$1,141.00
OPTI DRILL (OBM)	bbl	$65.00	2594		2500	94	$6,110.00	470	$30,550.00
DISCOUNTED OBM	bbl	$10.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	10	$9,900.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	10	$300.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$1.98						400	$792.00
TRUCKING (min)	each	$650.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $10,426.80		Cumulative Total $51,568.28			$51,568.28	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/05/21	**MAGNOLIA OIL & GAS**	**BORGSTEDT OL 2H**	**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 SUPER CEAL	25# sk	$80.00	320		320					
DIESEL TRANSFER F/3H	gal	$2.38							14972	$35,633.36
DIESEL RECEIVED 7/1/21	gal	$2.36							3100	$7,316.00
DIESEL RECEIVED 7/2/21	gal	$2.38	7200		5910	1290	$3,070.20		1290	$3,070.20
DIESEL RECEIVED 7/4/21	gal	$2.38		7200	7200					
								Daily Sub-Total	**$3,070.20**	**$46,019.56**

Cumulative Total AES & 3rd Party $97,587.84

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BORGSTEDT OL 2H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/2/21	7/3/21	7/4/21	7/5/21	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
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8																	
	Starting Depth	2,715	4,180	9,100	9,828	9,906																
	Ending Depth	4,180	9,100	9,828	9,906																	
7,191	Footage Drilled	1,465	4,920	728	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
682	New Hole Vol.	139	466	69	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,970	2,848	2,724	2,594	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
17	Chemical Additions	4	9		4																	
391	Base Fluid Added	38	211	112	31																	
14	Barite Increase	-			14																	
-	Weighted Mud Added	-																				
-	Slurry Added	-																				
-	Water Added	-																				
-	Added for Washout																					
422	Total Additions	42	220	112	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
483	Mud Loss to Cuttings	144	242	85	12																	
409	Unrecoverable Volume	20	102	157	130																	
-	Centrifuge Losses																					
892	Total Losses	164	344	242	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,500	Ending System Volume	2,848	2,724	2,594	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
-	Mud Recovered																					

2,970

Comments:		Comments:	Comments:
7/2/21	Transfer 2970 bbl from Borgstedt OL 3-H Lost 144 bbl of mud cutting retention /19 bbl loses running over shakers	7/9/21	7/16/21
7/3/21	Lost 242 bbl cutting retention, Lost 102 bbl centrifuge/over shakers	7/10/21	7/17/21
7/4/21		7/11/21	7/18/21
7/5/21		7/12/21	7/19/21
7/6/21		7/13/21	7/20/21
7/7/21		7/14/21	7/21/21
7/8/21		7/15/21	7/22/21

7/5/2021 **Report 7 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**	**06/23/21**		**9,906 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**		**Cement/Nipple DN**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Jessie Collinson/Jim Harrison	**Tool Pusher**	**GIDDINGS AC**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±280K**	**<10 <20**	**<10**

MUD PROPERTIES

Time Sample Taken	1:00		13:00
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	9,906'		9,906'
Mud Weight (ppg)	9.5		9.4
Funnel Vis (sec/qt) @ 130 °F	50		48
600 rpm	32		33
300 rpm	21		21
200 rpm	17		16
100 rpm	11		12
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	11		12
Yield Point (lb/100 ft²) T0 = 4	10		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/10		6/11
Gel Strength (lb/100 ft2) 30 min	14		14
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	11%		10%
Corrected Solids (vol%)	8.2%		7.3%
Retort Oil Content	62%		63%
Retort Water Content	27%		27%
O/W Ratio	70:30		70:30
Whole Mud Chlorides (mg/L)	69,000		68,000
Water Phase Salinity (ppm)	286,088		283,115
Whole Mud Alkalinity, Pom	1.9		1.5
Excess Lime (lb/bbl)	2.5 ppb		2 ppb
Electrical Stability (volts)	398 v		485 v
Average Specific Gravity of Solids	2.94		3.06
Percent Low Gravity Solids	5.4%		4.3%
ppb Low Gravity Solids	44 ppb		36 ppb
Percent Barite	2.8%		2.9%
ppb Barite	40 ppb		42 ppb
Estimated Total LCM in System			
Sample Taken By	E. Sanchez		A. Roman

MUD VOLUME (BBL)

In Pits	584 bbl
In Hole	455 bbl
Active	584 bbl
Storage	1000 bbl
Tot. on Location	2039 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=11 YP=10 **CIRCULATION DATA** n = 0.608 K = 242.1

Washout = 2% Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 584.0 bbl	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				
Surface	10 3/4		2,715'	
Int. Csg.	7 5/8	6.875	9,895'	
Open Hole Size	10.073		9,906'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,715 ft	5.0	78 ft	15.6

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	140	
Desander		
Desilter		
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2500.0
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Est. Total on Location	2500.0
Est. Losses/Gains (-)/(+)	-460.6

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

Motor/MWD 250 psi Calc. Circ. Pressure 250 psi

Afternoon Remarks/Recommendations:

(40bbl Spacer 10.5# / 304bbl Lead 11.8# / 78bbl Tail 16.2#)

Afternoon Rig Activity:

Over the past 12 hours: Run 7 5/8" Casing to bottom with no problems. Set circulation rate at 330gal/min and circulated 1.5 casing capacity. Switch operations to Cement. Rig up Cementing tools and pump cement, Displace same with 450bbl of 9# from storage. Full returns while cementing, Discharge 10-15bbls of OBM Spacer interface + 40bbl spacer. No cement noted at the shakers. Cement job completed, flush lines and BOP's with Fresh water /soap/sugar, prepare to secure well after testing casing. At this time: Securing well, decrease MW in active system to 9# for next well (Disel and Centrifuge).

08/07/21 **Report #9**

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**	**06/23/21**	**0 ft**	**9,906 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**0 ft/hr**	**P/U BHA**
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							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	600 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.5-10	**5-20**	**5-12**	**>300**	**±280K**	**<10 <20**	**<10**	In Hole	449 bbl	Stroke	12	Stroke	12	Stroke	
				8/7/21			Active	600 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				0:05			Storage	1545 bbl	stk/min	0	stk/min	0	stk/min	0
Sample Location				suction			Tot. on Location	2594 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.652	K = 183.523
Depth (ft)				9,906'			Bit Depth = '		Washout = 2%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.1			Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)		@ 130 °F		46				Bottoms Up Vol. 0.0 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				33			0.0 bbl	TotalCirc.Vol. 600.0 bbl	TotalCirc.Stks				Total Circ. Time	
300 rpm				21			**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				16			Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				11			Drill Pipe	4.500	3.826	0'	0'		Shaker 1	API 200's	
6 rpm				5			DP / AGI.	5.370	2.562		0'		Shaker 2	API 200's	
3 rpm				4			Drill Pipe	4.500	3.826		0'		Shaker 3	API 200's	
Plastic Viscosity (cp)		@ 150 °F		12			Dir. BHA	5.145	2.506		0'		Cuttings Dryer	API 140's	
Yield Point (lb/100 ft²)		T0 = 3		9			**CASING & HOLE DATA**							
Gel Strength (lb/100 ft²)		10 sec/10 min		5/8			Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1	
Gel Strength (lb/100 ft^2)		30 min		12			Riser						**VOLUME ACCOUNTING (bbls)**	
HTHP Filtrate (cm/30 min)		@ 250 °F		8.0			Surface	10 3/4		2,715'	0'		Prev. Total on Location	449.5
HTHP Cake Thickness (32nds)				2.0			Int. Csg.	7 5/8	6.830	9,893'	0'		Transferred In(+)/Out(-)	2116.0
Retort Solids Content				9%									Oil Added (+)	7.4
Corrected Solids (vol%)				6.2%									Barite Added (+)	0.0
Retort Oil Content				62%			Open Hole Size		6.885	9,906'			Other Product Usage (+)	11.7
Retort Water Content				29%			**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	9.3
O/W Ratio				68:32			annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	0.0
Whole Mud Chlorides (mg/L)				70,000										
Water Phase Salinity (ppm)				274,575										
Whole Mud Alkalinity, Pom				2.5									Est. Total on Location	2593.9
Excess Lime (lb/bbl)				3.3 ppb									Est. Losses/Gains (-)/(+)	0.0
Electrical Stability (volts)				415 v									**BIT HYDRAULICS DATA**	
Average Specific Gravity of Solids				2.77									Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Percent Low Gravity Solids				4.7%									0.00 psi	18 18 18
ppb Low Gravity Solids				38 ppb									Bit Impact Force / Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				1.5%										
ppb Barite				21 ppb			**BIT DATA**		Manuf./Type				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	9,906 ft						

Remarks/Recommendations:

Skid Vol. 2116bbl

Rig Activity:

Skid over and N/U test BOP. Finished R/U and cut drill line. Began P/U BHA at report time. Dressed shaker #2 with API 200's. Cut back MWT from 9.6ppg to 9.1ppg with diesel additions. Pre-Treat active system while R/U. Plan ahead is to TIH to bottom 9,906' begin drilling 6 3/4'' hole section.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Robert Bowlin	Edgar Sanchez	MIDLAND	WH #2	
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$7,483.11	**$63,276.39**
INCLUDING 3RD PARTY CHARGES	**$7,947.11**	**$112,130.43**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/07/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36		46	46				
CAUSTIC SODA (50)	50# sk	$27.76		32	32				
CACL2 (50)	50# sk	$14.32		404	336	68	$973.76	118	$1,689.76
LIME (50)	50# sk	$5.00		325	275	50	$250.00	162	$810.00
OPTI - G	50# sk	$30.59		185	165	20	$611.80	40	$1,223.60
BENTONE 38 (50)	50# sk	$163.94		55	50	5	$819.70	5	$819.70
BENTONE 910 (50)	50# sk	$59.40						12	$712.80
BENTONE 990 (50)	50# sk	$83.59		105	95	10	$835.90	22	$1,838.98
OPTI - MUL	gal	$10.75		495	440	55	$591.25	165	$1,773.75
OPTI - WET	gal	$8.34		440	385	55	$458.70	110	$917.40
NEW PHALT	50# sk	$38.72		115	115			5	$193.60
OIL SORB (25)	25# sk	$4.75		92	92				
NEW CARB (M)	50# sk	$5.25		133	133			10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05		144	144			26	$729.30
NEW PLUG M	50# sk	$10.51		70	70				
NEW WATE (SACK BARITE)	100# sk	$11.50		120	120			38	$437.00
BARITE BULK (100)	100# sk	$7.00		1270	1270			163	$1,141.00
OPTI DRILL (OBM)	bbl	$65.00	450	2116	2566			535	$34,775.00
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							
TRUCKING (cwt)	each	$1.98						400	$792.00
TRUCKING (min)	each	$650.00				1	$650.00	1	$650.00
PALLETS (ea)	each	$12.00				11	$132.00	11	$132.00
SHRINK WRAP (ea)	each	$12.00				10	$120.00	10	$120.00
		Daily Sub-Total $7,483.11			**Cumulative Total $63,276.39**			**$63,276.39**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/07/21	**MAGNOLIA OIL & GAS**	**BORGSTEDT OL 2H**	**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		240	240				
SB SUPER CEAL	25# sk	$80.00		253	253				
Clements WBM	bbl	$45.36		149	149				
DIESEL TRANSFER F/3H	gal	$2.38						14972	$35,633.36
DIESEL RECEIVED 7/1/21	gal	$2.36						3100	$7,316.00
DIESEL RECEIVED 7/2/21	gal	$2.38						2286	$5,440.68
DIESEL RECEIVED 7/4/21	gal	$2.38							
Skid Vol. 8_6_21	gal	$2.32		7200	7000	200	$464.00	200	$464.00
OBM_D 8_6_21	gal	$2.28		7199	7199				
					Daily Sub-Total		**$464.00**		**$48,854.04**

