01/15/21 **Report #1**

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

OUTSOURCE FLUID SOLUTIONS LLC.

16.0° **2,821' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**2,904 ft**	**2,904 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**415 ft/hr**	**Skid / Cement**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
				1/15/21		1/14/21
Time Sample Taken				2:00		14:00
Sample Location				suction		suction
Flowline Temperature °F				100 °F		100 °F
Depth (ft)				2,925'		1,004'
Mud Weight (ppg)				8.8		8.5
Funnel Vis (sec/qt)			@ 90 °F	34		30
600 rpm				5		2
300 rpm				3		2
200 rpm				2		1
100 rpm				1		1
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	2		
Yield Point (lb/100 ft²)			T0 = 1	1		2
Gel Strength (lb/100 ft²)			10 sec/10 min	1/4		1/2
Gel Strength (lb/100 ft^2)			30 min	6		4
API Filtrate / Cake Thickness				20/2		25/2
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				3.4%		1.2%
Retort Oil Content						
Retort Water Content				96.6%		98.8%
Sand Content				1%		0.5%
M.B.T. (Methylene Blue Capacity) (ppb)				3.0		1.5
pH				8.4		8.4
Alkalinity, Mud Pm				0.1		0.1
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.2
Chlorides (mg/L)				600		400
Calcium (ppm)				120		120
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				3.4%		1.1%
Percent Drill Solids				3.4%		1.1%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By						

MUD VOLUME (BBL)

In Pits	458 bbl
In Hole	475 bbl
Active	931 bbl
Storage	
Tot. on Location	933 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 0 | n = 0.737 K = 15.441

Bit Depth = 2,893 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.				
46.5 bbl	Volume to Bit	278.2 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	194.9 bbl	BottomsUp Stks	BottomsUp Time
	Riser Ann. Vol.	-12.1 bbl	Riser Strokes	Riser Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	10.750	9.950	2,893'	0'
				2,893'
				2,893'
				2,893'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface				108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	13.860		2,904'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x10.75	108'	0.0		8.80
13.86x10.75	2,893'	0.0	lam	8.80

BIT DATA | Manuf./Type Ulterra U616S

Size	Depth In	Hours	Footage	ROP ft/hr
13 1/5	108 ft	7.0	2,904 ft	414.9

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	12.0
Shaker 2	140-80	12.0
Shaker 3	140-80	12.0
Desander		12.0
Desilter		12.0
Centrifuge 1	140-80	12.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	0.0
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	2.3
Water Added (+)	2343.8
Left on Cuttings (-)	-812.9
Sand Trap Discharge	-600.0
Est. Total on Location	933.2
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Motor/MWD	Calc. Circ. Pressure
1,350 psi	

Remarks/Recommendations:

OBM RECEIVED: bbls / OBM RETURNED:

OBM ON SURFACE--- bbls (Storage + Active)

OBM LOSS/GAIN--(Daily-- 0)----Total (0)

Displace Cement with 215bbls / OBM 9.3ppg.

Rig Activity:

In the past 24hrs: Skid rig over from the Sabine A-1H, Pick up and make up BHA for surface hole while cementing off-line on the A-1H. Drilled surface 13.5" hole to TD 2904', using fresh water, laden with SAPP and Drilling Detergent as primary median. Pump Fresh water sweeps (SAPP & Soap) while drilling, dumping sand trap every 300'. At TD circulate hole clean, pump Hi-Vis sweep to assist on hole cleaning prior to running Surface casing. Rig up Casing crew and Run (10.75" / 45.5# / BTC / P-110) surface casing in the hole. Set circulation on last joint of casing and wash to bottom. Retrieve landing joint and make preparations to skid rig and cement off-line. At this time: Skid rig over to SABINE C 3-H.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Mike Washburn	Adolfo Roman	MIDLAND	WH #2	
Phone: 361-945-5777	Phone: 956-821-9994	Phone: 432-686-7361	Phone: -	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$3,246.80	**$3,246.80**
INCLUDING 3RD PARTY CHARGES	**$3,246.80**	**$3,246.80**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
01/15/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	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		104	74	30	$1,336.80	30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36		62	62				
EVO-LUBE	gal	$14.00		550	550				
NEW GEL (PREMIUM)	100# sk	$19.75		70	70				
ALUMINUM TRISTEARATE	25# sk	$162.83		19	19				
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							
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							
BARITE BULK (100)	100# sk	$7.00							
OPTI DRILL (OBM)	bbl	$65.00							
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	2	$1,850.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	2	$60.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							

Daily Sub-Total $3,246.80	Cumulative Total $3,246.80	$3,246.80

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
01/15/21	**MAGNOLIA OIL & GAS**	**SABINE B 2-H**	**248**	**Report #1**

	DAILY USAGE & COST							CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75							

Cumulative Total AES & 3rd Party $3,246.80

01/30/21 **Report #3**

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

OUTSOURCE FLUID SOLUTIONS LLC.

12.4° **6,423' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**3,739 ft**	**6,643 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**665 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Kevin Burt	**Tool Pusher**	**GIDDIGNS**	**OBM**	**891 gpm**	**5,364 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	663 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
8.8-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**	In Hole	597 bbl	Stroke	12	Stroke	12	Stroke	12
				1/30/21	1/29/21	1/29/21	Active	1260 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Time Sample Taken				2:30	20:18	11:00	Storage	2037 bbl	stk/min	139	stk/min	139	stk/min	
Sample Location				suction	suction	suction	Tot. on Location	3297 bbl	gal/min	445	gal/min	445	gal/min	0
Flowline Temperature °F				142 °F	125 °F		PHHP = 2788		**CIRCULATION DATA**				n = 0.632	K = 197.766
Depth (ft)				6,469'	4,076'	2,904'	Bit Depth = 6,643 '		Washout =				Pump Efficiency = 95%	
Mud Weight (ppg)				9.3	9.2	8.9	Drill String Disp.	Volume to Bit 133.0 bbl	Strokes To Bit	1,743			Time To Bit	6 min
Funnel Vis (sec/qt)		@ 121 °F		43	44	47		Bottoms Up Vol. 463.7 bbl	BottomsUp Stks	6,076			BottomsUp Time	22 min
600 rpm				31	28	30	36.8 bbl	TotalCirc.Vol. 1259.7 bbl	TotalCirc.Stks	16,507			Total Circ. Time	59 min
300 rpm				20	17	19	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				16	13	15	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				12	9	11	Drill Pipe	5.000	4.680	6,041'	0'		Shaker 1	140	10.5
6 rpm				5	4	5	Hevi Wt	5.000	3.000	274'	6,041'		Shaker 2	140	10.5
3 rpm				4	5	4	Collars	6.500	2.875	188'	6,315'		Shaker 3	140	10.5
Plastic Viscosity (cp)		@ 150 °F		11	11	11	Dir. BHA	8.000	2.000	140'	6,503'		NOV Drying Shakers	140	10.5
Yield Point (lb/100 ft²)		T0 = 3		9	6	8	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)		10 sec/10 min		5/9	4/7	5/8	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1	NOV	2.0
Gel Strength (lb/100 ft^2)		30 min		11	9	10	Riser						**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)		@ 250 °F		6.4	6.8	6.8	Surface	10 3/4	9.950	2,893'	0'		Prev. Total on Location		267.8
HTHP Cake Thickness (32nds)				2.0	2.0	2.0	Int. Csg.				0'		Transferred In(+)/Out(-)		2692.0
Retort Solids Content				10.8%	10%	9%	Washout 1						Oil Added (+)		469.1
Corrected Solids (vol%)				9%	8.5%	7.2%	Washout 2						Barite Added (+)		0.0
Retort Oil Content				66.7%	66%	70.5%	Open Hole Size	9.875	6,643'				Other Product Usage (+)		27.8
Retort Water Content				22.5%	24%	20.5%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		60.0
O/W Ratio				75:25	73:27	77:23	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-212.5
Whole Mud Chlorides (mg/L)				46,000	40,000	45,000							Evap/ Cent/ Pits		-7.5
Water Phase Salinity (ppm)				242,760	207,197	256,071									
Whole Mud Alkalinity, Pom				1.9	1.7	2.5	9.95x5	2,893'	295.1	turb	10.03		Est. Total on Location		3296.7
Excess Lime (lb/bbl)				2.5 ppb	2.2 ppb	3.3 ppb	9.875x5	6,041'	301.1	turb	10.28		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				442 v	363 v	378 v	9.875x5	6,315'	301.1	turb	10.74		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				2.88	2.90	2.77	9.875x6.5	6,503'	395.1	turb	11.20		Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				6.3%	5.8%	5.5%	9.875x8	6,643'	651.6	turb	11.72		2.08	306 psi	16 16 16
ppb Low Gravity Solids				52 ppb	48 ppb	45 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	14 14 14
Percent Barite				2.7%	2.7%	1.7%									14 14 14
ppb Barite				39 ppb	39 ppb	25 ppb	**BIT DATA**		Manuf./Type		Ulterra_613		823 lbs	192	
Estimated Total LCM in System		ppb					Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				R. Bowlin	R. Bowlin	M. Meehan	9 7/8	2,808 ft	10.5	3,835 ft	365.2		2,900 psi		5,357 psi

Remarks/Recommendations:

OBM RECEIVED: 2942bbls

OBM ON SURFACE--- 2700bbls (Storage + Active)

OBM LOSS__(Daily)___Total (0)

MWD Temp: 199 Deg.

Rig Activity:

Skid to B-2H, tested BOP's and PU the 9.875" BHA. TIH to the float at 2,808'MD, drilled the shoe track and 10' of new formation. Pref FIT to 11.6ppg EMW with a 9.2ppg MW with 352PSI. At the time of the am report drilling ahead at 6,643MD. Pumping 10bbls/ 12.5ppb LCM laden sweeps every 3rd stand. Continued aggressive additions of diesel at 10-32bph. Diesel usage reflects the volumes used to blend 9.8ppg in the frac to a 9.0ppg (126bbls) and the reconditioning of the active surface volume to 8.8ppg. Pretreated with Mul. Wet, CaCl2, Opti-G and Lime for drill out. Chemical treatments will be made to maintain the drilling fluid within the recommended parameters. Began drill H2O additions at ,6,639'MD 03:35hrs

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:	Daily Total	Cumulative Cost
Matt Meehan	Rob Bowlin	MIDLAND	WH #2	
Phone: 985-351-7561	Phone: 228-990-1055	Phone: 432-686-7361	Phone: -		**$12,846.92**	**$16,093.72**

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

INCLUDING 3RD PARTY CHARGES	**$47,338.14**	**$50,584.94**

1/30/2021

Report 3 pm

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

12.4° **7,797' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**1,407 ft**	**8,050 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**571 ft/hr**	**Drilling**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Kevin Burt	**Tool Pusher**	**GIDDIGNS**	**OBM**	**891 gpm**	**5,131 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**

MUD PROPERTIES

Time Sample Taken	2:30	20:18	11:00
Sample Location	suction	suction	suction
Flowline Temperature °F	142 °F	125 °F	148 °F
Depth (ft)	6,469'	4,076'	8,050'
Mud Weight (ppg)	9.3	9.2	9.3
Funnel Vis (sec/qt) @ 121 °F	43	44	42
600 rpm	31	28	28
300 rpm	20	17	18
200 rpm	16	13	14
100 rpm	12	9	11
6 rpm	5	5	5
3 rpm	4	4	4
Plastic Viscosity (cp) @ 150 °F	11	11	10
Yield Point (lb/100 ft²) T0 = 3	9	6	8
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/9	4/7	5/8
Gel Strength (lb/100 ft2) 30 min	11	9	10
HTHP Filtrate (cm/30 min) @ 250 °F	6.4	6.8	6.0
HTHP Cake Thickness (32nds)	2.0	2.0	2.0
Retort Solids Content	10.8%	10%	11%
Corrected Solids (vol%)	9%	8.5%	9.2%
Retort Oil Content	66.7%	66%	68.5%
Retort Water Content	22.5%	24%	20.5%
O/W Ratio	75:25	73:27	77:23
Whole Mud Chlorides (mg/L)	46,000	40,000	46,000
Water Phase Salinity (ppm)	242,760	207,197	260,280
Whole Mud Alkalinity, Pom	1.9	1.7	2.5
Excess Lime (lb/bbl)	2.5 ppb	2.2 ppb	3.3 ppb
Electrical Stability (volts)	442 v	363 v	454 v
Average Specific Gravity of Solids	2.88	2.90	2.87
Percent Low Gravity Solids	6.3%	5.8%	6.5%
ppb Low Gravity Solids	52 ppb	48 ppb	53 ppb
Percent Barite	2.7%	2.7%	2.7%
ppb Barite	39 ppb	39 ppb	39 ppb
Estimated Total LCM in System			
Sample Taken By	R. Bowlin	R. Bowlin	M. Meehan

MUD VOLUME (BBL)

In Pits	558 bbl
In Hole	726 bbl
Active	1284 bbl
Storage	2017 bbl
Tot. on Location	3301 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	139
gal/min	445

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	139
gal/min	445

RISER BOOSTER

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

Mud Wt. = 9.3 PV=11 YP=9 **CIRCULATION DATA** n = 0.632 K = 197.8

Bit Depth = 8,050 ' | Washout = | Pump Efficiency = 95%

Drill String Disp.							
41.0 bbl	Volume to Bit	162.9 bbl	Strokes To Bit	2,135	Time To Bit	8 min
	Bottoms Up Vol.	562.8 bbl	BottomsUp Stks	7,375	BottomsUp Time	27 min
	TotalCirc.Vol.	1283.7 bbl	TotalCirc.Stks	16,823	Total Circ. Time	61 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.680	7,448'	
Hevi Wt	5.000	3.000	274'	7,448'
Collars	6.500	2.875	188'	7,722'
Dir. BHA	8.000	2.000	140'	7,910'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	2,893'	
Int. Csg.				
Washout 1				
Washout 2				
Open Hole Size	9.875		8,050'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	2,893'	295.1	turb	9.96
9.875x5	7,448'	301.1	turb	10.14
9.875x5	7,722'	301.1	turb	10.54
9.875x6.5	7,910'	395.1	turb	10.95
9.875x8	8,050'	651.6	turb	11.40

BIT DATA Manuf./Type Ulterra_613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,808 ft	19.0	5,242 ft	275.9

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	12.0
Shaker 2	140	12.0
Shaker 3	140	12.0
NOV Drying Shakers	140	12.0
Centrifuge 1	NOV	1.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3296.7
Transferred In(+)/Out(-)	
Oil Added (+)	88.1
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	15.9
Left on Cuttings (-)	-80.0
Evap/ Cent/ Pits	
Lost Returns (-)	-20.0
Est. Total on Location	3300.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
2.08	306 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		14	14	14
823 lbs	192			

Motor/MWD	Calc. Circ. Pressure
2,500 psi	5,131 psi

Afternoon Remarks/Recommendations:

Pump a 10 bbl LCM sweep every 300 ft. Sweep Contains:

10 ppb Newcarb, 10 ppb Newphalt and 10 ppb Magnafiber fine

Afternoon Rig Activity:

Drilling ahead and sliding as needed to maintain the angle in the vertical section. Pumping a 10 bbl LCM sweep every 300 ft. At 8000 ft. begin adding 10 sx per hour of NewCarb and First Response to the system to reduce seepage losses. Lowered the HTHP fluid loss with additions of Opti-G. Increased the chloride concentration with additions of Calcium Chloride.

01/31/21 **Report #4**

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

OUTSOURCE FLUID SOLUTIONS LLC.