Cumulative Total AES & 3rd Party $112,130.43

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator: MAGNOLIA OIL & GAS
Rig Name: 285
Well Name: BORGSTEDT OL 2H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/2/21	7/3/21	7/4/21	7/5/21	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
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
	Starting Depth	2,715	4,180	9,100	9,828	9,906	9,906															
	Ending Depth	4,180	9,100	9,828	9,906	9,906																
7,191	Footage Drilled	1,465	4,920	728	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
682	New Hole Vol.	139	466	69	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,970	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
28	Chemical Additions	4	9		4	-																
422	Base Fluid Added	38	211	112	31	24																
14	Barite Increase	-			14	-																
2,116	Weighted Mud Added	-				-																
-	Slurry Added	-				-																
9	Water Added	-				-																
-	Added for Washout					-																
2,590	Total Additions	42	220	112	48	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	Surface Losses					50																
24	Formation Loss					24																
483	Mud Loss to Cuttings	144	242	85	12	-																
409	Unrecoverable Volume	20	102	157	130	-																
15	Centrifuge Losses					15																
981	Total Losses	164	344	242	142	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,985	Mud Transferred Out					1,985																
2,594	Ending System Volume	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
-	Mud Recovered																					

3,101

Comments:		Comments:	Comments:
7/2/21	Transfer 2970 bbl from Borgstedt OL 3-H Lost 144 bbl of mud cutting retention /19 bbl loses running over shakers	7/9/21	7/16/21
7/3/21	Lost 242 bbl cutting retention, Lost 102 bbl centrifuge/over shakers	7/10/21	7/17/21
7/4/21		7/11/21	7/18/21
7/5/21		7/12/21	7/19/21
7/6/21	Transfer report, to BOONE C-1H. Losses reflect cementing and casing run losse. Centrifuge application to reduce MW to 9#. Transfer 1985bbl to Boone C-1H.450bbls left inside casing.	7/13/21	7/20/21
7/7/21		7/14/21	7/21/21
7/8/21		7/15/21	7/22/21

8/7/2021 **Report 9 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

33.9° **10,119' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**331 ft**	**10,237 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**127 ft/hr**	**Drlg Build Section**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**357 gpm**	**3,693 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±280K**	**<10 <20**	**<10**

MUD PROPERTIES				
Time Sample Taken		0:05		14:30
Sample Location		suction		suction
Flowline Temperature °F				149 °F
Depth (ft)		9,906'		10,180'
Mud Weight (ppg)		9.1		9.0
Funnel Vis (sec/qt)	@ 130 °F	46		45
600 rpm		33		33
300 rpm		21		21
200 rpm		16		16
100 rpm		11		9
6 rpm		5		5
3 rpm		4		4
Plastic Viscosity (cp)	@ 150 °F	12		12
Yield Point (lb/100 ft²)	T0 = 3	9		9
Gel Strength (lb/100 ft²)	10 sec / 10 min	5/8		6/8
Gel Strength (lb/100 ft2)	30 min	12		11
HTHP Filtrate (cm/30 min)	@ 250 °F	8.0		6.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		9%		8%
Corrected Solids (vol%)		6.2%		5%
Retort Oil Content		62%		62.5%
Retort Water Content		29%		29.5%
O/W Ratio		68:32		68:32
Whole Mud Chlorides (mg/L)		70,000		75,000
Water Phase Salinity (ppm)		274,575		285,033
Whole Mud Alkalinity, Pom		2.5		1.8
Excess Lime (lb/bbl)		3.3 ppb		2.3 ppb
Electrical Stability (volts)		415 v		445 v
Average Specific Gravity of Solids		2.77		2.86
Percent Low Gravity Solids		4.7%		3.5%
ppb Low Gravity Solids		38 ppb		29 ppb
Percent Barite		1.5%		1.4%
ppb Barite		21 ppb		21 ppb
Estimated Total LCM in System				
Sample Taken By		E. Sanchez		R. Bowlin

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER
In Pits	639 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size
In Hole	406 bbl	Stroke	12	Stroke	12	Stroke
Active	1045 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk
Storage	1545 bbl	stk/min	68	stk/min	68	stk/min
Tot. on Location	2590 bbl	gal/min	178	gal/min	178	gal/min

Mud Wt. = 9.1 PV=12 YP=9 **CIRCULATION DATA** n = 0.652 K = 183.5

Bit Depth = 10,237 ' Washout = 2% Pump Efficiency = 95%

Drill String Disp.					
58.0 bbl	Volume to Bit	144.3 bbl	Strokes To Bit	2,311	Time To Bit 17 min
	Bottoms Up Vol.	261.8 bbl	BottomsUp Stks	4,191	BottomsUp Time 31 min
	TotalCirc.Vol.	1045.2 bbl	TotalCirc.Stks	16,732	Total Circ. Time 123 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	4,299'	
DP / AGI.	5.370	2.562	21'	4,299'
Drill Pipe	4.500	3.826	5,786'	4,320'
Dir. BHA	5.145	2.506	131'	10,106'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,715'	
Int. Csg.	7 5/8	6.830	9,893'	
Open Hole Size	6.885		10,237'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.83x4.5	4,299'	331.3	turb	9.97
6.83x5.37	4,320'	491.0	turb	10.09
6.83x4.5	9,893'	331.3	turb	10.07
6.885x4.5	10,106'	322.1	turb	10.19
6.885x5.145	10,237'	417.8	turb	10.32

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	9,906 ft	5.5	331 ft	60.2

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2593.9
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	-15.2
Est. Total on Location	2578.7
Est. Losses/Gains (-)/(+)	11.5

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.28	48 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
129 lbs	77			

Motor/MWD	Calc. Circ. Pressure
1,900 psi	3,099 psi

Afternoon Remarks/Recommendations:

Mw @ 9.0ppg

MWD Temp: 216 Degrees

Diesel @ 2BPH Drill H2O at 1.78BPH to replace evaporation

Afternoon Rig Activity:

Finished TIH to the top of the float at 9,804'MD, drilled shoe track plus 10' of new formation. Performed a FIT to 13.0ppg EMW at 2,040PSI with a 9.0ppg active density. At the time of the afternoon report drilling ahead at 10,237'MD. No viscous sweeps until build section has been landed. Active system was pretreated to account for the wash H2O from the intermediate section cement job. Necessary chemical additions will be made to maintain the drilling fluid within the recommended parameters.

08/08/21 **Report #10**

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

OUTSOURCE FLUID SOLUTIONS LLC.

87.7° **10,342' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**331 ft**	**11,140 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**127 ft/hr**	**Drlg Build Section**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**357 gpm**	**3,693 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±280K**	**<10 <20**	**<10**
				8/7/21		8/7/21
Time Sample Taken				0:05		14:30
Sample Location				suction		suction
Flowline Temperature °F				154 °F		149 °F
Depth (ft)				11,140'		10,180'
Mud Weight (ppg)				9.1		9.0
Funnel Vis (sec/qt)			@ 130 °F	46		45
600 rpm				44		33
300 rpm				28		21
200 rpm				20		16
100 rpm				15		9
6 rpm				8		5
3 rpm				7		4
Plastic Viscosity (cp)			@ 150 °F	16		12
Yield Point (lb/100 ft²)			T0 = 6	12		9
Gel Strength (lb/100 ft²)			10 sec/10 min	9/11		6/8
Gel Strength (lb/100 ft²)			30 min	13		11
HTHP Filtrate (cm/30 min)			@ 250 °F	6.4		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				9%		8%
Corrected Solids (vol%)				6%		5%
Retort Oil Content				62%		62.5%
Retort Water Content				29%		29.5%
O/W Ratio				68:32		68:32
Whole Mud Chlorides (mg/L)				74,000		75,000
Water Phase Salinity (ppm)				285,782		285,033
Whole Mud Alkalinity, Pom				2.8		1.8
Excess Lime (lb/bbl)				3.6 ppb		2.3 ppb
Electrical Stability (volts)				435 v		445 v
Average Specific Gravity of Solids				2.76		2.86
Percent Low Gravity Solids				4.6%		3.5%
ppb Low Gravity Solids				38 ppb		29 ppb
Percent Barite				1.4%		1.4%
ppb Barite				20 ppb		21 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				E. Sanchez	0	R. Bowlin

MUD VOLUME (BBL)

In Pits	578 bbl
In Hole	443 bbl
Active	1021 bbl
Storage	1545 bbl
Tot. on Location	2566 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	68
gal/min	178

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	68
gal/min	178

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 769 n = 0.652 K = 244.698

Bit Depth = 11,140 ' Washout = 2% Pump Efficiency = 95%

Drill String Disp.					
62.9 bbl	Volume to Bit	157.2 bbl	Strokes To Bit	2,516	Time To Bit 19 min
	Bottoms Up Vol.	285.6 bbl	BottomsUp Stks	4,573	BottomsUp Time 34 min
	TotalCirc.Vol.	1020.8 bbl	TotalCirc.Stks	16,342	Total Circ. Time 120 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	5,202'	0'
DP / AGI.	5.370	2.562	21'	5,202'
Drill Pipe	4.500	3.826	5,786'	5,223'
Dir. BHA	5.145	2.506	131'	11,009'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,715'	0'
Int. Csg.	7 5/8	6.830	9,893'	0'
Open Hole Size		6.885	11,140'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.83x4.5	5,202'	331.3	turb	10.02
6.83x5.37	5,223'	491.0	turb	10.15
6.83x4.5	9,893'	331.3	turb	10.15
6.885x4.5	11,009'	322.1	turb	10.29
6.885x5.145	11,140'	417.8	turb	10.43

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	9,906 ft	16.5	331 ft	20.1

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2593.9
Transferred In(+)/Out(-)	
Oil Added (+)	41.8
Barite Added (+)	0.0
Other Product Usage (+)	5.3
Water Added (+)	30.0
Left on Cuttings (-)	-15.2
Non-Recoverable Vol. (-)	-35.0
Eva. Seepage	-54.9
Est. Total on Location	2565.8
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.28	48 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
129 lbs	77			

Motor/MWD	Calc. Circ. Pressure
1,900 psi	3,284 psi

Remarks/Recommendations:

Skid Vol. 2116bbl

Frac Tank Vol: 1,545 bbl

Rig Activity:

M/U 6.75" bit and P/U BHA. TIH to bottom and tag cement@ 9,804'. Drill out cement and 10' of new formation. Performed a FIT test @ 9,916' to 13.0ppg EMW at 2,040 psi with a 9.0ppg active density. Build curve from 9,906' to 10,820' (BOC). Continue to drill ahead to 11,140' at report time. Average ROP:103 ft/hr, RPM: 45 rpm, TORQ: 12 DIFF/450, GPM 357 gpm. MWD/BHT: 235 degrees

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Robert Bowlin	Edgar Sanchez	MIDLAND	WH #2	
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$4,842.75	**$68,119.14**
INCLUDING 3RD PARTY CHARGES	**$8,786.75**	**$120,917.18**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/08/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	46		46				
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
CACL2 (50)	50# sk	$14.32	336		336			118	$1,689.76
LIME (50)	50# sk	$5.00	275		225	50	$250.00	212	$1,060.00
OPTI - G	50# sk	$30.59	165		155	10	$305.90	50	$1,529.50
BENTONE 38 (50)	50# sk	$163.94	50		45	5	$819.70	10	$1,639.40
BENTONE 910 (50)	50# sk	$59.40						12	$712.80
BENTONE 990 (50)	50# sk	$83.59	95		85	10	$835.90	32	$2,674.88
OPTI - MUL	gal	$10.75	440		385	55	$591.25	220	$2,365.00
OPTI - WET	gal	$8.34	385		385			110	$917.40
NEW PHALT	50# sk	$38.72	115		115			5	$193.60
OIL SORB (25)	25# sk	$4.75	92		92				
NEW CARB (M)	50# sk	$5.25	133		133			10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05	144		144			26	$729.30
NEW PLUG M	50# sk	$10.51	70		70				
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			38	$437.00
BARITE BULK (100)	100# sk	$7.00	1270		1270			163	$1,141.00
OPTI DRILL (OBM)	bbl	$65.00	2566		2566			535	$34,775.00
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							
TRUCKING (cwt)	each	$1.98						400	$792.00
TRUCKING (min)	each	$650.00						1	$650.00
PALLETS (ea)	each	$12.00						11	$132.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $4,842.75			**Cumulative Total $68,119.14**			**$68,119.14**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/08/21	**MAGNOLIA OIL & GAS**	**BORGSTEDT OL 2H**	**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	240		240				
SB SUPER CEAL	25# sk	$80.00	253		253				
Clements WBM	bbl	$45.36	149		149				
DIESEL TRANSFER F/3H	gal	$2.38						14972	$35,633.36
DIESEL RECEIVED 7/1/21	gal	$2.36						3100	$7,316.00
DIESEL RECEIVED 7/2/21	gal	$2.38						2286	$5,440.68
DIESEL RECEIVED 7/4/21	gal	$2.38							
Skid Vol. 8_6_21	gal	$2.32	7000		5300	1700	$3,944.00	1900	$4,408.00
OBM_D 8_6_21	gal	$2.28	7199		7199				
						Daily Sub-Total	$3,944.00		$52,798.04

Cumulative Total AES & 3rd Party $120,917.18

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BORGSTEDT OL 2H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/2/21	7/3/21	7/4/21	7/5/21	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
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
	Starting Depth	2,715	4,180	9,100	9,828	9,906	9,906															
	Ending Depth	4,180	9,100	9,828	9,906	9,906																
8,425	Footage Drilled	1,465	4,920	728	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
736	New Hole Vol.	139	466	69	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,970	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
34	Chemical Additions	4	9		4	-																
464	Base Fluid Added	38	211	112	31	24																
14	Barite Increase	-			14	-																
2,116	Weighted Mud Added	-				-																
-	Slurry Added	-				-																
39	Water Added	-				-																
-	Added for Washout					-																
2,667	Total Additions	42	220	112	48	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	Surface Losses					50																
49	Formation Loss					24																
498	Mud Loss to Cuttings	144	242	85	12	-																
444	Unrecoverable Volume	20	102	157	130	-																
15	Centrifuge Losses					15																
1,086	Total Losses	164	344	242	142	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,985	Mud Transferred Out					1,985																
2,566	Ending System Volume	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
-	Mud Recovered																					

3,101

Comments:		Comments:	Comments:
7/2/21	Transfer 2970 bbl from Borgstedt OL 3-H Lost 144 bbl of mud cutting retention /19 bbl loses running over shakers	7/9/21	7/16/21
7/3/21	Lost 242 bbl cutting retention, Lost 102 bbl centrifuge/over shakers	7/10/21	7/17/21
7/4/21		7/11/21	7/18/21
7/5/21		7/12/21	7/19/21
7/6/21	Transfer report, to BOONE C-1H. Losses reflect cementing and casing run losse. Centrifuge application to reduce MW to 9#. Transfer 1985bbl to Boone C-1H.450bbls left inside casing.	7/13/21	7/20/21
7/7/21		7/14/21	7/21/21
7/8/21		7/15/21	7/22/21

8/8/2021 **Report 10 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

84.5° **10,463' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**2,171 ft**	**13,311 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**378 ft/hr**	**Drilling Prod.**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**OBM**	**399 gpm**	**4,883 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10	**5-20**	**5-12**	**>300**	**±280K**	**<10 <20**	**<10**

MUD PROPERTIES				
Time Sample Taken		0:05		13:37
Sample Location		suction		suction
Flowline Temperature °F		154 °F		174 °F
Depth (ft)		11,140'		13,144'
Mud Weight (ppg)		9.1		9.1
Funnel Vis (sec/qt)	@ 130 °F	46		50
600 rpm		44		47
300 rpm		28		30
200 rpm		20		21
100 rpm		15		17
6 rpm		8		9
3 rpm		7		8
Plastic Viscosity (cp)	@ 150 °F	16		17
Yield Point (lb/100 ft²)	T0 = 6	12		13
Gel Strength (lb/100 ft²)	10 sec / 10 min	9/11		8/13
Gel Strength (lb/100 ft2)	30 min	13		16
HTHP Filtrate (cm/30 min)	@ 250 °F	6.4		6.8
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		9%		8.8%
Corrected Solids (vol%)		6%		5.8%
Retort Oil Content		62%		61.7%
Retort Water Content		29%		29.5%
O/W Ratio		68:32		68:32
Whole Mud Chlorides (mg/L)		74,000		75,000
Water Phase Salinity (ppm)		285,782		285,033
Whole Mud Alkalinity, Pom		2.8		2.6
Excess Lime (lb/bbl)		3.6 ppb		3.4 ppb
Electrical Stability (volts)		435 v		427 v
Average Specific Gravity of Solids		2.76		2.79
Percent Low Gravity Solids		4.6%		4.3%
ppb Low Gravity Solids		38 ppb		36 ppb
Percent Barite		1.4%		1.4%
ppb Barite		20 ppb		21 ppb
Estimated Total LCM in System				
Sample Taken By		E. Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	563 bbl
In Hole	525 bbl
Active	1088 bbl
Storage	1545 bbl
Tot. on Location	2633 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	76
gal/min	199

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	76
gal/min	199

RISER BOOSTER

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

Mud Wt. = 9.1 PV=16 YP=12 **CIRCULATION DATA** n = 0.652 K = 244.7

Bit Depth = 13,311 ' | Washout = | Pump Efficiency = 95%

Drill String Disp.							
74.8 bbl	Volume to Bit	188.1 bbl	Strokes To Bit	3,011	Time To Bit	20 min
	Bottoms Up Vol.	336.8 bbl	BottomsUp Stks	5,391	BottomsUp Time	35 min
	TotalCirc.Vol.	1087.8 bbl	TotalCirc.Stks	17,415	Total Circ. Time	115 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	7,373'	
DP / AGI.	5.370	2.562	21'	7,373'
Drill Pipe	4.500	3.826	5,786'	7,394'
Dir. BHA	5.145	2.506	131'	13,180'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,715'	
Int. Csg.	7 5/8	6.830	9,893'	
Open Hole Size	6.750		13,311'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.83x4.5	7,373'	370.2	turb	10.37
6.83x5.37	7,394'	548.7	turb	10.68
6.83x4.5	9,893'	370.2	turb	10.82
6.75x4.5	13,180'	386.1	turb	11.36
6.75x5.145	13,311'	512.0	turb	11.69

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	9,906 ft	27.0	3,405 ft	126.1

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2565.8
Transferred In(+)/Out(-)	
Oil Added (+)	47.6
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	53.3
Left on Cuttings (-)	-96.1
Non-Recoverable Vol. (-)	
Eva. Seepage	
Est. Total on Location	2570.7
Est. Losses/Gains (-)/(+)	62.2

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.39	60 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
161 lbs	86			

Motor/MWD	Calc. Circ. Pressure
2,925 psi	4,941 psi

Afternoon Remarks/Recommendations:

Mw @ 9.1ppg

MWD Temp: 255 Degrees

Diesel @ 4.38BPH Drill H2O at 2.38BPH to replace evaporation

Afternoon Rig Activity:

Continued drilling ahead from 11,140' MD to 13,311'MD at the time of the pm report. Pumping viscous sweeps every 300' drilled down. Diesel/ Drill H2O additions to maintain active density at 9.1ppg. Utilizing frac volumes for makeup vol. Minimal chemical additions will and have been made to maintain the drilling fluid within the recommended parameters.
ROP Averages: Rotating 199'hr/Sliding 97'hr
Torque: 16-18K
Max SICP @ 95PSI 50PSI averages.

08/09/21 **Report #11**

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

OUTSOURCE FLUID SOLUTIONS LLC.

84.5° **10,553' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**2,171 ft**	**14,254 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**378 ft/hr**	**Drilling Prod.**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**399 gpm**	**2,605 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8-9**	**<25**	**2-10**
				8/9/21		8/8/21
Time Sample Taken				0:05		15:00
Sample Location				pit		NO MUD
Flowline Temperature °F						
Depth (ft)				14,254'		
Mud Weight (ppg)				8.4		
Funnel Vis (sec/qt)			@ 90 °F	29		
600 rpm				3		
300 rpm				2		
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	1		
Gel Strength (lb/100 ft²)			10 sec/10 min	1/1		
Gel Strength (lb/100 ft^2)			30 min	1		
API Filtrate / Cake Thickness				25/3		
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.4%		
Retort Oil Content						
Retort Water Content				99.6%		
Sand Content				1%		
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				8.0		
Alkalinity, Mud Pm						
Alkalinities, Filtrate Pf/Mf						
Chlorides (mg/L)				1200		
Calcium (ppm)				80		
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.3%		
Percent Drill Solids				0.3%		
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				E.Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	365 bbl
In Hole	0 bbl
Active	365 bbl
Storage	1431 bbl
Tot. on Location	1796 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	76
gal/min	199

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	76
gal/min	199

RISER BOOSTER

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

PHHP = 606 **CIRCULATION DATA** n = 0.585 K = 26.563

Bit Depth = 14,254 ' Washout = 0% Pump Efficiency = 95%

Drill String Disp.							
79.9 bbl	Volume to Bit	201.5 bbl	Strokes To Bit	3,225	Time To Bit	21 min
	Bottoms Up Vol.	-201.1 bbl	BottomsUp Stks	-3,219	BottomsUp Time	-21 min
	TotalCirc.Vol.	365.4 bbl	TotalCirc.Stks	5,849	Total Circ. Time	38 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	8,316'	0'
DP / AGI.	5.370	2.562	21'	8,316'
Drill Pipe	4.500	3.826	5,786'	8,337'
Dir. BHA	5.145	2.506	131'	14,123'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,715'	0'
Int. Csg.	7 5/8	2.890	9,893'	0'
Open Hole Size		0.000	14,254'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
2.89x4.5	8,316'	-821.5		8.40
2.89x5.37	8,337'	-477.1		8.40
2.89x4.5	9,893'	-821.5		8.40
0x4.5	14,123'	-482.7		8.40
0x5.145	14,254'	-369.2		8.40

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
	9,906 ft	49.0	3,405 ft	69.5

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2565.8
Transferred In(+)/Out(-)	
Oil Added (+)	132.2
Barite Added (+)	20.9
Other Product Usage (+)	7.9
Water Added (+)	586.0
Left on Cuttings (-)	0.0
OBM Lost to Hole	-930.5
Water Pump Down Hole	-586.0
Est. Total on Location	1796.3
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Motor/MWD	Calc. Circ. Pressure
2,925 psi	3,519 psi

Remarks/Recommendations:

Skid Vol. 2116bbl

Frac Tank Vol: 1,545 bbl

Rig Activity:

Continue to drill from 11,140' to 14,242'. Lost total returns. Filled up and isolate the following tanks: Tank 6 fresh water, Tank 5 with 9.1ppg OBM (sweeps), Tank 4 with OBM Kill Mud. Pumped 50 bbl of 13.5 ppg Mud Cap on the back side. Resume drilling ahead with fresh water. Transfer rest of OBM to frac tanks. Total estimated OBM down hole loses 930 bbl. Reset total stroke count to monitor total bbl pumped down hole. Weighing up Kill Mud to 15 ppg at report time. Plan ahead is to continue drilling head pumping OBM sweeps as needed.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Robert Bowlin	Edgar Sanchez	MIDLAND	WH #2	
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$53,901.40	**$122,020.54**
INCLUDING 3RD PARTY CHARGES	**$66,651.12**	**$187,568.30**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/09/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	46		46				
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
CACL2 (50)	50# sk	$14.32	336		336			118	$1,689.76
LIME (50)	50# sk	$5.00	225		150	75	$375.00	287	$1,435.00
OPTI - G	50# sk	$30.59	155		125	30	$917.70	80	$2,447.20
BENTONE 38 (50)	50# sk	$163.94	45		45			10	$1,639.40
BENTONE 910 (50)	50# sk	$59.40						12	$712.80
BENTONE 990 (50)	50# sk	$83.59	85		85			32	$2,674.88
OPTI - MUL	gal	$10.75	385		385			220	$2,365.00
OPTI - WET	gal	$8.34	385		330	55	$458.70	165	$1,376.10
NEW PHALT	50# sk	$38.72	115		115			5	$193.60
OIL SORB (25)	25# sk	$4.75	92		92				
NEW CARB (M)	50# sk	$5.25	133		133			10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05	144		144			26	$729.30
NEW PLUG M	50# sk	$10.51	70		70				
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			38	$437.00
BARITE BULK (100)	100# sk	$7.00	1270	400	1370	300	$2,100.00	463	$3,241.00
OPTI DRILL (OBM)	bbl	$65.00	2566		1796	770	$50,050.00	1305	$84,825.00
ENGINEERING (24 HR)	each	$990.00						14	$13,860.00
ENGINEERING (DIEM)	bbl	$30.00						14	$420.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$1.98						400	$792.00
TRUCKING (min)	each	$650.00						1	$650.00
PALLETS (ea)	each	$12.00						11	$132.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00