3.8° **10,014' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**3,672 ft**	**10,315 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**0 ft/hr**	**TD Circ**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Kevin Burt	**Tool Pusher**	**GIDDIGNS**	**OBM**	**891 gpm**	**5,245 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**
				1/31/21		1/30/21
Time Sample Taken				2:45		11:00
Sample Location				suction		suction
Flowline Temperature °F				165 °F		148 °F
Depth (ft)				10,284'		8,050'
Mud Weight (ppg)				9.5		9.3
Funnel Vis (sec/qt)			@ 140 °F	43		42
600 rpm				38		28
300 rpm				24		18
200 rpm				17		14
100 rpm				12		11
6 rpm				5		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	14		10
Yield Point (lb/100 ft²)			T0 = 3	10		8
Gel Strength (lb/100 ft²)			10 sec/10 min	5/10		5/8
Gel Strength (lb/100 ft^2)			30 min	12		10
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				11.8%		11%
Corrected Solids (vol%)				10%		9.2%
Retort Oil Content				67.7%		68.5%
Retort Water Content				20.5%		20.5%
O/W Ratio				77:23		77:23
Whole Mud Chlorides (mg/L)				45,000		46,000
Water Phase Salinity (ppm)				256,071		260,280
Whole Mud Alkalinity, Pom				1.8		2.5
Excess Lime (lb/bbl)				2.3 ppb		3.3 ppb
Electrical Stability (volts)				438 v		454 v
Average Specific Gravity of Solids				2.95		2.87
Percent Low Gravity Solids				6.5%		6.5%
ppb Low Gravity Solids				54 ppb		53 ppb
Percent Barite				3.5%		2.7%
ppb Barite				50 ppb		39 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				R. Bowlin	0	M. Meehan

MUD VOLUME (BBL)

In Pits	663 bbl
In Hole	962 bbl
Active	1624 bbl
Storage	1769 bbl
Tot. on Location	3394 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	139
gal/min	445

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	139
gal/min	445

RISER BOOSTER

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

PHHP = 2726 **CIRCULATION DATA** n = 0.663 K = 195.972

Bit Depth = 10,303 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.					
47.8 bbl	Volume to Bit	210.9 bbl	Strokes To Bit	2,763	Time To Bit 10 min
	Bottoms Up Vol.	749.9 bbl	BottomsUp Stks	9,828	BottomsUp Time 35 min
	TotalCirc.Vol.	1623.7 bbl	TotalCirc.Stks	21,278	Total Circ. Time 77 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.680	9,701'	0'
Hevi Wt	5.000	3.000	274'	9,701'
Collars	6.500	2.875	188'	9,975'
Dir. BHA	8.000	2.000	140'	10,163'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	2,893'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	10.073		10,315'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	2,893'	295.1	turb	9.76
10.073x5	9,701'	285.6	turb	9.75
10.073x5	9,975'	285.6	turb	9.74
10.073x6.5	10,163'	368.8	turb	9.75
10.073x8	10,303'	582.9	turb	9.78

BIT DATA Manuf./Type Ulterra_613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,808 ft	32.5	7,507 ft	231.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	24.0
Shaker 2	140	24.0
Shaker 3	140	24.0
NOV Drying Shakers	140	24.0
Centrifuge 1	NOV	3.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3296.7
Transferred In(+)/Out(-)	
Oil Added (+)	438.2
Barite Added (+)	0.0
Other Product Usage (+)	19.5
Water Added (+)	81.0
Left on Cuttings (-)	-289.5
Evap/ Cent/ Pits	-65.2
Seepage	-86.8
Est. Total on Location	3393.8
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
2.12	312 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		14	14	14
841 lbs	192			

Motor/MWD	Calc. Circ. Pressure
2,500 psi	5,596 psi

Remarks/Recommendations:

OBM RECEIVED: 2942bbls

OBM ON SURFACE__ 2432bbls (Storage + Active)

OBM LOSS__Daily (0)__Total (0)

MWD Temp: Deg: 250 Deg.

TD at 03:53hrs

Rig Activity:

Continued drilling ahead from 6,643'MD to 10,303MD, pumping 10bbl/ 12.5ppb LCM laden sweeps every 3rd connection. At 8,000'MD began back ground LCM additions hourly in the suction of 5sx each First Response and NewCarb Ulti-Mix due to known seepage losses at this depth. Minimal losses observed, LCM additions with preplanned sweeps proved beneficial. Increased the active density to 9.4ppg by 9,000'MD and 9.5ppg by 9,400'MD and maintained here. Continued aggressive diesel additions at 10-30bph and drill H2O at 1.97-2.68bph to maintain density and hole volume. 9.0ppg cement displacement volume has been built in the frac tanks, blended 372bbls 9.9ppg with 146bbls of diesel and 30bbls of drill H2O.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Matt Meehan	Rob Bowlin	MIDLAND	WH #2	
Phone: 985-351-7561	Phone: 228-990-1055	Phone: 432-686-7361	Phone: -	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$6,845.34	**$22,939.06**
INCLUDING 3RD PARTY CHARGES	**$41,703.05**	**$92,287.99**

1/31/2021 **Report 4 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

17.1° **3,196' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**12 ft**	**10,315 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**		**POOH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Kevin Burt	**Tool Pusher**	**GIDDIGNS**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**

MUD PROPERTIES

Time Sample Taken	2:45		11:00
Sample Location	suction		suction
Flowline Temperature °F	165 °F		
Depth (ft)	10,284'		10,315'
Mud Weight (ppg)	9.5		9.6
Funnel Vis (sec/qt) @ 140 °F	43		44
600 rpm	38		35
300 rpm	24		22
200 rpm	17		17
100 rpm	12		12
6 rpm	5		5
3 rpm	4		4
Plastic Viscosity (cp) @ 150 °F	14		13
Yield Point (lb/100 ft²) T0 = 3	10		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/10		6/9
Gel Strength (lb/100 ft2) 30 min	12		12
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	11.8%		12%
Corrected Solids (vol%)	10%		10.2%
Retort Oil Content	67.7%		67.5%
Retort Water Content	20.5%		20.5%
O/W Ratio	77:23		77:23
Whole Mud Chlorides (mg/L)	45,000		45,000
Water Phase Salinity (ppm)	256,071		256,071
Whole Mud Alkalinity, Pom	1.8		2.0
Excess Lime (lb/bbl)	2.3 ppb		2.6 ppb
Electrical Stability (volts)	438 v		425 v
Average Specific Gravity of Solids	2.95		3.02
Percent Low Gravity Solids	6.5%		6.3%
ppb Low Gravity Solids	54 ppb		52 ppb
Percent Barite	3.5%		3.9%
ppb Barite	50 ppb		57 ppb
Estimated Total LCM in System			
Sample Taken By	R. Bowlin		M. Meehan

MUD VOLUME (BBL)

In Pits	630 bbl
In Hole	983 bbl
Active	920 bbl
Storage	1769 bbl
Tot. on Location	3382 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=14 YP=10 **CIRCULATION DATA** n = 0.663 K = 196.0

Bit Depth = 3,283 ' | Washout = 2% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	61.5 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	228.5 bbl	BottomsUp Stks	BottomsUp Time
26.7 bbl	TotalCirc.Vol.	920.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.680	2,681'	
Hevi Wt	5.000	3.000	274'	2,681'
Collars	6.500	2.875	188'	2,955'
Dir. BHA	8.000	2.000	140'	3,143'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	2,893'	
Int. Csg.				
Washout 1				
Washout 2				
Open Hole Size	10.073		10,315'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	2,681'		lam	9.50
9.95x5	2,893'		lam	9.50
10.073x5	2,955'		lam	9.50
10.073x6.5	3,143'		lam	9.50
10.073x8	3,283'		lam	9.50

BIT DATA Manuf./Type Ulterra_613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,808 ft	32.5	7,507 ft	231.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	3.0
Shaker 2	140	3.0
Shaker 3	140	3.0
NOV Drying Shakers	140	3.0

Centrifuge 1 NOV

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3393.9
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	-0.9
Evap/ Cent/ Pits	
Seepage	-10.8
Est. Total on Location	3382.1
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Motor/MWD | Calc. Circ. Pressure 36 psi

Afternoon Remarks/Recommendations:

Pump a 10 bbl LCM sweep every 300 ft. Sweep Contains:

10 ppb Newcarb, 10 ppb Newphalt and 10 ppb Magnafiber fine

Afternoon Rig Activity:

Drilled to section TD at 10315 ft. Pumped two 30 bbl LCM sweeps and circulated the hole clean. POOH while laying down pipe. Will rig up and run casing.

02/01/21 **Report #5**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.4° **9,293' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**10,315 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**		**Run Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Kevin Burt	**Tool Pusher**	**GIDDIGNS**	**OBM**	**0 gpm**	

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	607 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.8-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**	In Hole	923 bbl	Stroke	12	Stroke	12	Stroke	
				2/1/21		1/31/21	Active	1456 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				2:00		11:00	Storage	1769 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				suction		suction	Tot. on Location	3299 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.692	K = 177.275
Depth (ft)				10,315'		10,315'	Bit Depth = 9,582 '		Washout = 3%				Pump Efficiency = 95%	
Mud Weight (ppg)				10.1		9.6	Drill String Disp.	Volume to Bit 440.0 bbl		Strokes To Bit			Time To Bit	
Funnel Vis (sec/qt)		@ 82 °F		60		44		Bottoms Up Vol. 409.2 bbl		BottomsUp Stks			BottomsUp Time	
600 rpm				42		35	101.2 bbl	TotalCirc.Vol. 1456.2 bbl		TotalCirc.Stks			Total Circ. Time	
300 rpm				26		22	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				19		17	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				15		12	Casing	7.625	6.875	9,582'	0'		Shaker 1	140	6.0
6 rpm				6		5					9,582'		Shaker 2	140	6.0
3 rpm				5		4					9,582'		Shaker 3	140	6.0
Plastic Viscosity (cp)		@ 150 °F		16		13					9,582'		NOV Drying Shakers	140	6.0
Yield Point (lb/100 ft²)		T0 = 4		10		9	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)		10 sec/10 min		6/11		6/9	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1	NOV	
Gel Strength (lb/100 ft^2)		30 min		13		12	Riser						**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)		@ 250 °F		6.2		6.0	Surface	10 3/4	9.950	2,893'	0'		Prev. Total on Location		3393.9
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.				0'		Transferred In(+)/Out(-)		
Retort Solids Content				14%		12%	Washout 1						Oil Added (+)		18.1
Corrected Solids (vol%)				12.3%		10.2%	Washout 2						Barite Added (+)		7.0
Retort Oil Content				66%		67.5%	Open Hole Size	10.171	10,315'				Other Product Usage (+)		0.0
Retort Water Content				20%		20.5%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		
O/W Ratio				77:23		77:23	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		0.0
Whole Mud Chlorides (mg/L)				43,000		45,000							Evap, Pits, Tripping		-40.0
Water Phase Salinity (ppm)				252,134		256,071							Seepage		-80.1
Whole Mud Alkalinity, Pom				1.7		2.0	9.95x7.625	2,893'	0.0	lam	10.10		Est. Total on Location		3298.8
Excess Lime (lb/bbl)				2.2 ppb		2.6 ppb	10.171x7.625	9,582'	0.0	lam	10.10		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				411 v		425 v							**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				3.17		3.02							Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				6.5%		6.3%							0.00	psi	16 16 16
ppb Low Gravity Solids				53 ppb		52 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	14 14 14
Percent Barite				5.8%		3.9%									14 14 14
ppb Barite				83 ppb		57 ppb	**BIT DATA**		Manuf./Type		Ulterra_613		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				R. Bowlin	0	M. Meehan	9 7/8	2,808 ft	32.5	7,507 ft	231.0		psi		

Remarks/Recommendations:

OBM RECEIVED: 2942bbls

OBM ON SURFACE__ 2432bbls (Storage + Active)

OBM LOSS__Daily (0)__Total (0)

Rig Activity:

Tripped out of the hole laying down the 5" drill string, LD directional; BHA. Changed out DP rams for casing rams and tested the same. RU Franks casing crew and ran the 7.625" intermediate casing to 9,582'MD. Density increase is due to incorporation of the 12.5ppg slug and the cooling of the surface volumes.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Matt Meehan	Rob Bowlin	MIDLAND	WH #2	
Phone: 985-351-7561	Phone: 228-990-1055	Phone: 432-686-7361	Phone: -	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$3,670.00	**$26,609.06**
INCLUDING 3RD PARTY CHARGES	**$4,992.40**	**$97,280.39**

2/1/2021 **Report 5 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**10,315 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**		**WOC**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Kevin Burt	**Tool Pusher**	**GIDDIGNS**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**

MUD PROPERTIES

Time Sample Taken	2:00		11:00
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	10,315'		10,315'
Mud Weight (ppg)	10.1		9.8
Funnel Vis (sec/qt) @ 82 °F	60		48
600 rpm	42		38
300 rpm	26		24
200 rpm	19		18
100 rpm	15		14
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	16		14
Yield Point (lb/100 ft²) T0 = 4	10		10
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/11		6/10
Gel Strength (lb/100 ft2) 30 min	13		13
HTHP Filtrate (cm/30 min) @ 250 °F	6.2		6.2
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	14%		12.5%
Corrected Solids (vol%)	12.3%		10.8%
Retort Oil Content	66%		66.5%
Retort Water Content	20%		21%
O/W Ratio	77:23		76:24
Whole Mud Chlorides (mg/L)	43,000		45,000
Water Phase Salinity (ppm)	252,134		251,507
Whole Mud Alkalinity, Pom	1.7		1.5
Excess Lime (lb/bbl)	2.2 ppb		2 ppb
Electrical Stability (volts)	411 v		398 v
Average Specific Gravity of Solids	3.17		3.14
Percent Low Gravity Solids	6.5%		5.9%
ppb Low Gravity Solids	53 ppb		49 ppb
Percent Barite	5.8%		4.8%
ppb Barite	83 ppb		69 ppb
Estimated Total LCM in System			
Sample Taken By	R. Bowlin		M. Meehan

MUD VOLUME (BBL)

In Pits	738 bbl
In Hole	474 bbl
Active	738 bbl
Storage	1958 bbl
Tot. on Location	3170 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. = 10.1 PV=16 YP=10 **CIRCULATION DATA** n = 0.692 K = 177.3

Washout = 3% Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 738.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

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

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	2,893'	
Int. Csg.	7 5/8	6.875	10,315'	
Washout 1				
Washout 2				
Open Hole Size			10,315'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type Ulterra_613

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

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	
Shaker 2	140	
Shaker 3	140	
NOV Drying Shakers	140	
Centrifuge 1	NOV	

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3298.9
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap, Pits, Tripping	-39.3
Seepage	-90.0
Est. Total on Location	3169.6
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:

Pump a 10 bbl LCM sweep every 300 ft. Sweep Contains:

10 ppb Newcarb, 10 ppb Newphalt and 10 ppb Magnafiber fine

Afternoon Rig Activity:

Ran 7 5/8" casing to bottom at 10315 ft. Circulated the casing. Cemented in casing. Displaced the casing with 9.0 ppg mud. Dumped 39 bbl of spacer contaminated mud at surface. Rolling the mud pits and lowering the mud wt. with the centrifuge and additions of diesel to 8.7 ppg. Will blend with the mud in the hole to drill out with 8,8 ppg mud.