Daily Sub-Total $53,901.40	Cumulative Total $122,020.54	$122,020.54

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/09/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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	240		240				
SB SUPER CEAL	25# sk	$80.00	253		253				
Clements WBM	bbl	$45.36	149		149				
DIESEL TRANSFER F/3H	gal	$2.38						14972	$35,633.36
DIESEL RECEIVED 7/1/21	gal	$2.36						3100	$7,316.00
DIESEL RECEIVED 7/2/21	gal	$2.38						2286	$5,440.68
DIESEL RECEIVED 7/4/21	gal	$2.38							
Skid Vol. 8_6_21	gal	$2.32	5300			5300	$12,296.00	7200	$16,704.00
OBM_D 8_6_21	gal	$2.28	7199		7000	199	$453.72	199	$453.72
						Daily Sub-Total	$12,749.72		$65,547.76

Cumulative Total AES & 3rd Party $187,568.30

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BORGSTEDT OL 2H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/2/21	7/3/21	7/4/21	7/5/21	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
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
	Starting Depth	2,715	4,180	9,100	9,828	9,906	9,906															
	Ending Depth	4,180	9,100	9,828	9,906	9,906																
11,539	Footage Drilled	1,465	4,920	728	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
874	New Hole Vol.	139	466	69	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,970	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
42	Chemical Additions	4	9		4	-																
596	Base Fluid Added	38	211	112	31	24																
35	Barite Increase	-			14	-																
2,116	Weighted Mud Added	-				-																
-	Slurry Added	-				-																
625	Water Added	-				-																
-	Added for Washout					-																
3,414	Total Additions	42	220	112	48	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	Surface Losses					50																
1,566	Formation Loss					24																
498	Mud Loss to Cuttings	144	242	85	12	-																
444	Unrecoverable Volume	20	102	157	130	-																
15	Centrifuge Losses					15																
2,603	Total Losses	164	344	242	142	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,985	Mud Transferred Out					1,985																
1,796	Ending System Volume	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
-	Mud Recovered																					

3,101

Comments:		Comments:	Comments:
7/2/21	Transfer 2970 bbl from Borgstedt OL 3-H Lost 144 bbl of mud cutting retention /19 bbl loses running over shakers	7/9/21	7/16/21
7/3/21	Lost 242 bbl cutting retention, Lost 102 bbl centrifuge/over shakers	7/10/21	7/17/21
7/4/21		7/11/21	7/18/21
7/5/21		7/12/21	7/19/21
7/6/21	Transfer report, to BOONE C-1H. Losses reflect cementing and casing run losse. Centrifuge application to reduce MW to 9#. Transfer 1985bbl to Boone C-1H.450bbls left inside casing.	7/13/21	7/20/21
7/7/21		7/14/21	7/21/21
7/8/21		7/15/21	7/22/21

8/9/2021 **Report 11 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

87.6° **10,528' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**1,039 ft**	**15,293 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**197 ft/hr**	**Drilling Prod.**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**373 gpm**	**5,803 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**7-8**	**<25**	**2-10**

MUD PROPERTIES

Time Sample Taken	0:05		12:50
Sample Location	pit		Suction
Flowline Temperature °F			
Depth (ft)	14,254'		15,293'
Mud Weight (ppg)	8.4		8.5
Funnel Vis (sec/qt) @ 90 °F	29		29
600 rpm	3		5
300 rpm	2		4
200 rpm	1		3
100 rpm	1		2
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	1		3
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/1		1/2
Gel Strength (lb/100 ft2) 30 min	1		3
API Filtrate / Cake Thickness	25/3		
HTHP Filtrate / Cake Thickness			
Retort Solids Content	0.4%		1.1%
Retort Oil Content			0.5%
Retort Water Content	99.6%		98.4%
Sand Content	1%		0%
M.B.T. (Methylene Blue Capacity) (ppb)			
pH	8.0		7.8
Alkalinity, Mud Pm			
Alkalinities, Filtrate Pf/Mf			
Chlorides (mg/L)	1200		3300
Calcium (ppm)	80		120
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	0.3%		0.9%
Percent Drill Solids	0.3%		0.9%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	E.Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	365 bbl
In Hole	-5 bbl
Active	360 bbl
Storage	1570 bbl
Tot. on Location	1930 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	71
gal/min	186

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	71
gal/min	186

RISER BOOSTER

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

Mud Wt. = 8.4 PV=1 YP=1 **CIRCULATION DATA** n = 0.585 K = 26.6

Bit Depth = 15,293 ' | Washout = | Pump Efficiency = 95%

Drill String Disp.							
85.6 bbl	Volume to Bit	216.2 bbl	Strokes To Bit	3,462	Time To Bit	24 min
	Bottoms Up Vol.	-221.5 bbl	BottomsUp Stks	-3,547	BottomsUp Time	-25 min
	TotalCirc.Vol.	359.7 bbl	TotalCirc.Stks	5,758	Total Circ. Time	41 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	9,355'	
DP / AGI.	5.370	2.562	21'	9,355'
Drill Pipe	4.500	3.826	5,786'	9,376'
Dir. BHA	5.145	2.506	131'	15,162'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,715'	
Int. Csg.	7 5/8	2.890	9,893'	
Open Hole Size			15,293'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
2.89x4.5	9,355'	-767.4		8.40
2.89x5.37	9,376'	-445.7		8.40
2.89x4.5	9,893'	-767.4		8.40
0x4.5	15,162'	-450.9		8.40
0x5.145	15,293'	-344.9		8.40

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
	9,906 ft	58.5	5,387 ft	92.1

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	1796.4
Transferred In(+)/Out(-)	189.0
Oil Added (+)	19.0
Barite Added (+)	27.8
Other Product Usage (+)	0.2
Water Added (+)	5747.8
Left on Cuttings (-)	
OBM Lost to Hole	-123.0
Water Pump Down Hole	-5727.5
Est. Total on Location	1929.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
#DIV/0!	48 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
130 lbs	80			

Motor/MWD	Calc. Circ. Pressure
5,200 psi	5,758 psi

Afternoon Remarks/Recommendations:

Mw @ 8.334ppg

MWD Temp: 158 Degrees

Rec: 692bbls of produced H2O

Rec: 189bbls 16.0ppg Kill Mud

Afternoon Rig Activity:

Continued drilling ahead on lateral section from 14,254'MD to 15,293'MD under a 16.5ppg geo pressure cap, with fresh drill H2O/ Produced H2O as the primary circulating median. Pumping OBM sweeps every other stand drill down at 5bbl increments to provide cuttings transport to the area of loss along with a degree of lubricity. Pumped 382bbls of produced H2O at report time. Pumped 63bbls @ 16.5ppg to control SICP. Making additions of PHPA for encapsulation. ROP Averages: Rotating 99'hr/Sliding 45'hr, Torque: 21-24K
Zero SICP.

08/10/21 **Report #12**

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

OUTSOURCE FLUID SOLUTIONS LLC.

87.6° **10,571' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**2,079 ft**	**16,333 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**103 ft/hr**	**Drilling Prod.**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**378 gpm**	**5,803 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**7-8**	**<25**	**2-10**
				8/10/21		8/9/21
Time Sample Taken				0:05		12:50
Sample Location				pit		Suction
Flowline Temperature °F						
Depth (ft)				16,333'		15,293'
Mud Weight (ppg)				8.4		8.5
Funnel Vis (sec/qt)			@ 90 °F	29		29
600 rpm				5		5
300 rpm				4		4
200 rpm				3		3
100 rpm				2		2
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	1		1
Yield Point (lb/100 ft²)			T0 = 1	3		3
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/2
Gel Strength (lb/100 ft^2)			30 min	3		3
API Filtrate / Cake Thickness						
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.3%		1.1%
Retort Oil Content				0.5%		0.5%
Retort Water Content				99.2%		98.4%
Sand Content				0%		0%
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				7.8		7.8
Alkalinity, Mud Pm						
Alkalinities, Filtrate Pf/Mf						
Chlorides (mg/L)				3500		3300
Calcium (ppm)				120		120
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.2%		0.9%
Percent Drill Solids				0.2%		0.9%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				E.Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	238 bbl
In Hole	0 bbl
Active	238 bbl
Storage	1765 bbl
Tot. on Location	2003 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	71
gal/min	186

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	73
gal/min	192

RISER BOOSTER

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

PHHP = 1279 **CIRCULATION DATA** n = 0.322 K = 273.977

Bit Depth = 16,333 ' Washout = 0% Pump Efficiency = 95%

Drill String Disp.							
91.2 bbl	Volume to Bit	231.0 bbl	Strokes To Bit	3,698	Time To Bit	26 min
	Bottoms Up Vol.	-231.1 bbl	BottomsUp Stks	-3,700	BottomsUp Time	-26 min
	TotalCirc.Vol.	237.9 bbl	TotalCirc.Stks	3,809	Total Circ. Time	26 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	10,395'	0'
DP / AGI.	5.370	2.562	21'	10,395'
Drill Pipe	4.500	3.826	5,786'	10,416'
Dir. BHA	5.145	2.506	131'	16,202'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,715'	0'
Int. Csg.	7 5/8	3.080	9,893'	0'

Open Hole Size 0.000 16,333'

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
3.08x4.5	9,893'	-860.3		8.40
0x4.5	10,395'	-457.3		8.40
0x5.37	10,416'	-321.1		8.40
0x4.5	16,202'	-457.3		8.40
0x5.145	16,333'	-349.8		8.40

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
	9,906 ft	70.0	6,427 ft	91.8

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	1796.4
Transferred In(+)/Out(-)	314.0
Oil Added (+)	39.8
Barite Added (+)	27.2
Other Product Usage (+)	0.6
Water Added (+)	10723.0
Left on Cuttings (-)	0.0
OBM Lost to Hole	-203.0
Water Pump Down Hole	-10695.0
Est. Total on Location	2003.0
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
	50 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
134 lbs	81			

Motor/MWD	Calc. Circ. Pressure
5,200 psi	5,805 psi

Remarks/Recommendations:

Skid Vol. 2116bbl

Frac Tank Vol: 1,545 bbl

Rig Activity:

Continue to drill from 14,254' to 16,333' using fresh/production water as the primary drilling fluid. Pumping 5 bbl of OBM sweeps every other stand or as needed to provide cuttings transport to the area of loss along with a degree of lubricity. Adding PHPA for encapsulation. Average ROP: 103 ft/hr, GPM: 377 gpm, TORQ: 21-24k, SICP: 0.
Total F/water pumped: 9,448 bbl, Production Water: 1,072 bbl, and OBM: 2003 bbl.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Robert Bowlin	Edgar Sanchez	MIDLAND	WH #2	
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$14,962.98	**$136,983.52**
INCLUDING 3RD PARTY CHARGES	**$18,706.74**	**$206,275.04**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/10/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	46		41	5	$206.80	5	$206.80
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
CACL2 (50)	50# sk	$14.32	336		336			118	$1,689.76
LIME (50)	50# sk	$5.00	150		150			287	$1,435.00
OPTI - G	50# sk	$30.59	125		125			80	$2,447.20
BENTONE 38 (50)	50# sk	$163.94	45		45			10	$1,639.40
BENTONE 910 (50)	50# sk	$59.40						12	$712.80
BENTONE 990 (50)	50# sk	$83.59	85		85			32	$2,674.88
OPTI - MUL	gal	$10.75	385		385			220	$2,365.00
OPTI - WET	gal	$8.34	330		300	30	$250.20	195	$1,626.30
NEW PHALT	50# sk	$38.72	115		115			5	$193.60
OIL SORB (25)	25# sk	$4.75	92		92				
NEW CARB (M)	50# sk	$5.25	133		133			10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05	144		144			26	$729.30
NEW PLUG M	50# sk	$10.51	70		70				
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			38	$437.00
BARITE BULK (100)	100# sk	$7.00	1370	401	1380	391	$2,737.00	854	$5,978.00
OPTI DRILL (OBM)	bbl	$65.00	1796	344	2003	137	$8,905.00	1442	$93,730.00
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							
Scale Ticket	each	$15.00				2	$30.00	2	$30.00
TRUCKING (cwt)	each	$1.98				401	$793.98	801	$1,585.98
TRUCKING (min)	each	$650.00						1	$650.00
PALLETS (ea)	each	$12.00						11	$132.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00

Daily Sub-Total $14,962.98	Cumulative Total $136,983.52	$136,983.52

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/10/21	**MAGNOLIA OIL & GAS**	**BORGSTEDT OL 2H**	**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	240		240				
SB SUPER CEAL	25# sk	$80.00	253		253				
Clements WBM	bbl	$45.36	149		149				
DIESEL TRANSFER F/3H	gal	$2.38						14972	$35,633.36
DIESEL RECEIVED 7/1/21	gal	$2.36						3100	$7,316.00
DIESEL RECEIVED 7/2/21	gal	$2.38						2286	$5,440.68
DIESEL RECEIVED 7/4/21	gal	$2.38							
Skid Vol. 8_6_21	gal	$2.32						7200	$16,704.00
OBM_D 8_6_21	gal	$2.28	7000		5358	1642	$3,743.76	1841	$4,197.48
OBM-D 8_9_21	gal	$2.27		7200	7200				

Daily Sub-Total $3,743.76

$69,291.52

Cumulative Total AES & 3rd Party $206,275.04

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BORGSTEDT OL 2H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/2/21	7/3/21	7/4/21	7/5/21	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
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
	Starting Depth	2,715	4,180	9,100	9,828	9,906	9,906															
	Ending Depth	4,180	9,100	9,828	9,906	9,906																
13,618	Footage Drilled	1,465	4,920	728	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
966	New Hole Vol.	139	466	69	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,970	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
42	Chemical Additions	4	9		4	-																
635	Base Fluid Added	38	211	112	31	24																
62	Barite Increase	-			14	-																
2,460	Weighted Mud Added	-				-																
-	Slurry Added	-				-																
11,348	Water Added	-				-																
-	Added for Washout					-																
14,547	Total Additions	42	220	112	48	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	Surface Losses					50																
12,464	Formation Loss					24																
498	Mud Loss to Cuttings	144	242	85	12	-																
444	Unrecoverable Volume	20	102	157	130	-																
15	Centrifuge Losses					15																
13,501	Total Losses	164	344	242	142	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,985	Mud Transferred Out					1,985																
2,031	Ending System Volume	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
-	Mud Recovered																					

3,445

Comments:		Comments:	Comments:
7/2/21	Transfer 2970 bbl from Borgstedt OL 3-H Lost 144 bbl of mud cutting retention /19 bbl loses running over shakers	7/9/21	7/16/21
7/3/21	Lost 242 bbl cutting retention, Lost 102 bbl centrifuge/over shakers	7/10/21	7/17/21
7/4/21		7/11/21	7/18/21
7/5/21		7/12/21	7/19/21
7/6/21	Transfer report, to BOONE C-1H. Losses reflect cementing and casing run losse. Centrifuge application to reduce MW to 9#. Transfer 1985bbl to Boone C-1H.450bbls left inside casing.	7/13/21	7/20/21
7/7/21		7/14/21	7/21/21
7/8/21		7/15/21	7/22/21

8/10/2021 **Report 12 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

86.8° **10,652' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**1,056 ft**	**17,489 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**		**TOOH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**373 gpm**	**4,842 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**7-8**	**<25**	**2-10**

MUD PROPERTIES

Time Sample Taken	0:05		12:00
Sample Location	pit		Suction
Flowline Temperature °F			
Depth (ft)	16,333'		17,302'
Mud Weight (ppg)	8.4		8.4
Funnel Vis (sec/qt) @ 90 °F	29		27
600 rpm	5		3
300 rpm	4		2
200 rpm	3		1
100 rpm	2		1
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	3		1
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/2		1/2
Gel Strength (lb/100 ft2) 30 min	3		1
API Filtrate / Cake Thickness			
HTHP Filtrate / Cake Thickness			
Retort Solids Content	0.3%		0.3%
Retort Oil Content	0.5%		0.5%
Retort Water Content	99.2%		99.2%
Sand Content	0%		0%
M.B.T. (Methylene Blue Capacity) (ppb)			
pH	7.8		7.6
Alkalinity, Mud Pm			
Alkalinities, Filtrate Pf/Mf			
Chlorides (mg/L)	3500		3300
Calcium (ppm)	120		120
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	0.2%		0.2%
Percent Drill Solids	0.2%		0.2%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	E.Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	282 bbl
In Hole	-5 bbl
Active	277 bbl
Storage	1765 bbl
Tot. on Location	2042 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	71
gal/min	186

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	71
gal/min	186

RISER BOOSTER

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

Mud Wt. = 8.4 PV=1 YP=3 **CIRCULATION DATA** n = 0.322 K = 274.0

Bit Depth = 17,261 ' | Washout = | Pump Efficiency = 95%

Drill String Disp.							
96.3 bbl	Volume to Bit	244.2 bbl	Strokes To Bit	3,910	Time To Bit	28 min
	Bottoms Up Vol.	-249.3 bbl	BottomsUp Stks	-3,992	BottomsUp Time	-28 min
	TotalCirc.Vol.	277.1 bbl	TotalCirc.Stks	4,436	Total Circ. Time	31 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	11,323'	
DP / AGI.	5.370	2.562	21'	11,323'
Drill Pipe	4.500	3.826	5,786'	11,344'
Dir. BHA	5.145	2.506	131'	17,130'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,715'	
Int. Csg.	7 5/8	3.080	9,893'	
Open Hole Size			17,489'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
3.08x4.5	9,893'	-848.3		8.40
0x4.5	11,323'	-450.9		8.40
0x5.37	11,344'	-316.6		8.40
0x4.5	17,130'	-450.9		8.40
0x5.145	17,261'	-344.9		8.40

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
	9,906 ft	80.0	7,583 ft	94.8

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2002.9
Transferred In(+)/Out(-)	
Oil Added (+)	71.5
Barite Added (+)	
Other Product Usage (+)	0.7
Water Added (+)	5145.0
Left on Cuttings (-)	
OBM Lost to Hole	-33.0
Water Pump Down Hole	-5145.0
Est. Total on Location	2042.1
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
#DIV/0!	48 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
130 lbs	80			

Motor/MWD	Calc. Circ. Pressure
4,200 psi	4,819 psi

Afternoon Remarks/Recommendations:

Mw @ 8.4ppg Pumped 5,178bbls downhole by pm report time.

MWD Temp: 194 Degrees

Rec: 995bbls of produced H2O/ Pumped 1,622bbls

Pumped 33bbls OBM and 71.5bbls of Diesel

Afternoon Rig Activity:

Cont drilling ahead from 16,333'MD to 17,489'MD whereas we experienced a mud motor failure. At 16,840'MD began maintaining 2% oil in the suction with additions of diesel to aid in lubricity. While drilling pumped 9.2ppg OBM sweeps in 5-10bbl increments every other stand and 5bbls every 20 minutes on troublesome slides. Utilized produced H2O pumping a +/- 70/30 blend of fresh drill H2O and produced H2O. Trickled in PHPA at 1 can every 3hrs for encapsulation. At the time of the pm rpt W&R out of the hole at 17,261'MD.

08/11/21 **Report #13**

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

OUTSOURCE FLUID SOLUTIONS LLC.

1.3° **8,873' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**1,056 ft**	**17,489 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**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**	**WBM**	**373 gpm**	**4,842 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	GELS	pH	API fl	% Solids	In Pits	231 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**7-8**	**<25**	**2-10**	In Hole	0 bbl	Stroke	12	Stroke	12	Stroke	
				8/11/21		8/10/21	Active	226 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				0:05		12:00	Storage	1665 bbl	stk/min	71	stk/min	71	stk/min	0
Sample Location				pit		Suction	Tot. on Location	1896 bbl	gal/min	186	gal/min	186	gal/min	0
Flowline Temperature °F							PHHP = 1052		**CIRCULATION DATA**				n = 0.322	K = 273.977
Depth (ft)				17,489'		17,302'	Bit Depth = 8,953 '		Washout = 0%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.4		8.4	Drill String Disp.	Volume to Bit 126.1 bbl	Strokes To Bit 2,018				Time To Bit 14 min	
Funnel Vis (sec/qt)			@ 90 °F	29		27		Bottoms Up Vol. -131.1 bbl	BottomsUp Stks -2,098				BottomsUp Time -15 min	
600 rpm				5		3	51.0 bbl	TotalCirc.Vol. 226.0 bbl	TotalCirc.Stks 3,618				Total Circ. Time 25 min	
300 rpm				4		2	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				3		1	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens Hours
100 rpm				2		1	Drill Pipe	4.500	3.826	3,015'	0'		Shaker 1	API 200's
6 rpm				1		1	DP / AGI.	5.370	2.562	21'	3,015'		Shaker 2	API 200's
3 rpm				1		1	Drill Pipe	4.500	3.826	5,786'	3,036'		Shaker 3	API 200's
Plastic Viscosity (cp)			@ 120 °F	1		1	Dir. BHA	5.145	2.506	131'	8,822'		Cuttings Dryer	API 140's
Yield Point (lb/100 ft²)			T0 = 1	3		1	**CASING & HOLE DATA**							
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/2	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1	
Gel Strength (lb/100 ft²)			30 min	3		1	Riser						**VOLUME ACCOUNTING (bbls)**	
API Filtrate / Cake Thickness							Surface	10 3/4		2,715'	0'		Prev. Total on Location	2002.9
HTHP Filtrate / Cake Thickness			@ 0 °F				Int. Csg.	7 5/8	2.300	9,893'	0'		Transferred In(+)/Out(-)	
Retort Solids Content				0.3%		0.3%							Oil Added (+)	71.5
Retort Oil Content				0.5%		0.5%							Barite Added (+)	0.0
Retort Water Content				99.2%		99.2%	Open Hole Size	0.000	17,489'				Other Product Usage (+)	0.7
Sand Content				0%		0%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	6275.5
M.B.T. (Methylene Blue Capacity) (ppb)							annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	0.0
pH				7.8		7.6							OBM Lost to Hole	-107.0
Alkalinity, Mud Pm													Water Pump Down Hole	-6347.8
Alkalinities, Filtrate Pf/Mf							2.3x4.5	3,015'	-610.4		8.40		Est. Total on Location	1895.8
Chlorides (mg/L)				3500		3300	2.3x5.37	3,036'	-387.8		8.40		Est. Losses/Gains (-)/(+)	0.0
Calcium (ppm)				120		120	2.3x4.5	8,822'	-610.4		8.40		**BIT HYDRAULICS DATA**	
Excess Lime (lb/bbl)							2.3x5.145	8,953'	-431.1		8.40		Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Average Specific Gravity of Solids				2.60	2.60	2.60							48 psi	18 18 18
Percent Low Gravity Solids				0.2%		0.2%							Bit Impact Force / Nozzle Velocity (ft/sec)	18 18 18
Percent Drill Solids				0.2%		0.2%								
PPA Spurt / Total (ml) @			@ 0 °F				**BIT DATA**	Manuf./Type					130 lbs / 80	
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD	Calc. Circ. Pressure
Sample Taken By				E.Sanchez		R. Bowlin		9,906 ft	80.0	7,583 ft	94.8		4,200 psi	4,562 psi

Remarks/Recommendations:

Skid Vol. 2116bbl

Frac Tank Vol: 1,545 bbl

Rig Activity:

Continue to drill from 16,333' to 16,840' using fresh/production (70/30 ratio) water as the primary drilling fluid. Began adding Diesel to suction @ 2% for additional lubricity. Drilled to 17,489'. Pumping 5-10 bbl of OBM sweeps every other stand then increased to every 20 min. Trouble shoot mud motor, began POOH to 8,953'. Casing pressure build up, pumped 30 bbl of Kill Mud down back side. Resume to POOH/monitor casing pressure, pumping Kill Mud as needed.
Total F/water pumped: 4,653.5 bbl, Production Water: 1,622 bbl, and OBM:107 bbl.
Diesel: 71.5 bbl