02/02/21 **Report #6**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.2° **149' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**10,315 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**		**PU BHA**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Kevin Burt	**Tool Pusher**	**GIDDIGNS**	**OBM**	**0 gpm**	

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	747 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.8-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**	In Hole	470 bbl	Stroke	12	Stroke	12	Stroke	
				2/2/21		2/1/21	Active	750 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				2:30		11:00	Storage	2457 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				suction		suction	Tot. on Location	3674 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.637 K = 86.176	
Depth (ft)				10,315'		10,315'	Bit Depth = 149 '		Washout = 2%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.6		9.8	Drill String Disp.	Volume to Bit 0.6 bbl	Strokes To Bit		Time To Bit			
Funnel Vis (sec/qt)		@ 68 °F		40		48		Bottoms Up Vol. 2.5 bbl	BottomsUp Stks		BottomsUp Time			
600 rpm				14		38	3.8 bbl	TotalCirc.Vol. 750.0 bbl	TotalCirc.Stks		Total Circ. Time			
300 rpm				9		24	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				6		18	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				5		14	Drill Pipe	4.500	3.826	0'	0'		Shaker 1	170	4.0
6 rpm				3		6	Agitators	5.000	2.000		0'		Shaker 2	170	4.0
3 rpm				2		5					0'		Shaker 3	170	4.0
Plastic Viscosity (cp)		@ 150 °F		5		14	Dir. BHA	5.500	2.000	149'	0'		NOV Drying Shakers	140	4.0
Yield Point (lb/100 ft²)		T0 = 1		4		10	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)		10 sec/10 min		3/5		6/10	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1	NOV	7.5
Gel Strength (lb/100 ft^2)		30 min		6		13	Riser						**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)		@ 250 °F		8.4		6.2	Surface	10 3/4		2,893'	0'		Prev. Total on Location		3298.9
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,294'	0'		Transferred In(+)/Out(-)		367.0
Retort Solids Content				7%		12.5%	Washout 1						Oil Added (+)		188.5
Corrected Solids (vol%)				5.6%		10.8%	Washout 2						Barite Added (+)		0.0
Retort Oil Content				75.5%		66.5%	Open Hole Size	6.885	10,315'				Other Product Usage (+)		0.0
Retort Water Content				17.5%		21%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		
O/W Ratio				81:19		76:24	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		0.0
Whole Mud Chlorides (mg/L)				36,000		45,000							Inter/ Spacer/ Cent		-109.0
Water Phase Salinity (ppm)				243,901		251,507							Seepage		-71.6
Whole Mud Alkalinity, Pom				1.3		1.5	6.875x4.5	0'	0.0	lam	8.60		Est. Total on Location		3673.8
Excess Lime (lb/bbl)				1.7 ppb		2 ppb	6.875x5.5	149'	0.0	lam	8.60		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				460 v		398 v							**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				2.98		3.14							Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				3.6%		5.9%							0.00	psi	18 18 18
ppb Low Gravity Solids				29 ppb		49 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				2%		4.8%									
ppb Barite				29 ppb		69 ppb	**BIT DATA**		Manuf./Type	SEC 64H			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				R. Bowlin	0	M. Meehan	6 3/4	10,294 ft							

Remarks/Recommendations:

OBM RECEIVED: 3309bbls Rec. 367bbls/ 16.0ppg

OBM ON SURFACE__ 3404bbls (Storage + Active)

OBM LOSS__Daily (0)__Total (0)

Rig Activity:

Finished running the 7.625" casing to bottom setting the shoe at 10,294'MD. Circulated 1.5 times casing volume, RU Nine cementers and cemented in good fashion. Observed good returns during the entire cement job and dumped 25bbls of interface and 14bbls spacer. Floats didnt hold and the decision was made to WOC for 3 hours. Performed a full BOP test and began to PU the direction al BHA. Processed the active with NOV centrifuge and diesel dilutions to decrease the active density to 8.6ppg, this volume will be blended with the 9.0ppg casing displacment volume to achieve 8.8-8.9ppg for drill out. Redressed shakers with API-170's, due to lower pump rates that will be 350-400GPM

Eng. 1:	Matt Meehan	Eng. 2:	Rob Bowlin	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	985-351-7561	Phone:	228-990-1055	Phone:	432-686-7361	Phone:	-			
W P Y E C g G H O 0 1 0 1 1 1 1 2 1		Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.							**$1,910.00**	**$28,519.06**
								INCLUDING 3RD PARTY CHARGES	**$15,688.12**	**$112,968.51**

02/03/21 **Report #7**

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

OUTSOURCE FLUID SOLUTIONS LLC.

37.5° **10,387' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**460 ft**	**10,775 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**90 ft/hr**	**Drilling Curve**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Bobby Gwin/ Kevin Burt	**Tool Pusher**	**GIDDIGNS**	**OBM**	**394 gpm**	**4,266 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	819 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.6-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**	In Hole	434 bbl	Stroke	12	Stroke	12	Stroke	
				2/3/21	2/2/21	2/2/21	Active	1250 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				3:00	18:25	11:00	Storage	2457 bbl	stk/min	75	stk/min	75	stk/min	
Sample Location				shaker	suction	suction	Tot. on Location	3710 bbl	gal/min	197	gal/min	197	gal/min	0
Flowline Temperature °F				98 °F	97 °F		PHHP = 979		CIRCULATION DATA				n = 0.556	K = 269.819
Depth (ft)				10,713'	10,317'	10,315'	Bit Depth = 10,713 '		Washout = 4%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.7	8.9	8.6	Drill String Disp.	Volume to Bit 150.3 bbl	Strokes To Bit 2,405				Time To Bit 16 min	
Funnel Vis (sec/qt)			@ 98 °F	45	44	41		Bottoms Up Vol. 280.3 bbl	BottomsUp Stks 4,487				BottomsUp Time 30 min	
600 rpm				25	23	17	62.2 bbl	TotalCirc.Vol. 1249.5 bbl	TotalCirc.Stks 20,004				Total Circ. Time 133 min	
300 rpm				17	15	11	DRILLING ASSEMBLY DATA						SOLIDS CONTROL	
200 rpm				13	12	8	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit Screens Hours	
100 rpm				9	8	6	Drill Pipe	4.500	3.826	10,511'	0'		Shaker 1 170 24.0	
6 rpm				5	4	4	Agitator	5.000	2.000	53'	10,511'		Shaker 2 170 24.0	
3 rpm				4	3	3					10,564'		Shaker 3 170 24.0	
Plastic Viscosity (cp)			@ 150 °F	8	8	6	Dir. BHA	5.500	2.000	149'	10,564'		NOV Drying Shakers 140 24.0	
Yield Point (lb/100 ft²)		T0 =	3	9	7	5	CASING & HOLE DATA							
Gel Strength (lb/100 ft²)		10 sec/10 min		5/9	4/7	4/6	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1 NOV 1.0	
Gel Strength (lb/100 ft^2)		30 min		11	9	8	Riser						VOLUME ACCOUNTING (bbls)	
HTHP Filtrate (cm/30 min)		@ 300 °F		6.8	6.8	7.0	Surface	10 3/4		2,893'	0'		Prev. Total on Location	3673.8
HTHP Cake Thickness (32nds)				2.0	2.0	2.0	Int. Csg.	7 5/8	6.875	10,294'	0'		Transferred In(+)/Out(-)	
Retort Solids Content				7.5%	7.6%	7%	Washout 1						Oil Added (+)	22.9
Corrected Solids (vol%)				5.6%	6.1%	5.6%	Washout 2						Barite Added (+)	0.0
Retort Oil Content				69.5%	74.4%	75%	Open Hole Size	7.020	10,775'				Other Product Usage (+)	17.3
Retort Water Content				23%	18%	18%	ANNULAR GEOMETRY & RHEOLOGY						Water Added (+)	38.5
O/W Ratio				75:25	81:19	81:19	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	-22.0
Whole Mud Chlorides (mg/L)				48,000	38,000	37,000							Evap/ Pits/ Cent	-21.0
Water Phase Salinity (ppm)				246,564	248,708	243,758							Seepage	
Whole Mud Alkalinity, Pom				2.1	2.0	1.8	6.875x4.5	10,294'	357.0	turb	9.53		Est. Total on Location	3709.5
Excess Lime (lb/bbl)				2.7 ppb	2.6 ppb	2.3 ppb	7.02x4.5	10,511'	332.3	turb	9.61		Est. Losses/Gains (-)/(+)	0.0
Electrical Stability (volts)				408 v	385 v	442 v	7.02x5	10,564'	397.3	turb	9.70		BIT HYDRAULICS DATA	
Average Specific Gravity of Solids				2.76	3.23	2.95	7.02x5.5	10,713'	506.8	turb	9.80		Bit H.S.I. Bit ΔP Nozzles (32nds)	
Percent Low Gravity Solids				4.3%	3.1%	3.7%							0.36 56 psi 18 18 18	
ppb Low Gravity Solids				35 ppb	25 ppb	30 ppb							Bit Impact Force / Nozzle Velocity (ft/sec) 18 18 18	
Percent Barite				1.3%	3.1%	1.9%								
ppb Barite				19 ppb	44 ppb	27 ppb	BIT DATA		Manuf./Type		SEC 64H		150 lbs 85	
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD	Calc. Circ. Pressure
Sample Taken By				R. Bowlin	R. Bowlin	M. Meehan	6 3/4	10,294 ft	10.0	481 ft	48.1		2,800 psi	4,263 psi

Remarks/Recommendations:

OBM RECEIVED: 3309bbls Rec. 367bbls/ 16.0ppg

OBM ON SURFACE__ 3276bbls (Storage + Active)

OBM LOSS__Daily (0)__Total (0)

MWD Temp: 252 Deg.

Rig Activity:

Finished PU the 4.5" drill string/ TIH, tagged float equipment at 10,203'MD and drilled the shoe track plus 10' of new formation. Performed a FIT to 13.0ppg EMW with 8.7ppg active circulating density at 2235-PSI. Continued drilling on the build section to 10,775'MD at the time of the am report. Made drill H2O additions at 4.28bph for 9hrs to increase the water percentage in the system, proportional additions of CaCl2 were made to maintain the WPS within spec. Chemical additions will continue to be made to maintain the fluid within the recommended parameters. Maintaining MW at 8.7ppg currently. No sweeps until curve section is landed.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Matt Meehan	Rob Bowlin	MIDLAND	WH #2	
Phone: 985-351-7561	Phone: 228-990-1055	Phone: 432-686-7361	Phone: -	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$7,396.81	**$35,915.87**
INCLUDING 3RD PARTY CHARGES	**$8,875.81**	**$121,844.32**

02/04/21 **Report #8**

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

OUTSOURCE FLUID SOLUTIONS LLC.

90.0° **10,563' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**2,838 ft**	**13,613 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**129 ft/hr**	**DRLG LATERAL**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**399 gpm**	**5,254 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	692 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.6-12	**5-20**	**7-13**	**>400**	**±265K**	**<10 <15**	**<8**	In Hole	545 bbl	Stroke	12	Stroke	12	Stroke	
				2/4/21		2/3/21	Active	1237 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				3:00		14:30	Storage	2457 bbl	stk/min	76	stk/min	76	stk/min	
Sample Location				suction		shaker	Tot. on Location	3694 bbl	gal/min	199	gal/min	199	gal/min	0
Flowline Temperature °F				135 °F		101 °F	PHHP = 1222		**CIRCULATION DATA**				n = 0.617	K = 163.477
Depth (ft)				13,551'		12,085'	Bit Depth = 13,613 '		Washout = 1%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.9		8.8	Drill String Disp.	Volume to Bit 191.5 bbl		Strokes To Bit 3,066			Time To Bit 20 min	
Funnel Vis (sec/qt)			@ 112 °F	40		43		Bottoms Up Vol. 353.0 bbl		BottomsUp Stks 5,652			BottomsUp Time 37 min	
600 rpm				23		25	78.0 bbl	TotalCirc.Vol. 1236.5 bbl		TotalCirc.Stks 19,796			Total Circ. Time 130 min	
300 rpm				15		18	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				11		14	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				9		10	Drill Pipe	4.500	3.826	13,411'	0'		Shaker 1	170	24.0
6 rpm				5		6	Agitator	5.000	2.000	53'	13,411'		Shaker 2	170	24.0
3 rpm				4		5					13,464'		Shaker 3	170	24.0
Plastic Viscosity (cp)			@ 150 °F	8		7	Dir. BHA	5.500	2.000	149'	13,464'		NOV Drying Shakers	140	24.0
Yield Point (lb/100 ft²)			T0 = 3	7		11	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)			10 sec/10 min	5/8		4/8	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1	NOV	6.0
Gel Strength (lb/100 ft²)			30 min	11		10	Riser						**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)			@ 250 °F	7.0		6.4	Surface	10 3/4		2,893'	0'		Prev. Total on Location		3709.2
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,294'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				10%		8%	Washout 1						Oil Added (+)		90.1
Corrected Solids (vol%)				8.1%		6.2%	Washout 2						Barite Added (+)		0.0
Retort Oil Content				70%		71%	Open Hole Size	6.818	13,613'				Other Product Usage (+)		12.8
Retort Water Content				20%		21%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		60.0
O/W Ratio				78:22		77:23	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-128.1
Whole Mud Chlorides (mg/L)				48,000		47,000							Evap/ Pits/ Cent		-50.4
Water Phase Salinity (ppm)				273,435		259,781							Seepage		
Whole Mud Alkalinity, Pom				3.5		2.1	6.875x4.5	10,294'	361.8	turb	9.79		Est. Total on Location		3693.5
Excess Lime (lb/bbl)				4.6 ppb		2.7 ppb	6.818x4.5	13,411'	372.6	turb	10.10		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				535 v		455 v	6.818x5	13,464'	454.9	turb	10.22		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				2.54		2.86	6.818x5.5	13,613'	602.0	turb	10.38		Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				7.2%		4.4%							0.38	59 psi	18 18 18
ppb Low Gravity Solids				59 ppb		36 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				0.9%		1.8%									
ppb Barite				12 ppb		26 ppb	**BIT DATA**		Manuf./Type		SEC 64H		158 lbs	86	
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				A. ROMAN	0	M Washburb	6 3/4	10,294 ft	10.0	481 ft	48.1		2,800 psi		4,673 psi

Remarks/Recommendations:

OBM RECEIVED: 3309bbls Rec. 367bbls/ 16.0ppg

OBM ON SURFACE__ 3149bbls (Storage + Active)

OBM LOSS__Daily (-15bbl)__Total (-15bbl)

MWD Temp: 252 Deg.

Rig Activity:

In the past 24hrs: We continue drilling (Rotating & Sliding) ahead 6-3/4" hole in lateral section. Maintain 8.8ppg active circulating density. Pump LCM sweeps 10ppb (MagmaFiber/New Carb/1st Response/NewPhalt) Pump 10bbls every 300' of new hole. Pump rate maintain at 400gpm taking returns through the Choke Manifold with 0 casing pressure, Full returns at this time. Additions of CaCl2 were made to maintain the WPS within spec. Water and Diesel additions at 3&5bph respectively. Chemical additions will continue to maintain the fluid within the recommended parameters. At the time of report: Drilling ahead passing 13613'; changing out rotating head.