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Robert Bowlin	Edgar Sanchez	MIDLAND	WH #2	
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$9,243.16	**$146,226.68**
INCLUDING 3RD PARTY CHARGES	**$16,087.72**	**$222,362.76**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/11/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	41		35	6	$248.16	11	$454.96
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
CACL2 (50)	50# sk	$14.32	336		336			118	$1,689.76
LIME (50)	50# sk	$5.00	150		150			287	$1,435.00
OPTI - G	50# sk	$30.59	125		125			80	$2,447.20
BENTONE 38 (50)	50# sk	$163.94	45		45			10	$1,639.40
BENTONE 910 (50)	50# sk	$59.40						12	$712.80
BENTONE 990 (50)	50# sk	$83.59	85		85			32	$2,674.88
OPTI - MUL	gal	$10.75	385		385			220	$2,365.00
OPTI - WET	gal	$8.34	300		300			195	$1,626.30
NEW PHALT	50# sk	$38.72	115		115			5	$193.60
OIL SORB (25)	25# sk	$4.75	92		92				
NEW CARB (M)	50# sk	$5.25	133		133			10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05	144		144			26	$729.30
NEW PLUG M	50# sk	$10.51	70		70				
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			38	$437.00
BARITE BULK (100)	100# sk	$7.00	1380		1380			854	$5,978.00
OPTI DRILL (OBM)	bbl	$65.00	2003		1896	107	$6,955.00	1549	$100,685.00
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							
Scale Ticket	each	$15.00						2	$30.00
TRUCKING (cwt)	each	$1.98						801	$1,585.98
TRUCKING (min)	each	$650.00						1	$650.00
PALLETS (ea)	each	$12.00						11	$132.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $9,243.16			**Cumulative Total $146,226.68**			**$146,226.68**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/11/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	285	Report #13

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					
SB SUPER CEAL	25# sk	$80.00	253		253					
Clements WBM	bbl	$45.36	149		149					
DIESEL TRANSFER F/3H	gal	$2.38							14972	$35,633.36
DIESEL RECEIVED 7/1/21	gal	$2.36							3100	$7,316.00
DIESEL RECEIVED 7/2/21	gal	$2.38							2286	$5,440.68
DIESEL RECEIVED 7/4/21	gal	$2.38								
Skid Vol. 8_6_21	gal	$2.32							7200	$16,704.00
OBM_D 8_6_21	gal	$2.28	5358		2356	3002	$6,844.56		4843	$11,042.04
OBM-D 8_9_21	gal	$2.27	7200		7200					
					Daily Sub-Total		$6,844.56		$76,136.08	

Cumulative Total AES & 3rd Party $222,362.76

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BORGSTEDT OL 2H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/2/21	7/3/21	7/4/21	7/5/21	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
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
	Starting Depth	2,715	4,180	9,100	9,828	9,906	9,906															
	Ending Depth	4,180	9,100	9,828	9,906	9,906																
14,774	Footage Drilled	1,465	4,920	728	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,017	New Hole Vol.	139	466	69	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,970	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
42	Chemical Additions	4	9		4	-																
707	Base Fluid Added	38	211	112	31	24																
62	Barite Increase	-			14	-																
2,460	Weighted Mud Added	-				-																
-	Slurry Added	-				-																
17,624	Water Added	-				-																
-	Added for Washout					-																
20,894	Total Additions	42	220	112	48	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	Surface Losses					50																
18,947	Formation Loss					24																
498	Mud Loss to Cuttings	144	242	85	12	-																
444	Unrecoverable Volume	20	102	157	130	-																
15	Centrifuge Losses					15																
19,984	Total Losses	164	344	242	142	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,985	Mud Transferred Out					1,985																
1,896	Ending System Volume	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
-	Mud Recovered																					

3,445

Comments:		Comments:	Comments:
7/2/21	Transfer 2970 bbl from Borgstedt OL 3-H Lost 144 bbl of mud cutting retention /19 bbl loses running over shakers	7/9/21	7/16/21
7/3/21	Lost 242 bbl cutting retention, Lost 102 bbl centrifuge/over shakers	7/10/21	7/17/21
7/4/21		7/11/21	7/18/21
7/5/21		7/12/21	7/19/21
7/6/21	Transfer report, to BOONE C-1H. Losses reflect cementing and casing run losse. Centrifuge application to reduce MW to 9#. Transfer 1985bbl to Boone C-1H.450bbls left inside casing.	7/13/21	7/20/21
7/7/21		7/14/21	7/21/21
7/8/21		7/15/21	7/22/21

8/11/2021 **Report 13 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

2.3° **7,345' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**		**17,489 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**		**TIH**
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
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**7-8**	**<25**	**2-10**

MUD VOLUME (BBL)

In Pits	355 bbl
In Hole	8 bbl
Active	351 bbl
Storage	1464 bbl
Tot. on Location	1827 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
Stroke
bbl/stk
stk/min
gal/min

MUD PROPERTIES

Time Sample Taken	0:05		12:00
Sample Location	pit		Suction
Flowline Temperature °F			
Depth (ft)	17,489'		17,302'
Mud Weight (ppg)	8.4		8.4
Funnel Vis (sec/qt) @ 90 °F	29		26
600 rpm	5		3
300 rpm	4		2
200 rpm	3		1
100 rpm	2		1
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	3		1
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/2		1/1
Gel Strength (lb/100 ft2) 30 min	3		1
API Filtrate / Cake Thickness			
HTHP Filtrate / Cake Thickness			
Retort Solids Content	0.3%		0.4%
Retort Oil Content	0.5%		
Retort Water Content	99.2%		99.6%
Sand Content	0%		0%
M.B.T. (Methylene Blue Capacity) (ppb)			
pH	7.8		7.8
Alkalinity, Mud Pm			
Alkalinities, Filtrate Pf/Mf			
Chlorides (mg/L)	3500		900
Calcium (ppm)	120		40
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	0.2%		0.3%
Percent Drill Solids	0.2%		0.3%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	E.Sanchez		R. Bowlin

Mud Wt. = 8.4 PV=1 YP=3 **CIRCULATION DATA** n = 0.322 K = 274.0

Bit Depth = 7,424 ' | Washout = | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
42.5 bbl	Bottoms Up Vol. -108.7 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 350.7 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	7,075'	
DP / AGI.	5.312	2.562	30'	7,075'
Drill Pipe	4.500	3.826	189'	7,104'
Dir. BHA	5.000	2.688	131'	7,293'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,715'	
Int. Csg.	7 5/8	2.300	9,893'	
Open Hole Size			17,489'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
2.3x4.5	7,075'			8.40
2.3x5.312	7,104'			8.40
2.3x4.5	7,293'			8.40
2.3x5	7,424'			8.40

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	1895.8
Transferred In(+)/Out(-)	199.0
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	402.0
Left on Cuttings (-)	
OBM Lost to Hole	-300.0
Water Pump Down Hole	-369.5
Est. Total on Location	1827.3
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
	17,489 ft					psi

Afternoon Remarks/Recommendations:

Rec 199bbls 16.0ppg Kill Mud 225 additional vol. on order.

No Produced H2O pumped in the past 12 hours.

Afternoon Rig Activity:

Finished tripping out of the hole , LD the directional BHA, PU BHA #4. TIH to 4,900'MD whereas observed casing pressure, pumped 68bbls @ 16.5ppg. Receiving 16.0ppg kill mud 199bbls at the time of the pm report. Passing 7,424'MD TIH.

08/12/21 **Report #14**

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

OUTSOURCE FLUID SOLUTIONS LLC.

87.0° **10,681' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**315 ft**	**17,804 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**105 ft/hr**	**Drilling/Sliding**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Greg Johnson	**Tool Pusher**	**GIDDINGS AC**	**WBM**	**378 gpm**	**5,600 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	GELS	pH	API fl	% Solids	In Pits	238 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**7-8**	**<25**	**2-10**	In Hole	0 bbl	Stroke	12	Stroke	12	Stroke	
				8/12/21		8/11/21	Active	238 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				0:05		12:00	Storage	1854 bbl	stk/min	72	stk/min	72	stk/min	0
Sample Location				pit		Suction	Tot. on Location	2092 bbl	gal/min	189	gal/min	189	gal/min	0
Flowline Temperature °F							PHHP = 1234		CIRCULATION DATA				n = 0.322	K = 273.977
Depth (ft)				17,804'		17,302'	Bit Depth = 17,804 '		Washout = 0%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.4		8.4	Drill String Disp.	Volume to Bit 252.0 bbl	Strokes To Bit	4,034			Time To Bit	28 min
Funnel Vis (sec/qt)			@ 90 °F	29		26		Bottoms Up Vol. -252.0 bbl	BottomsUp Stks	-4,035			BottomsUp Time	-28 min
600 rpm				5		3	99.1 bbl	TotalCirc.Vol. 238.0 bbl	TotalCirc.Stks	3,809			Total Circ. Time	26 min
300 rpm				4		2	DRILLING ASSEMBLY DATA						SOLIDS CONTROL	
200 rpm				3		1	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens Hours
100 rpm				2		1	Drill Pipe	4.500	3.826	17,455'	0'		Shaker 1	API 200's
6 rpm				1		1	DP / AGI.	5.312	2.562	30'	17,455'		Shaker 2	API 200's
3 rpm				1		1	Drill Pipe	4.500	3.826	189'	17,484'		Shaker 3	API 200's
Plastic Viscosity (cp)			@ 120 °F	1		1	Dir. BHA	5.000	2.688	131'	17,673'		Cuttings Dryer	API 140's
Yield Point (lb/100 ft²)			T0 = 1	3		1	CASING & HOLE DATA							
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/1	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1	
Gel Strength (lb/100 ft²)			30 min	3		1	Riser						VOLUME ACCOUNTING (bbls)	
API Filtrate / Cake Thickness							Surface	10 3/4		2,715'	0'		Prev. Total on Location	1895.8
HTHP Filtrate / Cake Thickness			@ 0 °F				Int. Csg.	7 5/8	3.210	9,893'	0'		Transferred In(+)/Out(-)	714.0
Retort Solids Content				0.3%		0.4%							Oil Added (+)	0.0
Retort Oil Content				0.5%									Barite Added (+)	33.4
Retort Water Content				99.2%		99.6%	Open Hole Size	0.000	17,804'				Other Product Usage (+)	0.2
Sand Content				0%		0%	ANNULAR GEOMETRY & RHEOLOGY						Water Added (+)	3192.5
M.B.T. (Methylene Blue Capacity) (ppb)							annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	0.0
pH				7.8		7.8							OBM Lost to Hole	-551.4
Alkalinity, Mud Pm													Water Pump Down Hole	-3192.6
Alkalinities, Filtrate Pf/Mf							3.21x4.5	9,893'	-931.0		8.40		Est. Total on Location	2092.0
Chlorides (mg/L)				3500		900	0x4.5	17,455'	-457.3		8.40		Est. Losses/Gains (-)/(+)	0.0
Calcium (ppm)				120		40	0x5.312	17,484'	-328.2		8.40		BIT HYDRAULICS DATA	
Excess Lime (lb/bbl)							0x4.5	17,673'	-457.3		8.40		Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Average Specific Gravity of Solids				2.60	2.60	2.60	0x5	17,804'	-370.4		8.40			50 psi 18 18 18
Percent Low Gravity Solids				0.2%		0.3%							Bit Impact Force / Nozzle Velocity (ft/sec)	18 18 18
Percent Drill Solids				0.2%		0.3%								
PPA Spurt / Total (ml) @			@ 0 °F				BIT DATA		Manuf./Type	GTD64M			134 lbs	81
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD	Calc. Circ. Pressure
Sample Taken By				E.Sanchez		R. Bowlin		17,489 ft					psi	645 psi

Remarks/Recommendations:

Skid Vol. 2116bbl

Frac Tank Vol: 1,545 bbl

Received 810 bbl OBM

Returned 96 bbl OBM

Rig Activity:

POOH to BHA, pumping calculated fill. Pumped 84 bbl of 16.5 bbl Kill Mud. P/U BHA and TIH and began pumping Kill mud down back side from 2,800' to 4,900'. Continue TIH to 16,300' and began reaming down to 17,489'. Resume drilling/sliding to 17,804 @ 105 ft/hr. Continue to pump OBM sweeps as needed. Pumping Kill Mud as needed to control casing pressure. Adding PHPA to drill water. Total F/water pumped:3,192.6 bbl, and OBM:551.4 bbl.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Robert Bowlin	Edgar Sanchez	MIDLAND	WH #2	
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$39,959.72	**$186,186.40**
INCLUDING 3RD PARTY CHARGES	**$39,959.72**	**$262,322.48**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/12/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	35		33	2	$82.72	13	$537.68
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
CACL2 (50)	50# sk	$14.32	336		336			118	$1,689.76
LIME (50)	50# sk	$5.00	150		150			287	$1,435.00
OPTI - G	50# sk	$30.59	125		125			80	$2,447.20
BENTONE 38 (50)	50# sk	$163.94	45		45			10	$1,639.40
BENTONE 910 (50)	50# sk	$59.40						12	$712.80
BENTONE 990 (50)	50# sk	$83.59	85		85			32	$2,674.88
OPTI - MUL	gal	$10.75	385		385			220	$2,365.00
OPTI - WET	gal	$8.34	300		300			195	$1,626.30
NEW PHALT	50# sk	$38.72	115		115			5	$193.60
OIL SORB (25)	25# sk	$4.75	92		92				
NEW CARB (M)	50# sk	$5.25	133		133			10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05	144		144			26	$729.30
NEW PLUG M	50# sk	$10.51	70		70				
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			38	$437.00
BARITE BULK (100)	100# sk	$7.00	1380	400	1300	480	$3,360.00	1334	$9,338.00
OPTI DRILL (OBM)	bbl	$65.00	1896	714	2092	518	$33,670.00	2067	$134,355.00
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							
Scale Ticket	each	$15.00				1	$15.00	3	$45.00
TRUCKING (cwt)	each	$1.98				400	$792.00	1201	$2,377.98
TRUCKING (min)	each	$650.00						1	$650.00
PALLETS (ea)	each	$12.00						11	$132.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00

Daily Sub-Total $39,959.72	Cumulative Total $186,186.40	$186,186.40

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/12/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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	240		240				
SB SUPER CEAL	25# sk	$80.00	253		253				
Clements WBM	bbl	$45.36	149		149				
DIESEL TRANSFER F/3H	gal	$2.38						14972	$35,633.36
DIESEL RECEIVED 7/1/21	gal	$2.36						3100	$7,316.00
DIESEL RECEIVED 7/2/21	gal	$2.38						2286	$5,440.68
DIESEL RECEIVED 7/4/21	gal	$2.38							
Skid Vol. 8_6_21	gal	$2.32						7200	$16,704.00
OBM_D 8_6_21	gal	$2.28	2356		2356			4843	$11,042.04
OBM-D 8_9_21	gal	$2.27	7200		7200				
									$76,136.08

Cumulative Total AES & 3rd Party $262,322.48

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BORGSTEDT OL 2H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/2/21	7/3/21	7/4/21	7/5/21	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
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
	Starting Depth	2,715	4,180	9,100	9,828	9,906	9,906															
	Ending Depth	4,180	9,100	9,828	9,906	9,906																
15,089	Footage Drilled	1,465	4,920	728	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,031	New Hole Vol.	139	466	69	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,970	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
42	Chemical Additions	4	9		4	-																
707	Base Fluid Added	38	211	112	31	24																
95	Barite Increase	-			14	-																
3,270	Weighted Mud Added	-				-																
-	Slurry Added	-				-																
20,817	Water Added	-				-																
-	Added for Washout					-																
24,930	Total Additions	42	220	112	48	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	Surface Losses					50																
22,691	Formation Loss					24																
498	Mud Loss to Cuttings	144	242	85	12	-																
444	Unrecoverable Volume	20	102	157	130	-																
15	Centrifuge Losses					15																
23,728	Total Losses	164	344	242	142	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,081	Mud Transferred Out					1,985																
2,092	Ending System Volume	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
-	Mud Recovered																					

4,159

Comments:		Comments:	Comments:
7/2/21	Transfer 2970 bbl from Borgstedt OL 3-H Lost 144 bbl of mud cutting retention /19 bbl loses running over shakers	7/9/21	7/16/21
7/3/21	Lost 242 bbl cutting retention, Lost 102 bbl centrifuge/over shakers	7/10/21	7/17/21
7/4/21		7/11/21	7/18/21
7/5/21		7/12/21	7/19/21
7/6/21	Transfer report, to BOONE C-1H. Losses reflect cementing and casing run losse. Centrifuge application to reduce MW to 9#. Transfer 1985bbl to Boone C-1H.450bbls left inside casing.	7/13/21	7/20/21
7/7/21		7/14/21	7/21/21
7/8/21		7/15/21	7/22/21

8/12/2021 **Report 14 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

11.1° **3,630' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**288 ft**	**18,092 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**		**TOOH**
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
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**7-8**	**<25**	**2-10**

MUD PROPERTIES

Time Sample Taken	0:05		12:00
Sample Location	pit		Suction
Flowline Temperature °F			
Depth (ft)	17,804'		18,092'
Mud Weight (ppg)	8.4		8.4
Funnel Vis (sec/qt) @ 90 °F	29		26
600 rpm	5		3
300 rpm	4		2
200 rpm	3		1
100 rpm	2		1
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	3		1
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/2		1/1
Gel Strength (lb/100 ft2) 30 min	3		1
API Filtrate / Cake Thickness			
HTHP Filtrate / Cake Thickness			
Retort Solids Content	0.3%		0.4%
Retort Oil Content	0.5%		
Retort Water Content	99.2%		99.6%
Sand Content	0%		0%
M.B.T. (Methylene Blue Capacity) (ppb)			
pH	7.8		7.6
Alkalinity, Mud Pm			
Alkalinities, Filtrate Pf/Mf			
Chlorides (mg/L)	3500		900
Calcium (ppm)	120		40
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	0.2%		0.3%
Percent Drill Solids	0.2%		0.3%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	E.Sanchez		R. Bowlin

MUD VOLUME (BBL)

In Pits	287 bbl
In Hole	77 bbl
Active	302 bbl
Storage	1854 bbl
Tot. on Location	2218 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
Stroke
bbl/stk
stk/min
gal/min

Mud Wt. = 8.4 PV=1 YP=3 **CIRCULATION DATA** n = 0.322 K = 274.0

Bit Depth = 3,663 ' | Washout = | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
22.0 bbl	Bottoms Up Vol. -36.2 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 301.7 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	3,314'	
DP / AGI.	5.312	2.562	30'	3,314'
Drill Pipe	4.500	3.826	189'	3,343'
Dir. BHA	5.000	2.688	131'	3,532'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,715'	
Int. Csg.	7 5/8	3.210	9,893'	
Open Hole Size			18,092'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
3.21x4.5	3,314'			8.40
3.21x5.312	3,343'			8.40
3.21x4.5	3,532'			8.40
3.21x5	3,663'			8.40

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
	17,489 ft	6.0	603 ft	100.5

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2092.0
Transferred In(+)/Out(-)	299.0
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
OBM Lost to Hole	
Water Pump Down Hole	
Est. Total on Location	2391.0
Est. Losses/Gains (-)/(+)	-172.9

BIT HYDRAULICS DATA

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

Motor/MWD	Calc. Circ. Pressure
	psi

Afternoon Remarks/Recommendations:

Rec. 331bbls 9.0ppg

150bbls 16.0ppg Kill mud on order receiving tonight

Returned 32bbls @ 9.6ppg

Afternoon Rig Activity:

Drilled to TD at 18,092'MD with fresh drill H2O as the primary circulating fluid, circulated back to area of loss, washed and reamed out to 14,000'MD. Strip out from 14,000'MD to 9,700'MD filling with 9.5ppg/1.9bbls per stand. Flow check no flow strip from 9,700'MD to 8,800'MD filling with 17.5ppg/1.9bbls per stand. Strip from 8,800'MD to 5,000'MD filling with 9.5ppg/ 1.9bbls per stand. Strip from 5,000'MD to 3,663' MD filling with 17.5ppg / 1.9bbls per stand at the time of the afternoon report.

08/13/21 **Report #15**

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

OUTSOURCE FLUID SOLUTIONS LLC.

2.1° **1,200' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**06/23/21**	**288 ft**	**18,092 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**0 ft/hr**	**Running Casing**
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							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	GELS	pH	API fl	% Solids	In Pits	272 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**7-8**	**<25**	**2-10**	In Hole	0 bbl	Stroke	12	Stroke	12	Stroke	
				8/13/21		8/12/21	Active	265 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				0:05		12:00	Storage	1845 bbl	stk/min		stk/min		stk/min	0
Sample Location				pit		Suction	Tot. on Location	2117 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		CIRCULATION DATA				n = 0.585	K = 26.563
Depth (ft)				18,092'		18,092'	Bit Depth = 1,200 '		Washout = 0%		Pump Efficiency = 95%			
Mud Weight (ppg)				8.4		8.4	Drill String Disp.	Volume to Bit 21.3 bbl	Strokes To Bit		Time To Bit			
Funnel Vis (sec/qt)			@ 90 °F	29		26		Bottoms Up Vol. -28.2 bbl	BottomsUp Stks		BottomsUp Time			
600 rpm				3		3	7.8 bbl	TotalCirc.Vol. 265.1 bbl	TotalCirc.Stks		Total Circ. Time			
300 rpm				2		2	DRILLING ASSEMBLY DATA				SOLIDS CONTROL			
200 rpm				1		1	Tubulars	OD (in.) ID (in.) Length Top			Unit	Screens	Hours	
100 rpm				1		1	Casing	5.000 4.276 1,200' 0'			Shaker 1	API 200's		
6 rpm				1		1		1,200'			Shaker 2	API 200's		
3 rpm				1		1		1,200'			Shaker 3	API 200's		
Plastic Viscosity (cp)			@ 120 °F	1		1		1,200'			Cuttings Dryer	API 140's		
Yield Point (lb/100 ft²)			T0 = 1	1		1	CASING & HOLE DATA							
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				VOLUME ACCOUNTING (bbls)			
API Filtrate / Cake Thickness							Surface	10 3/4 2,715' 0'			Prev. Total on Location			2092.0
HTHP Filtrate / Cake Thickness			@ 0 °F				Int. Csg.	7 5/8 0.890 9,893' 0'			Transferred In(+)/Out(-)			441.0
Retort Solids Content				0.4%		0.4%					Oil Added (+)			0.0
Retort Oil Content				0.3%							Barite Added (+)			22.3
Retort Water Content				99.3%		99.6%	Open Hole Size	0.000 18,092'			Other Product Usage (+)			0.0
Sand Content				0%		0%	ANNULAR GEOMETRY & RHEOLOGY				Water Added (+)			21407.7
M.B.T. (Methylene Blue Capacity) (ppb)							annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal	Left on Cuttings (-)		0.0
pH				7.8		7.6						OBM Lost to Hole		-463.3
Alkalinity, Mud Pm												Water Pump Down Hole		-21382.8
Alkalinities, Filtrate Pf/Mf							0.89x5	1,200'	0.0		8.40	Est. Total on Location		2116.8
Chlorides (mg/L)				800		900						Est. Losses/Gains (-)/(+)		0.0
Calcium (ppm)				80		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							psi	18 18 18
Percent Low Gravity Solids				0.4%		0.3%						Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Drill Solids				0.4%		0.3%								
PPA Spurt / Total (ml) @			@ 0 °F				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		R. Bowlin		17,489 ft	6.0	603 ft	100.5	psi		

Remarks/Recommendations:

Skid Vol. 2116bbl

Frac Tank Vol: 1,545 bbl

OBM Rec.Last 24 hrs: 473 bbl

OBM Return Last 24 hrs: 32 bbl

Rig Activity:

Drilled to TD at 18,092'MD with fresh drill H2O as the primary circulating fluid. Pumped two 20 bbl OBM sweep and circulated back to loss zone 14,200' (5670 strokes). Washed and reamed out to 14,000'MD. Strip out from 14,000'MD to 9,700'MD filling with 9.5ppg/1.9bbls per stand. Flow check no flow strip from 9,700'MD to 8,800'MD filling with 17.5ppg/1.9bbls per stand. Strip from 8,800'MD to 5,000'MD filling with 9.5ppg/ 1.9bbls per stand. Strip from 5,000'MD to surface filling with 17.5ppg / 1.9bbls per stand. L/D BHA and Cleaned rig floor. R/U and Held S/M with casing crew and began running 5'' casing to 1,200' at report time. Plan ahead is to continue runnning 5' and 5.5'' casing to bottom.
Total F/water pumped:21382.8 bbl, and OBM:463.3 bbl.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:	Daily Total	Cumulative Cost
Robert Bowlin	Edgar Sanchez	MIDLAND	WH #2			
Phone: 228-990-1055	Phone: 956-693-3035	Phone: 432-686-7361	Phone: -		**$33,176.00**	**$219,362.40**

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

INCLUDING 3RD PARTY CHARGES	**$33,176.00**	**$295,498.48**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/13/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	33		33			13	$537.68
CAUSTIC SODA (50)	50# sk	$27.76	32		32				
CACL2 (50)	50# sk	$14.32	336		336			118	$1,689.76
LIME (50)	50# sk	$5.00	150		150			287	$1,435.00
OPTI - G	50# sk	$30.59	125		125			80	$2,447.20
BENTONE 38 (50)	50# sk	$163.94	45		45			10	$1,639.40
BENTONE 910 (50)	50# sk	$59.40						12	$712.80
BENTONE 990 (50)	50# sk	$83.59	85		85			32	$2,674.88
OPTI - MUL	gal	$10.75	385		385			220	$2,365.00
OPTI - WET	gal	$8.34	300		300			195	$1,626.30
NEW PHALT	50# sk	$38.72	115		115			5	$193.60
OIL SORB (25)	25# sk	$4.75	92		92				
NEW CARB (M)	50# sk	$5.25	133		133			10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05	144		144			26	$729.30
NEW PLUG M	50# sk	$10.51	70		70				
NEW WATE (SACK BARITE)	100# sk	$11.50	120		120			38	$437.00
BARITE BULK (100)	100# sk	$7.00	1300	400	1380	320	$2,240.00	1654	$11,578.00
OPTI DRILL (OBM)	bbl	$65.00	2092	441	2117	416	$27,040.00	2483	$161,395.00
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				1049	$1,049.00	1049	$1,049.00
Scale Ticket	each	$15.00				1	$15.00	4	$60.00
TRUCKING (cwt)	each	$1.98				400	$792.00	1601	$3,169.98
TRUCKING (min)	each	$650.00						1	$650.00
PALLETS (ea)	each	$12.00						11	$132.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00

Daily Sub-Total $33,176.00	Cumulative Total $219,362.40	$219,362.40

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/13/21	**MAGNOLIA OIL & GAS**	**BORGSTEDT OL 2H**	**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	240		240				
SB SUPER CEAL	25# sk	$80.00	253		253				
Clements WBM	bbl	$45.36	149		149				
DIESEL TRANSFER F/3H	gal	$2.38						14972	$35,633.36
DIESEL RECEIVED 7/1/21	gal	$2.36						3100	$7,316.00
DIESEL RECEIVED 7/2/21	gal	$2.38						2286	$5,440.68
DIESEL RECEIVED 7/4/21	gal	$2.38							
Skid Vol. 8_6_21	gal	$2.32						7200	$16,704.00
OBM_D 8_6_21	gal	$2.28	2356		2356			4843	$11,042.04
OBM-D 8_9_21	gal	$2.27	7200		7200				
OBM_D8_12_21	gal	$2.27		5000	5000				
									$76,136.08

Cumulative Total AES & 3rd Party $295,498.48

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	285
Well Name:	BORGSTEDT OL 2H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/2/21	7/3/21	7/4/21	7/5/21	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
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
	Starting Depth	2,715	4,180	9,100	9,828	9,906	9,906															
	Ending Depth	4,180	9,100	9,828	9,906	9,906																
15,377	Footage Drilled	1,465	4,920	728	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,044	New Hole Vol.	139	466	69	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,970	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
42	Chemical Additions	4	9		4	-																
707	Base Fluid Added	38	211	112	31	24																
117	Barite Increase	-			14	-																
3,743	Weighted Mud Added	-				-																
-	Slurry Added	-				-																
42,224	Water Added	-				-																
-	Added for Washout					-																
46,833	Total Additions	42	220	112	48	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	Surface Losses					50																
44,537	Formation Loss					24																
498	Mud Loss to Cuttings	144	242	85	12	-																
444	Unrecoverable Volume	20	102	157	130	-																
15	Centrifuge Losses					15																
45,574	Total Losses	164	344	242	142	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,113	Mud Transferred Out					1,985																
2,117	Ending System Volume	2,848	2,724	2,594	2,500	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449	449
-	Mud Recovered																					

	Comments:	Comments:	Comments:
4,600	7/2/21 Transfer 2970 bbl from Borgstedt OL 3-H Lost 144 bbl of mud cutting retention /19 bbl loses running over shakers	7/9/21	7/16/21
	7/3/21 Lost 242 bbl cutting retention, Lost 102 bbl centrifuge/over shakers	7/10/21	7/17/21
	7/4/21	7/11/21	7/18/21
	7/5/21	7/12/21	7/19/21
	7/6/21 Transfer report, to BOONE C-1H. Losses reflect cementing and casing run losse. Centrifuge application to reduce MW to 9#. Transfer 1985bbl to Boone C-1H.450bbls left inside casing.	7/13/21	7/20/21
	7/7/21	7/14/21	7/21/21
	7/8/21	7/15/21	7/22/21

08/14/21 **Report #16**

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**	**06/23/21**	**0 ft**	**18,092 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BORGSTEDT OL 2H	**285**	**TEXAS**	**06/22/21**	**0 ft/hr**	**R/D for mSkid**
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**	**7-8**	**<25**	**2-10**
				8/14/21		8/14/21
Time Sample Taken				0:05		12:00
Sample Location				NO MUD		pit
Flowline Temperature °F						
Depth (ft)				18,092'		18,092'
Mud Weight (ppg)						8.4
Funnel Vis (sec/qt)			@ 90 °F			26
600 rpm						3
300 rpm						2
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			1
Gel Strength (lb/100 ft²)			10 sec/10 min			1/1
Gel Strength (lb/100 ft^2)			30 min			1
API Filtrate / Cake Thickness						
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content						0.4%
Retort Oil Content						
Retort Water Content						99.6%
Sand Content						0%
M.B.T. (Methylene Blue Capacity) (ppb)						
pH						7.6
Alkalinity, Mud Pm						
Alkalinities, Filtrate Pf/Mf						
Chlorides (mg/L)						900
Calcium (ppm)						40
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids						0.3%
Percent Drill Solids						0.3%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				B.Guidry		A. ROMAN

MUD VOLUME (BBL)

In Pits	224 bbl
In Hole	0 bbl
Active	224 bbl
Storage	1916 bbl
Tot. on Location	2140 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

PHHP = 0 **CIRCULATION DATA** n = 0.585 K = 26.563

Washout = 0% 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.	224.0 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				
Surface	10 3/4		2,715'	0'
Int. Csg.	7 5/8		9,893'	0'
Prod.	5 1/2	4.800	8,669'	0'
Prod.	5	1.730	18,078'	8,669'
Open Hole Size		0.000	18,092'	

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	Motor/MWD	Calc. Circ. Pressure

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2116.8
Transferred In(+)/Out(-)	57.0
Oil Added (+)	0.0
Barite Added (+)	40.4
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
OBM Lost to Hole	-74.2
Water Pump Down Hole	
Est. Total on Location	2139.9
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Remarks/Recommendations:

Skid Vol. 2,116 bbl

Frac Tank Vol: 1,916 bbl

OBM Rec.Last 24 hrs: 57 bbls OBM 16# Kill Mud

TOTAL OBM 2,140 bbls

Skid to BORGESTETD OL 3H Vol. = 2140 bbls

Rig Activity:

Continue with Casing run, 5" & 5.5". Fill up casing with fresh water, Pump OBM on back side when needed to casing pressure 0psi. Casing run in the hole with no problems. Pumped 1.5 casing capacity and start on cementing operations (2 stage job). Set injection rates with 100 bbls of WBM on backside prior to second stage cement. Perform Cement job with no issues. Casing pressure 0psi. All Chemicals and OBM are transferred to BORGSTEDT OL 3H well.

Eng. 1:	Adolfo Roman	Eng. 2:	Bart Guidry	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	956-821-9994	Phone:	337-250-3841	Phone:	432-686-7361	Phone:	-	

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

	Daily Total	Cumulative Cost
	$8,890.00	**$228,252.40**
INCLUDING 3RD PARTY CHARGES	**$15,648.64**	**$311,147.12**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/14/21	MAGNOLIA OIL & GAS	BORGSTEDT OL 2H	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						50	$2,228.00
PHPA LIQUID (pail)	5 gal	$41.36	33	-33				13	$537.68
CAUSTIC SODA (50)	50# sk	$27.76	32	-32					
CACL2 (50)	50# sk	$14.32	336	-336				118	$1,689.76
LIME (50)	50# sk	$5.00	150	-150				287	$1,435.00
OPTI - G	50# sk	$30.59	125	-125				80	$2,447.20
BENTONE 38 (50)	50# sk	$163.94	45	-45				10	$1,639.40
BENTONE 910 (50)	50# sk	$59.40						12	$712.80
BENTONE 990 (50)	50# sk	$83.59	85	-85				32	$2,674.88
OPTI - MUL	gal	$10.75	385	-385				220	$2,365.00
OPTI - WET	gal	$8.34	300	-300				195	$1,626.30
NEW PHALT	50# sk	$38.72	115	-115				5	$193.60
OIL SORB (25)	25# sk	$4.75	92	-92					
NEW CARB (M)	50# sk	$5.25	133	-133				10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05	144	-144				26	$729.30
NEW PLUG M	50# sk	$10.51	70	-70					
NEW WATE (SACK BARITE)	100# sk	$11.50	120	-120				38	$437.00
BARITE BULK (100)	100# sk	$7.00	1380	-800		580	$4,060.00	2234	$15,638.00
OPTI DRILL (OBM)	bbl	$65.00	2117	-2140	-57	34	$2,210.00	2517	$163,605.00
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				580	$580.00	1629	$1,629.00
Scale Ticket	each	$15.00						4	$60.00
TRUCKING (cwt)	each	$1.98						1601	$3,169.98
TRUCKING (min)	each	$650.00						1	$650.00
PALLETS (ea)	each	$12.00						11	$132.00
SHRINK WRAP (ea)	each	$12.00						10	$120.00
		Daily Sub-Total $8,890.00			**Cumulative Total $228,252.40**			**$228,252.40**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/14/21	**MAGNOLIA OIL & GAS**	**BORGSTEDT OL 2H**	**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	240	-240					
SB SUPER CEAL	25# sk	$80.00	253	-253					
Clements WBM	bbl	$45.36	149			149	$6,758.64	149	$6,758.64
DIESEL TRANSFER F/3H	gal	$2.38						14972	$35,633.36
DIESEL RECEIVED 7/1/21	gal	$2.36						3100	$7,316.00
DIESEL RECEIVED 7/2/21	gal	$2.38						2286	$5,440.68
DIESEL RECEIVED 7/4/21	gal	$2.38							
Skid Vol. 8_6_21	gal	$2.32						7200	$16,704.00
OBM_D 8_6_21	gal	$2.28	2356	-2356				4843	$11,042.04
OBM-D 8_9_21	gal	$2.27	7200	-7200					
OBM_D8_12_21	gal	$2.27	5000	-5000					
						Daily Sub-Total	**$6,758.64**		**$82,894.72**

Cumulative Total AES & 3rd Party $311,147.12