Eng. 1:	Mike Washburn	Eng. 2:	Adolfo Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	956-821-9994	Phone:	432-686-7361	Phone:	-	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$9,482.60	**$45,398.47**
INCLUDING 3RD PARTY CHARGES	**$15,682.83**	**$137,527.15**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/04/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	Report #8

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	550		550				
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	126		56	70	$1,002.40	427	$6,114.64
LIME (50)	50# sk	$5.00	100		50	50	$250.00	256	$1,280.00
OPTI - G	50# sk	$30.59	40		20	20	$611.80	140	$4,282.60
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	15		15			22	$1,306.80
BENTONE 990 (50)	50# sk	$83.59	20		15	5	$417.95	37	$3,092.83
OPTI - MUL	gal	$10.75	440		220	220	$2,365.00	385	$4,138.75
OPTI - WET	gal	$8.34	275		275			220	$1,834.80
NEW PHALT	50# sk	$38.72	65		55	10	$387.20	45	$1,742.40
OIL SORB (25)	25# sk	$4.75	40		40				
BENTONE 42 (50)	50# sk	$327.26	40		35	5	$1,636.30	5	$1,636.30
NewCarb UltiMix	50# sk	$6.35	57		30	27	$171.45	50	$317.50
NEW CARB (M)	50# sk	$5.25	102		102			45	$236.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	152		142	10	$280.50	36	$1,009.80
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1450		1450			100	$700.00
OPTI DRILL (OBM)	bbl	$65.00	2878		2878				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		400		385	15		110	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	14	$12,950.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	14	$420.00
ENGINEERING (MILES)	each	$1.00				450	$450.00	1049	$1,049.00
TRUCKING (cwt)	each	$2.65						400	$1,060.00
TRUCKING (min)	each	$650.00						1	$650.00
PALLETS (ea)	each	$12.00						11	$132.00
SHRINK WRAP (ea)	each	$12.00						9	$108.00
		Daily Sub-Total $9,482.60			**Cumulative Total $45,398.47**			**$45,398.47**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/04/21	**MAGNOLIA OIL & GAS**	**SABINE B 2-H**	**248**	**Report #8**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	265		265			75	$3,131.25
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74	3502			3502	$6,093.48	7000	$12,180.00
OBM_D 2/1/21	gal	$1.75	6920		6859	61	$106.75	141	$246.75
Diesel Delivery 2/3/21	gal	$1.82		7207	7207				

						Daily Sub-Total	**$6,200.23**		**$92,128.68**

Cumulative Total AES & 3rd Party $137,527.15

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4															
	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613														
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613															
10,719	Footage Drilled	3,749	3,660	12	-	460	2,838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
850	New Hole Vol.	356	347	1	-	20	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694
77	Chemical Additions	28	20			17	13															
1,227	Base Fluid Added	469	438	18	189	23	90															
7	Barite Increase			7			-															
367	Weighted Mud Added				367		-															
-	Slurry Added						-															
240	Water Added	60	81			39	60															
18	Added for Washout		18				-															
1,935	Total Additions	557	557	25	556	79	163	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
142	Surface Losses	8	56	40		13	25															
238	Formation Loss		87	80	72		-															
653	Mud Loss to Cuttings	213	290			22	128															
25	Unrecoverable Volume				25		-															
126	Centrifuge Losses		9		84	3	30															
1,184	Total Losses	221	442	120	181	38	183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,694	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694	3,694
-	Mud Recovered																					

3,309

Comments:		Comments:	Comments:
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	2/13/21
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21	2/14/21
2/1/21	Running casing at 9582'MD.	2/8/21	2/15/21
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21	2/16/21
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21	2/17/21
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21	2/18/21
2/5/21		2/12/21	2/19/21

2/4/2021 **Report 8 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

93.2° **10,527' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**14,379 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**151 ft/hr**	**DRILLING**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**394 gpm**	**5,030 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±265K**	**<10 <15**	**<8**

MUD PROPERTIES

Time Sample Taken	3:00		13:30
Sample Location	suction		shaker
Flowline Temperature °F	135 °F		110 °F
Depth (ft)	13,551'		14,379'
Mud Weight (ppg)	8.9		8.8
Funnel Vis (sec/qt) @ 80 °F	40		45
600 rpm	23		26
300 rpm	15		18
200 rpm	11		14
100 rpm	9		12
6 rpm	5		6
3 rpm	4		5
Plastic Viscosity (cp) @ 150 °F	8		8
Yield Point (lb/100 ft²) T0 = 3	7		10
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/8		5/7
Gel Strength (lb/100 ft2) 30 min	11		9
HTHP Filtrate (cm/30 min) @ 250 °F	7.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	10%		9%
Corrected Solids (vol%)	8.1%		7.2%
Retort Oil Content	70%		70%
Retort Water Content	20%		21%
O/W Ratio	78:22		77:23
Whole Mud Chlorides (mg/L)	48,000		47,000
Water Phase Salinity (ppm)	273,435		259,781
Whole Mud Alkalinity, Pom	3.5		2.7
Excess Lime (lb/bbl)	4.6 ppb		3.5 ppb
Electrical Stability (volts)	535 v		480 v
Average Specific Gravity of Solids	2.54		2.58
Percent Low Gravity Solids	7.2%		6.2%
ppb Low Gravity Solids	59 ppb		51 ppb
Percent Barite	0.9%		0.9%
ppb Barite	12 ppb		13 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M Washburb

MUD VOLUME (BBL)

In Pits	692 bbl
In Hole	575 bbl
Active	1267 bbl
Storage	2457 bbl
Tot. on Location	3724 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	74
gal/min	194

RISER BOOSTER

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

Mud Wt. = 8.9 PV=8 YP=7 **CIRCULATION DATA** n = 0.617 K = 163.5

Bit Depth = 14,379 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
82.2 bbl	Volume to Bit	202.4 bbl	Strokes To Bit	3,240	Time To Bit	22 min
	Bottoms Up Vol.	372.6 bbl	BottomsUp Stks	5,964	BottomsUp Time	40 min
	TotalCirc.Vol.	1267.0 bbl	TotalCirc.Stks	20,282	Total Circ. Time	135 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	14,177'	
Agitator	5.000	2.000	53'	14,177'
				14,230'
Dir. BHA	5.500	2.000	149'	14,230'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	
Int. Csg.	7 5/8	6.875	10,294'	
Washout 1				
Washout 2				
Open Hole Size	6.818		14,379'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	357.0	turb	9.79
6.818x4.5	14,177'	367.7	turb	10.18
6.818x5	14,230'	448.9	turb	10.31
6.818x5.5	14,379'	594.1	turb	10.50

BIT DATA Manuf./Type SEC 64H

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,294 ft	10.0	481 ft	48.1

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
NOV Drying Shakers	140	

Centrifuge 1 NOV

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3693.5
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Pits/ Cent	
Seepage	
Est. Total on Location	3693.5
Est. Losses/Gains (-)/(+)	30.4

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.37	57 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
154 lbs	85			

Motor/MWD 2,800 psi | Calc. Circ. Pressure 4,715 psi

Afternoon Remarks/Recommendations:

Pump a 10 bbl LCM sweep every 300 ft. Sweep Contains:

10 ppb Newcarb, 10 ppb Newphalt and 10 ppb Magnafiber fine

Afternoon Rig Activity:

Continue drilling 6-3/4" lateral hole section, maintain mud wt. at 8.8, pump 10 bbls LCM sweep every 300', operate centrifuge as needed for density reduction and to control LGS. Adding water and diesel for OWR maintenance. Adding Bentone 42 for YP. Start mud cooling system at 08:00 hrs, samples at 14379MD are 100% AC.

02/05/21 **Report #9**

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

OUTSOURCE FLUID SOLUTIONS LLC.

94.8° **10,496' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**1,348 ft**	**14,961 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**75 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**394 gpm**	**4,607 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±265K**	**<10 <15**	**<8**
				2/5/21		2/4/21
Time Sample Taken				3:00		13:30
Sample Location				suction		shaker
Flowline Temperature °F				95 °F		110 °F
Depth (ft)				14,888'		14,379'
Mud Weight (ppg)				8.8		8.8
Funnel Vis (sec/qt)			@ 75 °F	45		45
600 rpm				27		26
300 rpm				18		18
200 rpm				13		14
100 rpm				10		12
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	9		8
Yield Point (lb/100 ft²)			T0 = 4	9		10
Gel Strength (lb/100 ft²)			10 sec/10 min	5/8		5/7
Gel Strength (lb/100 ft^2)			30 min	11		9
HTHP Filtrate (cm/30 min)			@ 250 °F	6.5		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				8.5%		9%
Corrected Solids (vol%)				6.7%		7.2%
Retort Oil Content				71.5%		70%
Retort Water Content				20%		21%
O/W Ratio				78:22		77:23
Whole Mud Chlorides (mg/L)				45,000		47,000
Water Phase Salinity (ppm)				260,803		259,781
Whole Mud Alkalinity, Pom				4.0		2.7
Excess Lime (lb/bbl)				5.2 ppb		3.5 ppb
Electrical Stability (volts)				505 v		480 v
Average Specific Gravity of Solids				2.76		2.58
Percent Low Gravity Solids				5.1%		6.2%
ppb Low Gravity Solids				42 ppb		51 ppb
Percent Barite				1.6%		0.9%
ppb Barite				22 ppb		13 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M Washburb

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	800 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
In Hole	598 bbl	Stroke	12	Stroke	12	Stroke	
Active	1398 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Storage	2236 bbl	stk/min	75	stk/min	75	stk/min	
Tot. on Location	3634 bbl	gal/min	197	gal/min	197	gal/min	0

CIRCULATION DATA							
PHHP = 1058						n = 0.585	K = 239.066
Bit Depth = 14,961 '			Washout = 1%			Pump Efficiency = 95%	
Drill String Disp.	Volume to Bit	210.7 bbl	Strokes To Bit	3,372		Time To Bit	22 min
	Bottoms Up Vol.	387.4 bbl	BottomsUp Stks	6,202		BottomsUp Time	41 min
85.3 bbl	TotalCirc.Vol.	1398.1 bbl	TotalCirc.Stks	22,381		Total Circ. Time	149 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	14,759'	0'
Agitator	5.000	2.000	53'	14,759'
				14,812'
Dir. BHA	5.500	2.000	149'	14,812'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	0'
Int. Csg.	7 5/8	6.875	10,294'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	14,961'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	357.0	turb	9.64
6.818x4.5	14,759'	367.7	turb	10.02
6.818x5	14,812'	448.9	turb	10.09
6.818x5.5	14,961'	594.1	turb	10.21

BIT DATA Manuf./Type SEC 64H

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	10,294 ft	50.0	4,667 ft	93.3	2,800 psi	4,820 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	24.0
Shaker 2	170	24.0
Shaker 3	170	24.0
NOV Drying Shakers	140	24.0
Centrifuge 1	NOV	4.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3693.5
Transferred In(+)/Out(-)	
Oil Added (+)	139.2
Barite Added (+)	0.0
Other Product Usage (+)	18.3
Water Added (+)	100.0
Left on Cuttings (-)	-60.9
Evap/ Pits/ Cent	-106.1
Spilled (-)	-150.0
Est. Total on Location	3634.1
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.36	56 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
152 lbs	85			

Remarks/Recommendations:

OBM RECEIVED: 3309bbls Rec. 367bbls/ 16.0ppg

OBM ON SURFACE__ 3109bbls (Storage + Active)

OBM LOSS__Daily (-60bbl)__Total (-75bbl)

MWD Temp: 297 Deg.

Rig Activity:

In the past 24hrs: Drilling ahead (Rotating & Sliding) 6-3/4" hole in lateral section. Maintain 8.8ppg active circulating density. Pump LCM sweeps 10ppb (MagmaFiber/New Carb/1st Response/NewPhalt) Pump 10bbls every 300' of new hole. Pump rate maintain at 390gpm taking returns through the Choke Manifold with 600psi casing pressure on connection. Performed 10 stnads Wipper trip. ROP not up to specs. Additions of CaCl2 were made to maintain the WPS. Water and Diesel additions at 5bph respectively. Chemical additions will continue to maintain the fluid within the recommended parameters. At the time of report: Drilling ahead passing 14,968'.

Eng. 1: Mike Washburn Phone: 361-945-5777
Eng. 2: Adolfo Roman Phone: 956-821-9994
WH 1: MIDLAND Phone: 432-686-7361
WH 2: WH #2 Phone: -
Rig Phone:

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$10,213.48	**$55,611.95**
INCLUDING 3RD PARTY CHARGES	**$20,447.48**	**$157,974.63**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/05/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	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	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	550		550				
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	56	168	142	82	$1,174.24	509	$7,288.88
LIME (50)	50# sk	$5.00	50	200	200	50	$250.00	306	$1,530.00
OPTI - G	50# sk	$30.59	20	160	160	20	$611.80	160	$4,894.40
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	15	40	55			22	$1,306.80
BENTONE 990 (50)	50# sk	$83.59	15	40	49	6	$501.54	43	$3,594.37
OPTI - MUL	gal	$10.75	220		220			385	$4,138.75
OPTI - WET	gal	$8.34	275		275			220	$1,834.80
NEW PHALT	50# sk	$38.72	55	160	170	45	$1,742.40	90	$3,484.80
OIL SORB (25)	25# sk	$4.75	40			40	$190.00	40	$190.00
BENTONE 42 (50)	50# sk	$327.26	35	40	69	6	$1,963.56	11	$3,599.86
NewCarb UltiMix	50# sk	$6.35	30		30			50	$317.50
NEW CARB (M)	50# sk	$5.25	102		92	10	$52.50	55	$288.75
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	142		132	10	$280.50	46	$1,290.30
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1450		1450			100	$700.00
OPTI DRILL (OBM)	bbl	$65.00	2878		2878				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		385		325	60		170	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	16	$14,800.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	16	$480.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65				417	$1,104.94	817	$2,164.94
TRUCKING (min)	each	$650.00						1	$650.00
PALLETS (ea)	each	$12.00				18	$216.00	29	$348.00
SHRINK WRAP (ea)	each	$12.00				18	$216.00	27	$324.00
		Daily Sub-Total $10,213.48			Cumulative Total $55,611.95			$55,611.95	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/05/21	**MAGNOLIA OIL & GAS**	**SABINE B 2-H**	**248**	**Report #9**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	265		265			75	$3,131.25
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74						7000	$12,180.00
OBM_D 2/1/21	gal	$1.75	6859		1011	5848	$10,234.00	5989	$10,480.75
Diesel Delivery 2/3/21	gal	$1.82	7207		7207				

Daily Sub-Total $10,234.00 | **$102,362.68**

Cumulative Total AES & 3rd Party $157,974.63

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4														
	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613	14,961													
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613	14,961														
12,067	Footage Drilled	3,749	3,660	12	-	460	2,838	1,348	-	-	-	-	-	-	-	-	-	-	-	-	-	-
909	New Hole Vol.	356	347	1	-	20	126	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634
96	Chemical Additions	28	20			17	13	18														
1,366	Base Fluid Added	469	438	18	189	23	90	139														
7	Barite Increase			7			-	-														
367	Weighted Mud Added				367		-	-														
-	Slurry Added						-	-														
340	Water Added	60	81			39	60	100														
18	Added for Washout		18				-	-														
2,193	Total Additions	557	557	25	556	79	163	258	-	-	-	-	-	-	-	-	-	-	-	-	-	-
292	Surface Losses	8	56	40		13	25	150														
238	Formation Loss		87	80	72		-	-														
714	Mud Loss to Cuttings	213	290			22	128	61														
81	Unrecoverable Volume				25		-	56														
176	Centrifuge Losses		9		84	3	30	50														
1,501	Total Losses	221	442	120	181	38	183	317	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,634	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634
-	Mud Recovered																					

3,309

Comments:		Comments:	Comments:
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	2/13/21
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21	2/14/21
2/1/21	Running casing at 9582'MD.	2/8/21	2/15/21
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21	2/16/21
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21	2/17/21
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21	2/18/21
2/5/21	Drilling ahead. Perform Wiper trip 10 stands. Back to bottom and resume drilling.	2/12/21	2/19/21

2/5/2021 **Report 9 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

94.8° **10,479' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**15,138 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**36 ft/hr**	**DRILLING**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**394 gpm**	**4,755 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±265K**	**<10 <15**	**<8**

MUD PROPERTIES				
Time Sample Taken		3:00		13:30
Sample Location		suction		shaker
Flowline Temperature °F		95 °F		96 °F
Depth (ft)		14,888'		15,125'
Mud Weight (ppg)		8.8		8.8
Funnel Vis (sec/qt)	@ 79 °F	45		43
600 rpm		27		25
300 rpm		18		17
200 rpm		13		14
100 rpm		10		11
6 rpm		6		6
3 rpm		5		5
Plastic Viscosity (cp)	@ 150 °F	9		8
Yield Point (lb/100 ft²)	T0 = 4	9		9
Gel Strength (lb/100 ft²)	10 sec / 10 min	5/8		5/9
Gel Strength (lb/100 ft2)	30 min	11		12
HTHP Filtrate (cm/30 min)	@ 250 °F	6.5		6.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		8.5%		9%
Corrected Solids (vol%)		6.7%		7.2%
Retort Oil Content		71.5%		70.5%
Retort Water Content		20%		20.5%
O/W Ratio		78:22		77:23
Whole Mud Chlorides (mg/L)		45,000		46,500
Water Phase Salinity (ppm)		260,803		262,367
Whole Mud Alkalinity, Pom		4.0		1.9
Excess Lime (lb/bbl)		5.2 ppb		2.5 ppb
Electrical Stability (volts)		505 v		532 v
Average Specific Gravity of Solids		2.76		2.59
Percent Low Gravity Solids		5.1%		6.2%
ppb Low Gravity Solids		42 ppb		51 ppb
Percent Barite		1.6%		1%
ppb Barite		22 ppb		14 ppb
Estimated Total LCM in System				
Sample Taken By		A. ROMAN		M Washburb

MUD VOLUME (BBL)

In Pits	800 bbl
In Hole	605 bbl
Active	1405 bbl
Storage	2236 bbl
Tot. on Location	3641 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	75
gal/min	197

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	75
gal/min	197

RISER BOOSTER

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

Mud Wt. = 8.8 PV=9 YP=9 **CIRCULATION DATA** n = 0.585 K = 239.1

Bit Depth = 15,138 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
86.3 bbl	Volume to Bit	213.2 bbl	Strokes To Bit	3,413	Time To Bit	23 min
	Bottoms Up Vol.	391.9 bbl	BottomsUp Stks	6,274	BottomsUp Time	42 min
	TotalCirc.Vol.	1405.1 bbl	TotalCirc.Stks	22,494	Total Circ. Time	150 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	14,936'	
Agitator	5.000	2.000	53'	14,936'
				14,989'
Dir. BHA	5.500	2.000	149'	14,989'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	
Int. Csg.	7 5/8	6.875	10,294'	
Washout 1				
Washout 2				
Open Hole Size	6.818		15,138'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	357.0	turb	9.61
6.818x4.5	14,936'	367.7	turb	9.97
6.818x5	14,989'	448.9	turb	10.01
6.818x5.5	15,138'	594.1	turb	10.10

BIT DATA Manuf./Type SEC 64H

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,294 ft	50.0	4,667 ft	93.3

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
NOV Drying Shakers	140	
Centrifuge 1	NOV	

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3634.1
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Pits/ Cent	
Spilled (-)	
Est. Total on Location	3634.1
Est. Losses/Gains (-)/(+)	7.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.36	56 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
152 lbs	85			

Motor/MWD	Calc. Circ. Pressure
2,800 psi	4,840 psi

Afternoon Remarks/Recommendations:

Pump a 10 bbl LCM sweep every 300 ft. Sweep Contains:

10 ppb Newcarb, 10 ppb Newphalt and 10 ppb Magnafiber fine

Afternoon Rig Activity:

Drill 6-3/4" hole section to 15050, perform clean up cycle, pump 3 X 30 bbls sweeps with enhanced flow properties and weighted up to 9.3#, when sweeps returned to shakers did not observe any increase in cuttings volume. Continue to monitor shale shakers, cuttings are "coffee ground" sized, samples at 15138MD are 100% AC. Currently sliding at 15139' Maintain mud wt at 8.8# and keep mud properties and concentrations withins recommended specs.

02/06/21 **Report #10**

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

OUTSOURCE FLUID SOLUTIONS LLC.

5.3° **9,982' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**181 ft**	**15,142 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**18 ft/hr**	**POOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**394 gpm**	**3,151 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	780 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.6-12	**5-20**	**7-13**	**>400**	**±265K**	**<10 <15**	**<8**	In Hole	632 bbl	Stroke	12	Stroke	12	Stroke	
				2/6/21		2/5/21	Active	1192 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				3:00		13:30	Storage	2281 bbl	stk/min	75	stk/min	75	stk/min	
Sample Location				suction		shaker	Tot. on Location	3693 bbl	gal/min	197	gal/min	197	gal/min	0
Flowline Temperature °F				95 °F		96 °F	PHHP = 723		**CIRCULATION DATA**				n = 0.610	K = 215.795
Depth (ft)				15,142'		15,125'	Bit Depth = 10,271 '		Washout = 1%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.5		8.8	Drill String Disp.	Volume to Bit 144.0 bbl		Strokes To Bit 2,305		Time To Bit 15 min		
Funnel Vis (sec/qt)		@ 75 °F		46		43		Bottoms Up Vol. 267.9 bbl		BottomsUp Stks 4,288		BottomsUp Time 29 min		
600 rpm				29		25	59.8 bbl	TotalCirc.Vol. 1191.8 bbl		TotalCirc.Stks 19,080		Total Circ. Time 127 min		
300 rpm				19		17	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				15		14	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				12		11	Drill Pipe	4.500	3.826	10,069'	0'		Shaker 1	170	24.0
6 rpm				6		6	Agitator	5.000	2.000	53'	10,069'		Shaker 2	170	24.0
3 rpm				5		5					10,122'		Shaker 3	170	24.0
Plastic Viscosity (cp)		@ 150 °F		10		8	Dir. BHA	5.500	2.000	149'	10,122'		NOV Drying Shakers	140	24.0
Yield Point (lb/100 ft²)		T0 = 4		9		9	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)		10 sec/10 min		5/9		5/9	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1	NOV	2.0
Gel Strength (lb/100 ft^2)		30 min		14		12	Riser						**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)		@ 250 °F		6.0		6.0	Surface	10 3/4		2,893'	0'		Prev. Total on Location		3634.1
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,294'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				11%		9%	Washout 1						Oil Added (+)		57.5
Corrected Solids (vol%)				9.2%		7.2%	Washout 2						Barite Added (+)		69.1
Retort Oil Content				70%		70.5%	Open Hole Size	6.818	15,142'				Other Product Usage (+)		3.2
Retort Water Content				19%		20.5%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		40.0
O/W Ratio				79:21		77:23	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-8.2
Whole Mud Chlorides (mg/L)				44,000		46,500							Evap/ Pits/ Cent		-50.0
Water Phase Salinity (ppm)				266,397		262,367							Non-Recoverable Vol. (-)		-53.0
Whole Mud Alkalinity, Pom				2.5		1.9	6.875x4.5	10,069'	357.0	turb	10.36		Est. Total on Location		3692.8
Excess Lime (lb/bbl)				3.3 ppb		2.5 ppb	6.875x5	10,122'	433.2	turb	10.38		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				540 v		532 v	6.875x5.5	10,271'	566.9	turb	10.44		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				3.17		2.59							Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				4.9%		6.2%							0.39	61 psi	18 18 18
ppb Low Gravity Solids				40 ppb		51 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				4.3%		1%									
ppb Barite				62 ppb		14 ppb	**BIT DATA**		Manuf./Type		SEC 64H		164 lbs	85	
Estimated Total LCM in System		ppb					Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				A. ROMAN	0	M Washburb	6 3/4	10,294 ft	50.0	4,667 ft	93.3		2,800 psi		4,411 psi

Remarks/Recommendations:

OBM RECEIVED: 3309bbls Rec. 367bbls/ 16.0ppg

OBM ON SURFACE__ 3109bbls (Storage + Active)

OBM LOSS__Daily (-60bbl)__Total (-75bbl)

MWD Temp: 297 Deg.

Rig Activity:

In the past 24hrs: Drilling ahead (Rotating & Sliding) 6-3/4" hole in lateral section to 15142'. Poor ROP while sliding push to decicion to POOH to change out BHA. Pump LCM Sweep (20bbls) and circulate 4.5hrs. While circulating increase Mud Density to 9.2ppg, close well in and monitor pressure, Casing pressure up to 900psi. Resume circulation and increase Density to 9.4ppg. Monitor pressure with well shut in, 550psi. Start Wash & Ream out of the hole to bottom of curve section, and circulate BU. At this point, spot 106 bbls of 16# Kill mud out the bit and resume to POOH conventional way. At the time of report: POOH passing 10271'.

Eng. 1:	Mike Washburn	Eng. 2:	Adolfo Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	361-945-5777	Phone:	956-821-9994	Phone:	432-686-7361	Phone:	-			

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

$12,280.62 **$67,892.57**

INCLUDING 3RD PARTY CHARGES **$16,608.79** **$174,583.42**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/06/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	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	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	550		550				
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	142		120	22	$315.04	531	$7,603.92
LIME (50)	50# sk	$5.00	200		180	20	$100.00	326	$1,630.00
OPTI - G	50# sk	$30.59	160		160			160	$4,894.40
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	55		55			22	$1,306.80
BENTONE 990 (50)	50# sk	$83.59	49		47	2	$167.18	45	$3,761.55
OPTI - MUL	gal	$10.75	220		220			385	$4,138.75
OPTI - WET	gal	$8.34	275		275			220	$1,834.80
NEW PHALT	50# sk	$38.72	170		170			90	$3,484.80
OIL SORB (25)	25# sk	$4.75						40	$190.00
BENTONE 42 (50)	50# sk	$327.26	69		67	2	$654.52	13	$4,254.38
NewCarb UltiMix	50# sk	$6.35	30		30			50	$317.50
NEW CARB (M)	50# sk	$5.25	92		92			55	$288.75
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	132		132			46	$1,290.30
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1450	823	1280	993	$6,952.40	1093	$7,652.40
OPTI DRILL (OBM)	bbl	$65.00	2878		2878				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		325		311	14		184	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	18	$16,650.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	18	$540.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65				823	$2,181.48	1640	$4,346.42
TRUCKING (min)	each	$650.00						1	$650.00
PALLETS (ea)	each	$12.00						29	$348.00
SHRINK WRAP (ea)	each	$12.00						27	$324.00
		Daily Sub-Total $12,280.62			Cumulative Total $67,892.57			$67,892.57	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/06/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	Report #10

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	265		265			75	$3,131.25
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74						7000	$12,180.00
OBM_D 2/1/21	gal	$1.75	1011			1011	$1,769.25	7000	$12,250.00
Diesel Delivery 2/3/21	gal	$1.82	7207		5801	1406	$2,558.92	1406	$2,558.92
Diesel Delivery 2/5/21	gal	$1.82		7205	7205				

Daily Sub-Total $4,328.17

$106,690.85

Cumulative Total AES & 3rd Party $174,583.42

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4													
	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142												
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142													
12,248	Footage Drilled	3,749	3,660	12	-	460	2,838	1,348	181	-	-	-	-	-	-	-	-	-	-	-	-	-
917	New Hole Vol.	356	347	1	-	20	126	60	8	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693
99	Chemical Additions	28	20			17	13	18	3													
1,423	Base Fluid Added	469	438	18	189	23	90	139	58													
76	Barite Increase			7			-	-	69													
367	Weighted Mud Added				367		-	-	-													
-	Slurry Added						-	-	-													
380	Water Added	60	81			39	60	100	40													
18	Added for Washout		18				-	-	-													
2,363	Total Additions	557	557	25	556	79	163	258	170	-	-	-	-	-	-	-	-	-	-	-	-	-
315	Surface Losses	8	56	40		13	25	150	23													
238	Formation Loss		87	80	72		-	-	-													
722	Mud Loss to Cuttings	213	290			22	128	61	8													
131	Unrecoverable Volume				25		-	56	50													
206	Centrifuge Losses		9		84	3	30	50	30													
1,612	Total Losses	221	442	120	181	38	183	317	111	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,693	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693	3,693
-	Mud Recovered																					

3,309

Comments:		Comments:		Comments:	
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	Drilled to 15142' POOH to change out BHA.	2/13/21	
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21		2/14/21	
2/1/21	Running casing at 9582'MD.	2/8/21		2/15/21	
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21		2/16/21	
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21		2/17/21	
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21		2/18/21	
2/5/21	Drilling ahead. Perform Wiper trip 10 stands. Back to bottom and resume drilling.	2/12/21		2/19/21	

2/6/2021 **Report 10 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

15.4° **2,852' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**15,142 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**		**TIH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±265K**	**<10 <15**	**<8**

MUD PROPERTIES

Time Sample Taken	3:00		13:30
Sample Location	suction		suction
Flowline Temperature °F	95 °F		
Depth (ft)	15,142'		15,142'
Mud Weight (ppg)	9.5		9.5
Funnel Vis (sec/qt) @ 75 °F	46		46
600 rpm	29		32
300 rpm	19		21
200 rpm	15		16
100 rpm	12		12
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	10		11
Yield Point (lb/100 ft²) T0 = 4	9		10
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/9		5/9
Gel Strength (lb/100 ft2) 30 min	14		13
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	11%		11%
Corrected Solids (vol%)	9.2%		9.3%
Retort Oil Content	70%		70%
Retort Water Content	19%		19%
O/W Ratio	79:21		79:21
Whole Mud Chlorides (mg/L)	44,000		43,000
Water Phase Salinity (ppm)	266,397		261,928
Whole Mud Alkalinity, Pom	2.5		2.1
Excess Lime (lb/bbl)	3.3 ppb		2.7 ppb
Electrical Stability (volts)	540 v		515 v
Average Specific Gravity of Solids	3.17		3.17
Percent Low Gravity Solids	4.9%		5%
ppb Low Gravity Solids	40 ppb		41 ppb
Percent Barite	4.3%		4.3%
ppb Barite	62 ppb		62 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M Washburb

MUD VOLUME (BBL)

In Pits	780 bbl
In Hole	672 bbl
Active	865 bbl
Storage	2281 bbl
Tot. on Location	3733 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. = 9.5 PV=10 YP=9 **CIRCULATION DATA** n = 0.610 K = 215.8

Bit Depth = 836 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	10.1 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	75.3 bbl	BottomsUp Stks	BottomsUp Time
19.2 bbl	TotalCirc.Vol.	865.4 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	**-2,089'**	
Agitator	5.000	2.000	28'	**-2,089'**
Drill Pipe	4.500	3.826	2,755'	**-2,061'**
Dir. BHA	5.500	2.000	142'	694'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	
Int. Csg.	7 5/8	6.875	10,294'	
Washout 1				
Washout 2				
Open Hole Size	6.818		15,142'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x5	28'		lam	9.50
6.875x4.5	2,783'		lam	9.50
6.875x5.5	2,925'		lam	9.50

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,142 ft			#DIV/0!

Motor/MWD | Calc. Circ. Pressure 58 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
NOV Drying Shakers	140	

Centrifuge 1 NOV

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3692.8
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Pits/ Cent	
Non-Recoverable Vol. (-)	
Est. Total on Location	3692.8
Est. Losses/Gains (-)/(+)	40.6

BIT HYDRAULICS DATA

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

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Pump 106 bbls of 16.0# kill mud at 10291', pull up out of heavy mud cap to 6295, flow check, well stable, pump slug continue to pull out of hole to BHA, lay down thruster, motor and bit, make up new BHA #4. Surface test MWD - good. Trip in hole, depth at time of report is 836'. Receive 206 bbls of 16.0# OBM from Newpark Madisonville.

02/07/21 **Report #11**

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

OUTSOURCE FLUID SOLUTIONS LLC.

93.2° **10,486' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**0 ft**	**15,142 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**0 ft/hr**	**TIH / Circulate**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**399 gpm**	**4,921 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±265K**	**<10 <15**	**<8**
				2/7/21		2/6/21
Time Sample Taken				3:00		13:30
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				15,142'		15,142'
Mud Weight (ppg)				9.5		9.5
Funnel Vis (sec/qt)			@ 70 °F	50		46
600 rpm				29		32
300 rpm				19		21
200 rpm				16		16
100 rpm				10		12
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	10		11
Yield Point (lb/100 ft²)			T0 = 4	9		10
Gel Strength (lb/100 ft²)			10 sec/10 min	5/9		5/9
Gel Strength (lb/100 ft^2)			30 min	12		13
HTHP Filtrate (cm/30 min)			@ 250 °F	7.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				11%		11%
Corrected Solids (vol%)				9.3%		9.3%
Retort Oil Content				70%		70%
Retort Water Content				19%		19%
O/W Ratio				79:21		79:21
Whole Mud Chlorides (mg/L)				43,000		43,000
Water Phase Salinity (ppm)				261,928		261,928
Whole Mud Alkalinity, Pom				2.5		2.1
Excess Lime (lb/bbl)				3.3 ppb		2.7 ppb
Electrical Stability (volts)				540 v		515 v
Average Specific Gravity of Solids				3.23		3.17
Percent Low Gravity Solids				4.6%		5%
ppb Low Gravity Solids				38 ppb		41 ppb
Percent Barite				4.6%		4.3%
ppb Barite				67 ppb		62 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M Washburb

MUD VOLUME (BBL)

In Pits	600 bbl
In Hole	606 bbl
Active	1206 bbl
Storage	2551 bbl
Tot. on Location	3757 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	
gal/min	0

PHHP = 1145 **CIRCULATION DATA** n = 0.610 K = 215.795

Bit Depth = 15,142 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
85.8 bbl	Volume to Bit	213.6 bbl	Strokes To Bit	3,419	Time To Bit	22 min
	Bottoms Up Vol.	392.2 bbl	BottomsUp Stks	6,279	BottomsUp Time	41 min
	TotalCirc.Vol.	1205.8 bbl	TotalCirc.Stks	19,303	Total Circ. Time	127 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	12,217'	0'
Agitator	5.000	2.000	28'	12,217'
Drill Pipe	4.500	3.826	2,755'	12,245'
Dir. BHA	5.500	2.000	142'	15,000'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	0'
Int. Csg.	7 5/8	6.875	10,294'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	15,142'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	361.8	turb	10.41
6.818x4.5	12,217'	372.6	turb	10.53
6.818x5	12,245'	454.9	turb	10.53
6.818x4.5	15,000'	372.6	turb	10.78
6.818x5.5	15,142'	602.0	turb	10.84

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,142 ft	0.0	0 ft	#DIV/0!

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	24.0
Shaker 2	170	24.0
Shaker 3	170	24.0
NOV Drying Shakers	140	24.0
Centrifuge 1	NOV	3.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3692.8
Transferred In(+)/Out(-)	206.0
Oil Added (+)	23.5
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	20.0
Left on Cuttings (-)	0.0
Evap/ Pits/ Cent	-50.0
Non-Recoverable Vol. (-)	-135.5
Est. Total on Location	3756.8
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Motor/MWD	Calc. Circ. Pressure
2,240 psi	4,470 psi

Remarks/Recommendations:

OBM RECEIVED: 3515bbls Rec. 206bbls/ 16.0ppg

OBM ON SURFACE__ 3151bbls (Storage + Active)

OBM LOSS__Daily (-bbl)__Total (-75bbl)

MWD Temp: --- Deg.

Rig Activity:

In the past 24hrs: POOH and change out BHA. Bit showed 1 chiped cutter and motor in fair condition. Picked up new bit, Motor and start TIH 800'. Perform Rig service and Slip & Cut Drill line. Resume TIH to 9000', install rotating head and Pump BU. No heavy mud at this point. Continue TIH to 12000' circulate 2nd. BU. Capture heavy mud in the trip tank and forward it to slug tank, max density noted was 15.6ppg total recovered 160bbls (11.5 to 15.6ppg). Continue to Strip in the hole back to bottom. Casing pressure 550 to 450psi while striping in the hole. At the time of report: Reach Bottom, set circulation and resume drilling operations passing 15158'.

Eng. 1:	Mike Washburn	Eng. 2:	Adolfo Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	956-821-9994	Phone:	432-686-7361	Phone:	-	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$1,910.00	**$69,802.57**
INCLUDING 3RD PARTY CHARGES	**$3,704.52**	**$178,287.94**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/07/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	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	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	550		550				
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	120		120			531	$7,603.92
LIME (50)	50# sk	$5.00	180		180			326	$1,630.00
OPTI - G	50# sk	$30.59	160		160			160	$4,894.40
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	55		55			22	$1,306.80
BENTONE 990 (50)	50# sk	$83.59	47		47			45	$3,761.55
OPTI - MUL	gal	$10.75	220		220			385	$4,138.75
OPTI - WET	gal	$8.34	275		275			220	$1,834.80
NEW PHALT	50# sk	$38.72	170		170			90	$3,484.80
OIL SORB (25)	25# sk	$4.75						40	$190.00
BENTONE 42 (50)	50# sk	$327.26	67		67			13	$4,254.38
NewCarb UltiMix	50# sk	$6.35	30		30			50	$317.50
NEW CARB (M)	50# sk	$5.25	92		92			55	$288.75
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	132		132			46	$1,290.30
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1280		1280			1093	$7,652.40
OPTI DRILL (OBM)	bbl	$65.00	2878	206	3084				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		311		242	69		253	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	20	$18,500.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	20	$600.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65						1640	$4,346.42
TRUCKING (min)	each	$650.00						1	$650.00
PALLETS (ea)	each	$12.00						29	$348.00
SHRINK WRAP (ea)	each	$12.00						27	$324.00
		Daily Sub-Total $1,910.00			**Cumulative Total $69,802.57**			**$69,802.57**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/07/21	**MAGNOLIA OIL & GAS**	**SABINE B 2-H**	**248**	**Report #11**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	265		265			75	$3,131.25
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74						7000	$12,180.00
OBM_D 2/1/21	gal	$1.75						7000	$12,250.00
Diesel Delivery 2/3/21	gal	$1.82	5801		4815	986	$1,794.52	2392	$4,353.44
Diesel Delivery 2/5/21	gal	$1.82	7205		7205				
						Daily Sub-Total	**$1,794.52**		**$108,485.37**

Cumulative Total AES & 3rd Party $178,287.94

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4												
	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142											
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142												
12,248	Footage Drilled	3,749	3,660	12	-	460	2,838	1,348	181	-	-	-	-	-	-	-	-	-	-	-	-	-
917	New Hole Vol.	356	347	1	-	20	126	60	8	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757
99	Chemical Additions	28	20			17	13	18	3	-												
1,447	Base Fluid Added	469	438	18	189	23	90	139	58	24												
76	Barite Increase			7			-	-	69	-												
573	Weighted Mud Added				367		-	-	-	206												
-	Slurry Added						-	-	-	-												
400	Water Added	60	81			39	60	100	40	20												
18	Added for Washout		18				-	-	-	-												
2,612	Total Additions	557	557	25	556	79	163	258	170	250	-	-	-	-	-	-	-	-	-	-	-	-
315	Surface Losses	8	56	40		13	25	150	23	-												
238	Formation Loss		87	80	72		-	-	-	-												
722	Mud Loss to Cuttings	213	290			22	128	61	8	-												
267	Unrecoverable Volume				25		-	56	50	136												
256	Centrifuge Losses		9		84	3	30	50	30	50												
1,797	Total Losses	221	442	120	181	38	183	317	111	186	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,757	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757
-	Mud Recovered																					

3,515

Comments:		Comments:		Comments:	
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	Drilled to 15142' POOH to change out BHA.	2/13/21	
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21	Pick up new BHA, TIH, circulate kill mud. Reach bottom and resume drilling.	2/14/21	
2/1/21	Running casing at 9582'MD.	2/8/21		2/15/21	
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21		2/16/21	
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21		2/17/21	
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21		2/18/21	
2/5/21	Drilling ahead. Perform Wiper trip 10 stands. Back to bottom and resume drilling.	2/12/21		2/19/21	

2/7/2021 **Report 11 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

93.1° **10,482' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**15,204 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**4 ft/hr**	**DRILLING**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**399 gpm**	**4,616 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±265K**	**<10 <15**	**<8**

MUD PROPERTIES

Time Sample Taken	3:00		12:30
Sample Location	suction		shaker
Flowline Temperature °F			105 °F
Depth (ft)	15,142'		15,204'
Mud Weight (ppg)	9.5		9.4
Funnel Vis (sec/qt) @ 72 °F	50		43
600 rpm	29		28
300 rpm	19		19
200 rpm	16		16
100 rpm	10		11
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	10		9
Yield Point (lb/100 ft²) T0 = 4	9		10
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/9		5/9
Gel Strength (lb/100 ft2) 30 min	12		11
HTHP Filtrate (cm/30 min) @ 250 °F	7.0		6.6
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	11%		11%
Corrected Solids (vol%)	9.3%		9.3%
Retort Oil Content	70%		69%
Retort Water Content	19%		20%
O/W Ratio	79:21		78:22
Whole Mud Chlorides (mg/L)	43,000		44,500
Water Phase Salinity (ppm)	261,928		258,654
Whole Mud Alkalinity, Pom	2.5		2.1
Excess Lime (lb/bbl)	3.3 ppb		2.7 ppb
Electrical Stability (volts)	540 v		590 v
Average Specific Gravity of Solids	3.23		3.01
Percent Low Gravity Solids	4.6%		5.8%
ppb Low Gravity Solids	38 ppb		47 ppb
Percent Barite	4.6%		3.5%
ppb Barite	67 ppb		50 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M Washburb

MUD VOLUME (BBL)

In Pits	600 bbl
In Hole	608 bbl
Active	1208 bbl
Storage	2551 bbl
Tot. on Location	3759 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. = 9.5 PV=10 YP=9 **CIRCULATION DATA** n = 0.610 K = 215.8

Bit Depth = 15,204 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.							
86.1 bbl	Volume to Bit	214.4 bbl	Strokes To Bit	3,433	Time To Bit	23 min
	Bottoms Up Vol.	393.8 bbl	BottomsUp Stks	6,304	BottomsUp Time	41 min
	TotalCirc.Vol.	1208.2 bbl	TotalCirc.Stks	19,342	Total Circ. Time	127 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	12,279'	
Agitator	5.000	2.000	28'	12,279'
Drill Pipe	4.500	3.826	2,755'	12,307'
Dir. BHA	5.500	2.000	142'	15,062'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	
Int. Csg.	7 5/8	6.875	10,294'	
Washout 1				
Washout 2				
Open Hole Size	6.818		15,204'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	361.8	turb	10.41
6.818x4.5	12,279'	372.6	turb	10.54
6.818x5	12,307'	454.9	turb	10.55
6.818x4.5	15,062'	372.6	turb	10.80
6.818x5.5	15,204'	602.0	turb	10.86

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,142 ft			#DIV/0!

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
NOV Drying Shakers	140	
Centrifuge 1	NOV	

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3756.8
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Pits/ Cent	
Non-Recoverable Vol. (-)	
Est. Total on Location	3756.8
Est. Losses/Gains (-)/(+)	2.5

BIT HYDRAULICS DATA

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

Motor/MWD 2,240 psi Calc. Circ. Pressure 4,478 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Ream and wash with new BHA #4 to btm at 15142, currently sliding at 2 - 4 ft/hr. Cuttings are consistently coffee ground sized 100% Austin Chalk. Pumping 10 bbls sweep every 15 minutes with Magmafiber F, First Response, Newcarb M, Newphalt, and Evolube as requested by Magnolia, flow properties enhanced with Bentone 990. Increasing mud wt from 9.4# to 9.8#. Ordered Polybeads and Graphite from Newpark Cotulla WH.

02/08/21 **Report #12**

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

OUTSOURCE FLUID SOLUTIONS LLC.

88.4° **10,490' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**544 ft**	**15,686 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**25 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**399 gpm**	**4,852 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±265K**	**<10 <15**	**<8**
				2/8/21		2/7/21
Time Sample Taken				3:00		12:30
Sample Location				suction		shaker
Flowline Temperature °F				100 °F		105 °F
Depth (ft)				15,684'		15,204'
Mud Weight (ppg)				10.1		9.4
Funnel Vis (sec/qt)			@ 72 °F	46		43
600 rpm				29		28
300 rpm				18		19
200 rpm				15		16
100 rpm				10		11
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	11		9
Yield Point (lb/100 ft²)			T0 = 4	7		10
Gel Strength (lb/100 ft²)			10 sec/10 min	5/10		5/9
Gel Strength (lb/100 ft^2)			30 min	14		11
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.6
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				14%		11%
Corrected Solids (vol%)				12.3%		9.3%
Retort Oil Content				67%		69%
Retort Water Content				19%		20%
O/W Ratio				78:22		78:22
Whole Mud Chlorides (mg/L)				42,000		44,500
Water Phase Salinity (ppm)				257,405		258,654
Whole Mud Alkalinity, Pom				2.0		2.1
Excess Lime (lb/bbl)				2.6 ppb		2.7 ppb
Electrical Stability (volts)				565 v		590 v
Average Specific Gravity of Solids				3.23		3.01
Percent Low Gravity Solids				6.1%		5.8%
ppb Low Gravity Solids				50 ppb		47 ppb
Percent Barite				6.2%		3.5%
ppb Barite				89 ppb		50 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M Washburb

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	769 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
In Hole	627 bbl	Stroke	12	Stroke	12	Stroke	
Active	1396 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Storage	2281 bbl	stk/min	76	stk/min	76	stk/min	
Tot. on Location	3677 bbl	gal/min	199	gal/min	199	gal/min	0

CIRCULATION DATA					
PHHP = 1129					n = 0.688 K = 125.689
Bit Depth = 15,686 '		Washout = 1%		Pump Efficiency = 95%	
Drill String Disp.	Volume to Bit 221.3 bbl	Strokes To Bit 3,543		Time To Bit 23 min	
88.8 bbl	Bottoms Up Vol. 406.1 bbl	BottomsUp Stks 6,501		BottomsUp Time 43 min	
	TotalCirc.Vol. 1396.4 bbl	TotalCirc.Stks 22,354		Total Circ. Time 147 min	

DRILLING ASSEMBLY DATA				
Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	12,761'	0'
Agitator	5.000	2.000	28'	12,761'
Drill Pipe	4.500	3.826	2,755'	12,789'
Dir. BHA	5.500	2.000	142'	15,544'

CASING & HOLE DATA				
Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	0'
Int. Csg.	7 5/8	6.875	10,294'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	15,686'	

ANNULAR GEOMETRY & RHEOLOGY				
annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	361.8	turb	11.09
6.818x4.5	12,761'	372.6	turb	11.29
6.818x5	12,789'	454.9	turb	11.31
6.818x4.5	15,544'	372.6	turb	11.60
6.818x5.5	15,686'	602.0	turb	11.68

BIT DATA						
		Manuf./Type		GTD64M		
Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	15,142 ft	22.0	544 ft	24.7	2,240 psi	4,704 psi

SOLIDS CONTROL		
Unit	Screens	Hours
Shaker 1	170	24.0
Shaker 2	170	24.0
Shaker 3	170	24.0
NOV Drying Shakers	140	24.0
Centrifuge 1	NOV	2.0

VOLUME ACCOUNTING (bbls)	
Prev. Total on Location	3756.8
Transferred In(+)/Out(-)	
Oil Added (+)	103.1
Barite Added (+)	40.6
Other Product Usage (+)	23.6
Water Added (+)	50.0
Left on Cuttings (-)	-24.6
Evap/ Pits/ Cent	-50.0
Non-Recoverable Vol. (-)	-222.1
Est. Total on Location	3677.4
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA					
Bit H.S.I.	Bit ΔP	Nozzles (32nds)			
0.43	67 psi	18	18	18	
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18	
180 lbs	86				

Remarks/Recommendations:

OBM RECEIVED: 3515bbls Rec. 206bbls/ 16.0ppg

OBM ON SURFACE__ 3151bbls (Storage + Active)

OBM LOSS__Daily (-80bbl)__Total (-155bbl)

MWD Temp: 291 Deg.

Rig Activity:

In the past 24hrs: We continue drilling ahead inlateral section, formation samples showing 100%AC. @15,193' Start implementing 10bbl Sweeps every 15min with 10ppb Polymer Beads & 2.5ppb Graphite. Incrementing ROP while Sliding F/4-6 T/7-17ft/hr. Rotating ROP steady F/170 T/200+ ft/hr. By eliminating LCM from sweeps, well start showing signs of seepage. Start 10ppb LCM Sweeps while while rotating 10bbls (MagmaFiber/1st response + NewCarb & NewPhalt 2.5ppb/ea). Pump Rate maintain @390-400gpm. Diesel / Water and chemical additions to maintain properites and dilution. Mud Chiller running. At the time of report: Continue Drilling operations passing 15688'.

Eng. 1:	Mike Washburn	Eng. 2:	Adolfo Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	956-821-9994	Phone:	432-686-7361	Phone:	-	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$41,292.10	**$111,094.67**
INCLUDING 3RD PARTY CHARGES	**$49,529.59**	**$227,817.53**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/08/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	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	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	550		400	150	$2,100.00	150	$2,100.00
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	120		100	20	$286.40	551	$7,890.32
LIME (50)	50# sk	$5.00	180		140	40	$200.00	366	$1,830.00
OPTI - G	50# sk	$30.59	160		120	40	$1,223.60	200	$6,118.00
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	55		53	2	$118.80	24	$1,425.60
BENTONE 990 (50)	50# sk	$83.59	47		42	5	$417.95	50	$4,179.50
OPTI - MUL	gal	$10.75	220		220			385	$4,138.75
OPTI - WET	gal	$8.34	275		275			220	$1,834.80
NEW PHALT	50# sk	$38.72	170		150	20	$774.40	110	$4,259.20
OIL SORB (25)	25# sk	$4.75						40	$190.00
BENTONE 42 (50)	50# sk	$327.26	67		62	5	$1,636.30	18	$5,890.68
NewCarb UltiMix	50# sk	$6.35	30		20	10	$63.50	60	$381.00
NEW CARB (M)	50# sk	$5.25	92		82	10	$52.50	65	$341.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	132		115	17	$476.85	63	$1,767.15
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
GRAPHITE - FINE (50)	50# sk	$24.14		69	52	17	$410.38	17	$410.38
POLYBEADS FINE (50)	50# sk	$311.38		360	280	80	$24,910.40	80	$24,910.40
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1280	403	1100	583	$4,079.60	1676	$11,732.00
OPTI DRILL (OBM)	bbl	$65.00	3084		3084				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		242		162	80		333	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	22	$20,350.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	22	$660.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65				403	$1,067.42	2043	$5,413.84
TRUCKING (min)	each	$650.00				2	$1,300.00	3	$1,950.00
PALLETS (ea)	each	$12.00				11	$132.00	40	$480.00
SHRINK WRAP (ea)	each	$12.00				11	$132.00	38	$456.00
		Daily Sub-Total $41,292.10			**Cumulative Total $111,094.67**			**$111,094.67**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/08/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	Report #12

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	265		250	15	$626.25	90	$3,757.50
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74						7000	$12,180.00
OBM_D 2/1/21	gal	$1.75						7000	$12,250.00
Diesel Delivery 2/3/21	gal	$1.82	4815		633	4182	$7,611.24	6574	$11,964.68
Diesel Delivery 2/5/21	gal	$1.82	7205		7205				
							Daily Sub-Total $8,237.49		$116,722.86

Cumulative Total AES & 3rd Party $227,817.53

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4											
	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686										
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686											
12,792	Footage Drilled	3,749	3,660	12	-	460	2,838	1,348	181	-	544	-	-	-	-	-	-	-	-	-	-	-
941	New Hole Vol.	356	347	1	-	20	126	60	8	-	24	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,677	3,677	3,677	3,677	3,677	3,677	3,677	3,677	3,677	3,677
122	Chemical Additions	28	20			17	13	18	3	-	23											
1,550	Base Fluid Added	469	438	18	189	23	90	139	58	24	103											
117	Barite Increase			7			-	-	69	-	41											
573	Weighted Mud Added				367		-	-	-	206	-											
-	Slurry Added						-	-	-	-	-											
450	Water Added	60	81			39	60	100	40	20	50											
18	Added for Washout		18				-	-	-	-	-											
2,829	Total Additions	557	557	25	556	79	163	258	170	250	217	-	-	-	-	-	-	-	-	-	-	-
437	Surface Losses	8	56	40		13	25	150	23	-	122											
338	Formation Loss		87	80	72		-	-	-	-	100											
746	Mud Loss to Cuttings	213	290			22	128	61	8	-	25											
267	Unrecoverable Volume				25		-	56	50	136												
306	Centrifuge Losses		9		84	3	30	50	30	50	50											
2,094	Total Losses	221	442	120	181	38	183	317	111	186	297	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,677	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,677	3,677	3,677	3,677	3,677	3,677	3,677	3,677	3,677	3,677	3,677
-	Mud Recovered																					

3,515

Comments:		Comments:		Comments:	
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	Drilled to 15142' POOH to change out BHA.	2/13/21	
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21	Pick up new BHA, TIH, circulate kill mud. Reach bottom and resume drilling.	2/14/21	
2/1/21	Running casing at 9582'MD.	2/8/21	Drilling ahead, Pump 10bbls Polymer Beads every 15min, while sliding, Seepage noted, start LCM sweeps while rotating,	2/15/21	
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21		2/16/21	
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21		2/17/21	
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21		2/18/21	
2/5/21	Drilling ahead. Perform Wiper trip 10 stands. Back to bottom and resume drilling.	2/12/21		2/19/21	

2/8/2021 **Report 12 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

90.2° **10,598' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**15,696 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**		**POOH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**47 gpm**	**60 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±265K**	**<10 <15**	**<8**

MUD PROPERTIES				
Time Sample Taken		3:00		13:00
Sample Location		suction		suction
Flowline Temperature °F		100 °F		
Depth (ft)		15,684'		15,696'
Mud Weight (ppg)		10.1		10.0
Funnel Vis (sec/qt)	@ 72 °F	46		44
600 rpm		29		33
300 rpm		18		21
200 rpm		15		17
100 rpm		10		11
6 rpm		6		6
3 rpm		5		5
Plastic Viscosity (cp)	@ 150 °F	11		12
Yield Point (lb/100 ft²)	T0 = 4	7		9
Gel Strength (lb/100 ft²)	10 sec / 10 min	5/10		5/9
Gel Strength (lb/100 ft2)	30 min	14		11
HTHP Filtrate (cm/30 min)	@ 250 °F	6.0		6.6
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		14%		13.5%
Corrected Solids (vol%)		12.3%		11.8%
Retort Oil Content		67%		66.5%
Retort Water Content		19%		20%
O/W Ratio		78:22		77:23
Whole Mud Chlorides (mg/L)		42,000		43,500
Water Phase Salinity (ppm)		257,405		254,320
Whole Mud Alkalinity, Pom		2.0		1.9
Excess Lime (lb/bbl)		2.6 ppb		2.5 ppb
Electrical Stability (volts)		565 v		590 v
Average Specific Gravity of Solids		3.23		3.16
Percent Low Gravity Solids		6.1%		6.3%
ppb Low Gravity Solids		50 ppb		52 ppb
Percent Barite		6.2%		5.5%
ppb Barite		89 ppb		79 ppb
Estimated Total LCM in System				
Sample Taken By		A. ROMAN		M Washburb

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER
In Pits	769 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size
In Hole	646 bbl	Stroke	12	Stroke	12	Stroke
Active	1263 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk
Storage	2281 bbl	stk/min	18	stk/min		stk/min
Tot. on Location	3696 bbl	gal/min	47	gal/min		gal/min

Mud Wt. = 10.1 PV=11 YP=7 **CIRCULATION DATA** n = 0.688 K = 125.7

Bit Depth = 12,332 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
70.5 bbl	Volume to Bit	173.6 bbl	Strokes To Bit	2,779	Time To Bit	154 min
	Bottoms Up Vol.	320.6 bbl	BottomsUp Stks	5,132	BottomsUp Time	285 min
	TotalCirc.Vol.	1263.2 bbl	TotalCirc.Stks	20,222	Total Circ. Time	1123 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	9,407'	
Agitator	5.000	2.000	28'	9,407'
Drill Pipe	4.500	3.826	2,755'	9,435'
Dir. BHA	5.500	2.000	142'	12,190'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	
Int. Csg.	7 5/8	6.875	10,294'	
Washout 1				
Washout 2				
Open Hole Size	6.818		15,696'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	9,407'	42.8	lam	10.42
6.875x5	9,435'	52.0	lam	10.42
6.875x4.5	10,294'	42.8	lam	10.42
6.818x4.5	12,190'	44.1	lam	10.45
6.818x5.5	12,332'	71.3	lam	10.46

BIT DATA Manuf./Type GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,142 ft	22.0	544 ft	24.7

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
NOV Drying Shakers	140	

Centrifuge 1 NOV

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3677.4
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Pits/ Cent	
Non-Recoverable Vol. (-)	
Est. Total on Location	3677.4
Est. Losses/Gains (-)/(+)	18.7

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.00	1 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
3 lbs	10			

Motor/MWD 2,240 psi | Calc. Circ. Pressure 2,472 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drill 6-3/4" lateral hole section to 15696, pumping 10 bbls polybead / graphite sweeps every 15 minutes alternating with LCM sweeps containing: Magmafiber F/ First Response/ Newcarb M / Newphalt. At 15696, trip for new BHA, backream out of hole to 13574 continue pulling out of hole pumping calculated fill down casing. Trip depth at time of report is 11952. Maintain mud wt at 10.0 - 10.1 while circulating.

02/09/21 **Report #13**

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**	**01/14/21**	**10 ft**	**15,696 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**2 ft/hr**	**P/U BHA**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**0 gpm**	**60 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±260K**	**<10 <15**	**<8**
				2/9/21		2/8/21
Time Sample Taken				3:00		13:00
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				15,696'		15,696'
Mud Weight (ppg)				10.1		10.0
Funnel Vis (sec/qt)			@ 70 °F	50		44
600 rpm				31		33
300 rpm				20		21
200 rpm				16		17
100 rpm				11		11
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	11		12
Yield Point (lb/100 ft²)			T0 = 4	9		9
Gel Strength (lb/100 ft²)			10 sec/10 min	6/11		5/9
Gel Strength (lb/100 ft^2)			30 min	14		11
HTHP Filtrate (cm/30 min)			@ 250 °F	7.0		6.6
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				14%		13.5%
Corrected Solids (vol%)				12.2%		11.8%
Retort Oil Content				66%		66.5%
Retort Water Content				20%		20%
O/W Ratio				77:23		77:23
Whole Mud Chlorides (mg/L)				44,000		43,500
Water Phase Salinity (ppm)				256,494		254,320
Whole Mud Alkalinity, Pom				1.8		1.9
Excess Lime (lb/bbl)				2.3 ppb		2.5 ppb
Electrical Stability (volts)				574 v		590 v
Average Specific Gravity of Solids				3.21		3.16
Percent Low Gravity Solids				6.2%		6.3%
ppb Low Gravity Solids				51 ppb		52 ppb
Percent Barite				6%		5.5%
ppb Barite				86 ppb		79 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M Washburb

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	669 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
In Hole	717 bbl	Stroke	12	Stroke	12	Stroke	
Active	669 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Storage	2332 bbl	stk/min	0	stk/min	0	stk/min	
Tot. on Location	3718 bbl	gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA			
PHHP = 0			n = 0.632 K = 197.766
Bit Depth = '		Washout = 1%	Pump Efficiency = 95%
Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol. 0.0 bbl	BottomsUp Stks	BottomsUp Time
0.0 bbl	TotalCirc.Vol. 669.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	0'	0'
Agitator	5.000	2.000		0'
Drill Pipe	4.500	3.826		0'
Dir. BHA	5.500	2.000		0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	0'
Int. Csg.	7 5/8	6.875	10,294'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	15,696'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type CF 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,696 ft	0.0	0 ft	#DIV/0!

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	24.0
Shaker 2	170	24.0
Shaker 3	170	24.0
NOV Drying Shakers	140	24.0
Centrifuge 1	NOV	0.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3677.4
Transferred In(+)/Out(-)	
Oil Added (+)	21.7
Barite Added (+)	13.9
Other Product Usage (+)	0.0
Water Added (+)	10.0
Left on Cuttings (-)	-0.5
Evap/ Pits/ Cent	-4.9
Non-Recoverable Vol. (-)	
Est. Total on Location	3717.6
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.00	psi	10	10	10
Bit Impact Force	Nozzle Velocity (ft/sec)	10	10	10
0 lbs	0			

Motor/MWD	Calc. Circ. Pressure
1,500 psi	

Remarks/Recommendations:

OBM RECEIVED: 3515bbls Rec. 206bbls/ 16.0ppg

OBM ON SURFACE__ 3001bbls (Storage + Active)

OBM LOSS__Daily (-80bbl)__Total (-155bbl)

MWD Temp: XXXX Deg.

Rig Activity:

In the past 24hrs: We drilled to 15696'. Start Back reaming out of the hole up to 13574', Pull conventional up to 11281'. Circulate BU at this point maintaining 10.1ppg, gas from well bore peaked at 5000units with 1# mud cut (9.2ppg at flowLine). With gas at 700units Pumped 116bbls of 16ppg Kill mud and pump same out of the bit. Continue POOH up to the shoe and perform flow check at the trip tanks. With Well in static conditions, continue POOH. Lay down all Directional BHA, and Pick up Schlumberger BHA. Pending stabilizer for BHA arraive on location 03:00hrs. While waiting on tool to arrive, perform rig service and maintenance. At the time of report: Finish up with BHA.

Eng. 1:	Mike Washburn	Eng. 2:	Adolfo Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	956-821-9994	Phone:	432-686-7361	Phone:	-	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	-$8,150.40	**$102,944.27**
INCLUDING 3RD PARTY CHARGES	**-$6,494.20**	**$221,323.33**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/09/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	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	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	400		400			150	$2,100.00
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	100		100			551	$7,890.32
LIME (50)	50# sk	$5.00	140		140			366	$1,830.00
OPTI - G	50# sk	$30.59	120		120			200	$6,118.00
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	53		53			24	$1,425.60
BENTONE 990 (50)	50# sk	$83.59	42		42			50	$4,179.50
OPTI - MUL	gal	$10.75	220		220			385	$4,138.75
OPTI - WET	gal	$8.34	275		275			220	$1,834.80
NEW PHALT	50# sk	$38.72	150		150			110	$4,259.20
OIL SORB (25)	25# sk	$4.75						40	$190.00
BENTONE 42 (50)	50# sk	$327.26	62		62			18	$5,890.68
NewCarb UltiMix	50# sk	$6.35	20		20			60	$381.00
NEW CARB (M)	50# sk	$5.25	82		82			65	$341.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	115		115			63	$1,767.15
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
GRAPHITE - FINE (50)	50# sk	$24.14	52		52			17	$410.38
POLYBEADS FINE (50)	50# sk	$311.38	280	-360		-80	-$24,910.40		
POLYBEADS FINE (50)	50# sk	$160.00		160	80	80	$12,800.00	80	$12,800.00
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1100		900	200	$1,400.00	1876	$13,132.00
OPTI DRILL (OBM)	bbl	$65.00	3084		3084				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		162		162			333	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	24	$22,200.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	24	$720.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65						2043	$5,413.84
TRUCKING (min)	each	$650.00				1	$650.00	4	$2,600.00
PALLETS (ea)	each	$12.00						40	$480.00
SHRINK WRAP (ea)	each	$12.00						38	$456.00
		-Daily Sub-Total $8,150.40			**Cumulative Total $102,944.27**			**$102,944.27**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/09/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	Report #13

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	250		250			90	$3,757.50
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
POLYBEADS FINE (50)	50# sk	$95.00		200	200				
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74						7000	$12,180.00
OBM_D 2/1/21	gal	$1.75						7000	$12,250.00
Diesel Delivery 2/3/21	gal	$1.82	633			633	$1,152.06	7207	$13,116.74
Diesel Delivery 2/5/21	gal	$1.82	7205		6928	277	$504.14	277	$504.14
Diesel Delivery 2/8/21	gal	$1.87		7200	7200				

Daily Sub-Total $1,656.20

$118,379.06

Cumulative Total AES & 3rd Party $221,323.33

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4										
	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696									
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696										
12,802	Footage Drilled	3,749	3,660	12	-	460	2,838	1,348	181	-	544	10	-	-	-	-	-	-	-	-	-	-
942	New Hole Vol.	356	347	1	-	20	126	60	8	-	24	0	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,718	3,718	3,718	3,718	3,718	3,718	3,718	3,718	3,718
122	Chemical Additions	28	20			17	13	18	3	-	23	-										
1,572	Base Fluid Added	469	438	18	189	23	90	139	58	24	103	22										
131	Barite Increase			7			-	-	69	-	41	14										
573	Weighted Mud Added				367		-	-	-	206	-	-										
-	Slurry Added						-	-	-	-	-	-										
460	Water Added	60	81			39	60	100	40	20	50	10										
18	Added for Washout		18				-	-	-	-	-	-										
2,875	Total Additions	557	557	25	556	79	163	258	170	250	217	46	-	-	-	-	-	-	-	-	-	-
441	Surface Losses	8	56	40		13	25	150	23	-	122	4										
338	Formation Loss		87	80	72		-	-	-	-	100	-										
747	Mud Loss to Cuttings	213	290			22	128	61	8	-	25	1										
267	Unrecoverable Volume				25		-	56	50	136		-										
306	Centrifuge Losses		9		84	3	30	50	30	50	50	-										
2,098	Total Losses	221	442	120	181	38	183	317	111	186	297	5	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,718	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,718	3,718	3,718	3,718	3,718	3,718	3,718	3,718	3,718	3,718
-	Mud Recovered																					

3,515

Comments:		Comments:		Comments:	
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	Drilled to 15142' POOH to change out BHA.	2/13/21	
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21	Pick up new BHA, TIH, circulate kill mud. Reach bottom and resume drilling.	2/14/21	
2/1/21	Running casing at 9582'MD.	2/8/21	Drilling ahead, Pump 10bbls Polymer Beads every 15min, while sliding, Seepage noted, start LCM sweeps while rotating,	2/15/21	
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21	Drilled to 15696'. Start POOH. Spot 116bbls of 16ppg OBM at 11,500'. Lay down ProDirectional and pick up Schlumberger.	2/16/21	
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21		2/17/21	
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21		2/18/21	
2/5/21	Drilling ahead. Perform Wiper trip 10 stands. Back to bottom and resume drilling.	2/12/21		2/19/21	

2/9/2021 **Report 13 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

91.8° **10,602' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**15,696 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**		**STRIP IN HOLE**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**239 gpm**	**3,081 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±260K**	**<10 <15**	**<8**

MUD PROPERTIES				
Time Sample Taken	3:00		13:00	
Sample Location	suction		suction	
Flowline Temperature °F				
Depth (ft)	15,696'		15,696'	
Mud Weight (ppg)	10.1		10.1	
Funnel Vis (sec/qt) @ 85 °F	50		48	
600 rpm	31		32	
300 rpm	20		21	
200 rpm	16		16	
100 rpm	11		12	
6 rpm	6		6	
3 rpm	5		5	
Plastic Viscosity (cp) @ 150 °F	11		11	
Yield Point (lb/100 ft²) T0 = 4	9		10	
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/11		6/10	
Gel Strength (lb/100 ft2) 30 min	14		12	
HTHP Filtrate (cm/30 min) @ 250 °F	7.0		6.4	
HTHP Cake Thickness (32nds)	2.0		2.0	
Retort Solids Content	14%		14%	
Corrected Solids (vol%)	12.2%		12.3%	
Retort Oil Content	66%		66%	
Retort Water Content	20%		20%	
O/W Ratio	77:23		77:23	
Whole Mud Chlorides (mg/L)	44,000		44,500	
Water Phase Salinity (ppm)	256,494		258,654	
Whole Mud Alkalinity, Pom	1.8		1.6	
Excess Lime (lb/bbl)	2.3 ppb		2.1 ppb	
Electrical Stability (volts)	574 v		605 v	
Average Specific Gravity of Solids	3.21		3.17	
Percent Low Gravity Solids	6.2%		6.5%	
ppb Low Gravity Solids	51 ppb		54 ppb	
Percent Barite	6%		5.7%	
ppb Barite	86 ppb		82 ppb	
Estimated Total LCM in System				
Sample Taken By	A. ROMAN		M Washburb	

MUD VOLUME (BBL)

In Pits	669 bbl
In Hole	652 bbl
Active	1146 bbl
Storage	2332 bbl
Tot. on Location	3653 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	91
gal/min	239

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. = 10.1 PV=11 YP=9 **CIRCULATION DATA** n = 0.632 K = 197.8

Bit Depth = 11,825 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
64.5 bbl	Volume to Bit	168.2 bbl	Strokes To Bit	2,692	Time To Bit	30 min
	Bottoms Up Vol.	309.2 bbl	BottomsUp Stks	4,949	BottomsUp Time	54 min
	TotalCirc.Vol.	1146.3 bbl	TotalCirc.Stks	18,351	Total Circ. Time	202 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	11,825'	
Dir. BHA	5.750	2.250		11,825'
				11,825'
				11,825'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	
Int. Csg.	7 5/8	6.875	10,294'	
Washout 1				
Washout 2				
Open Hole Size	6.818		15,696'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	216.6	lam	10.57
6.818x4.5	11,825'	223.0	lam	10.61

BIT DATA Manuf./Type CF 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,696 ft			#DIV/0!

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
NOV Drying Shakers	140	

Centrifuge 1 NOV

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3717.6
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Pits/ Cent	
Non-Recoverable Vol. (-)	
Est. Total on Location	3717.6
Est. Losses/Gains (-)/(+)	-64.5

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.98	251 psi	10	10	10
Bit Impact Force	Nozzle Velocity (ft/sec)	10	10	10
209 lbs	166			

Motor/MWD	Calc. Circ. Pressure
1,500 psi	2,419 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Trip in hole with BHA #5 to 7200, circulate and catch 20 bbls 12.5# in trip tank, trip in hole to 10,300, circulate and capture 55 bbls 14.0# to 15.0# kill mud in trip tanks and transfer to storage. Strip in hole from 10300 to 11330 base of curve, encounter tight hole, work pipe, wash and ream down to 11352, currently strip in hole, bleed off calculated displacement in trip tank, trip depth at time of report is 11825. Maintain 10.1 ppg mud wt while circulate. No downhole mud losses observed at this time.

02/10/21 **Report #14**

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

OUTSOURCE FLUID SOLUTIONS LLC.

88.4° **10,493' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**116 ft**	**15,812 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**58 ft/hr**	**Drilling Lateral**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**304 gpm**	**5,150 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±260K**	**<10 <15**	**<8**
				2/10/21		2/9/21
Time Sample Taken				3:00		13:00
Sample Location				suction		suction
Flowline Temperature °F				85 °F		
Depth (ft)				15,731'		15,696'
Mud Weight (ppg)				10.1		10.1
Funnel Vis (sec/qt)			@ 70 °F	52		48
600 rpm				30		32
300 rpm				19		21
200 rpm				16		16
100 rpm				12		12
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	11		11
Yield Point (lb/100 ft²)			T0 = 4	8		10
Gel Strength (lb/100 ft²)			10 sec/10 min	5/11		6/10
Gel Strength (lb/100 ft^2)			30 min	14		12
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.4
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				14%		14%
Corrected Solids (vol%)				12.3%		12.3%
Retort Oil Content				66%		66%
Retort Water Content				20%		20%
O/W Ratio				77:23		77:23
Whole Mud Chlorides (mg/L)				43,000		44,500
Water Phase Salinity (ppm)				252,134		258,654
Whole Mud Alkalinity, Pom				1.6		1.6
Excess Lime (lb/bbl)				2.1 ppb		2.1 ppb
Electrical Stability (volts)				581 v		605 v
Average Specific Gravity of Solids				3.21		3.17
Percent Low Gravity Solids				6.2%		6.5%
ppb Low Gravity Solids				51 ppb		54 ppb
Percent Barite				6.1%		5.7%
ppb Barite				87 ppb		82 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M Washburb

MUD VOLUME (BBL)

In Pits	835 bbl
In Hole	633 bbl
Active	1468 bbl
Storage	2237 bbl
Tot. on Location	3705 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	58
gal/min	152

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	58
gal/min	152

RISER BOOSTER

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

PHHP = 914 **CIRCULATION DATA** n = 0.659 K = 159.065

Bit Depth = 15,812 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.						
89.1 bbl	Volume to Bit	223.6 bbl	Strokes To Bit	3,580	Time To Bit	31 min
	Bottoms Up Vol.	409.1 bbl	BottomsUp Stks	6,550	BottomsUp Time	56 min
	TotalCirc.Vol.	1467.7 bbl	TotalCirc.Stks	23,497	Total Circ. Time	203 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	15,679'	0'
Dir. BHA	5.750	2.250	133'	15,679'
				15,812'
				15,812'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	0'
Int. Csg.	7 5/8	6.875	10,294'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	15,812'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	276.1	turb	10.78
6.818x4.5	15,679'	284.3	turb	11.12
6.818x5.75	15,812'	555.7	turb	11.24

BIT DATA Manuf./Type CF 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,696 ft	2.0	116 ft	58.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	24.0
Shaker 2	170	24.0
Shaker 3	170	24.0
NOV Drying Shakers	140	24.0
Centrifuge 1	NOV	3.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3717.6
Transferred In(+)/Out(-)	
Oil Added (+)	70.9
Barite Added (+)	0.0
Other Product Usage (+)	1.1
Water Added (+)	
Left on Cuttings (-)	-5.2
Evap/ Pits/ Cent	-20.0
Non-Recoverable Vol. (-)	-59.6
Est. Total on Location	3704.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
2.03	408 psi	10	10	10
Bit Impact Force	Nozzle Velocity (ft/sec)	10	10	10
339 lbs	212			

Motor/MWD	Calc. Circ. Pressure
1,500 psi	3,339 psi

Remarks/Recommendations:

OBM RECEIVED: 3515bbls Rec. 206bbls/ 16.0ppg

OBM ON SURFACE__ 3072bbls (Storage + Active)

OBM LOSS__Daily (-80bbl)__Total (-155bbl)

MWD Temp: 235 Deg.

Rig Activity:

In the past 24hrs: Stage in the hole 7200' / 10300' / 11330'. Circulate BU each depth, capture Heavy mud from well in the trip tanks. F/11300' tight hole conditions indicated the need to Pump and Ream to bottom. Wash & Ream to bottom, working through tight spots. Maintain MW at 10.1ppg and increase Viscocity up to 50+ sec/qt as requested by Directional Team. Resume Drilling operations @02:00hrs. Gradually decrease MW to 10ppg. At the time of report: Continue drilling ahead with 306gpm pump rate. ROP=45-100ft/hr. passing 15830'. Pumping Hi-Vis sweeps as requested by Directional Team.

Eng. 1:	Mike Washburn	Eng. 2:	Adolfo Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	956-821-9994	Phone:	432-686-7361	Phone:	-	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

Daily Total	Cumulative Cost
$4,542.28	**$107,486.55**
INCLUDING 3RD PARTY CHARGES	**$9,962.24**	**$231,285.57**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/10/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	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	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	400		400			150	$2,100.00
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	100		100			551	$7,890.32
LIME (50)	50# sk	$5.00	140		140			366	$1,830.00
OPTI - G	50# sk	$30.59	120		120			200	$6,118.00
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	53		53			24	$1,425.60
BENTONE 990 (50)	50# sk	$83.59	42		34	8	$668.72	58	$4,848.22
OPTI - MUL	gal	$10.75	220		220			385	$4,138.75
OPTI - WET	gal	$8.34	275		275			220	$1,834.80
NEW PHALT	50# sk	$38.72	150		150			110	$4,259.20
OIL SORB (25)	25# sk	$4.75						40	$190.00
BENTONE 42 (50)	50# sk	$327.26	62		56	6	$1,963.56	24	$7,854.24
NewCarb UltiMix	50# sk	$6.35	20		20			60	$381.00
NEW CARB (M)	50# sk	$5.25	82		82			65	$341.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	115		115			63	$1,767.15
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
GRAPHITE - FINE (50)	50# sk	$24.14	52		52			17	$410.38
POLYBEADS FINE (50)	50# sk	$311.38							
POLYBEADS FINE (50)	50# sk	$160.00	80		80			80	$12,800.00
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	900		900			1876	$13,132.00
OPTI DRILL (OBM)	bbl	$65.00	3084		3084				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		162		162			333	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	26	$24,050.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	26	$780.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65						2043	$5,413.84
TRUCKING (min)	each	$650.00						4	$2,600.00
PALLETS (ea)	each	$12.00						40	$480.00
SHRINK WRAP (ea)	each	$12.00						38	$456.00
		Daily Sub-Total $4,542.28			**Cumulative Total $107,486.55**			**$107,486.55**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/10/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	Report #14

Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
			DAILY USAGE & COST					CUMULATIVE	
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	250		250			90	$3,757.50
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
POLYBEADS FINE (50)	50# sk	$95.00	200		200				
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74						7000	$12,180.00
OBM_D 2/1/21	gal	$1.75						7000	$12,250.00
Diesel Delivery 2/3/21	gal	$1.82						7207	$13,116.74
Diesel Delivery 2/5/21	gal	$1.82	6928		3950	2978	$5,419.96	3255	$5,924.10
Diesel Delivery 2/8/21	gal	$1.87	7200		7200				

Daily Sub-Total $5,419.96

$123,799.02

Cumulative Total AES & 3rd Party $231,285.57

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4									
Grand Totals	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812								
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812									
12,918	Footage Drilled	3,749	3,660	12	-	460	2,838	1,348	181	-	544	10	116	-	-	-	-	-	-	-	-	-
947	New Hole Vol.	356	347	1	-	20	126	60	8	-	24	0	5	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,705	3,705	3,705	3,705	3,705	3,705	3,705	3,705
123	Chemical Additions	28	20			17	13	18	3	-	23	-	1									
1,643	Base Fluid Added	469	438	18	189	23	90	139	58	24	103	22	71									
131	Barite Increase			7			-	-	69	-	41	14	-									
573	Weighted Mud Added				367		-	-	-	206	-	-	-									
-	Slurry Added						-	-	-	-	-	-	-									
460	Water Added	60	81			39	60	100	40	20	50	10	-									
18	Added for Washout		18				-	-	-	-	-	-	-									
2,947	Total Additions	557	557	25	556	79	163	258	170	250	217	46	72	-	-	-	-	-	-	-	-	-
456	Surface Losses	8	56	40		13	25	150	23	-	122	4	15									
338	Formation Loss		87	80	72		-	-	-	-	100	-	-									
752	Mud Loss to Cuttings	213	290			22	128	61	8	-	25	1	5									
326	Unrecoverable Volume				25		-	56	50	136		-	60									
311	Centrifuge Losses		9		84	3	30	50	30	50	50	-	5									
2,183	Total Losses	221	442	120	181	38	183	317	111	186	297	5	85	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,705	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,705	3,705	3,705	3,705	3,705	3,705	3,705	3,705	3,705
-	Mud Recovered																					

3,515

Comments:		Comments:		Comments:	
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	Drilled to 15142' POOH to change out BHA.	2/13/21	
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21	Pick up new BHA, TIH, circulate kill mud. Reach bottom and resume drilling.	2/14/21	
2/1/21	Running casing at 9582'MD.	2/8/21	Drilling ahead, Pump 10bbls Polymer Beads every 15min, while sliding, Seepage noted, start LCM sweeps while rotating,	2/15/21	
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21	Drilled to 15696'. Start POOH. Spot 116bbls of 16ppg OBM at 11,500'. Lay down ProDirectional and pick up Schlumberger.	2/16/21	
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21	TIH, Wash and Ream from 11330' to bottom. Tight Hole conditions. Cut MW down to 10.+ppg.	2/17/21	
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21		2/18/21	
2/5/21	Drilling ahead. Perform Wiper trip 10 stands. Back to bottom and resume drilling.	2/12/21		2/19/21	

2/10/2021 **Report 14 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

94.5° **10,431' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**840 ft**	**16,536 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**99 ft/hr**	**DRILLING**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**289 gpm**	**4,650 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±260K**	**<10 <15**	**<8**

MUD PROPERTIES

Time Sample Taken	3:00		13:30
Sample Location	suction		suction
Flowline Temperature °F	85 °F		84 °F
Depth (ft)	15,731'		16,536'
Mud Weight (ppg)	10.1		10.1
Funnel Vis (sec/qt) @ 63 °F	52		54
600 rpm	30		36
300 rpm	19		23
200 rpm	16		18
100 rpm	12		14
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	11		13
Yield Point (lb/100 ft²) T0 = 4	8		10
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/11		5/9
Gel Strength (lb/100 ft2) 30 min	14		11
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	14%		14%
Corrected Solids (vol%)	12.3%		12.3%
Retort Oil Content	66%		66%
Retort Water Content	20%		20%
O/W Ratio	77:23		77:23
Whole Mud Chlorides (mg/L)	43,000		44,000
Water Phase Salinity (ppm)	252,134		256,494
Whole Mud Alkalinity, Pom	1.6		2.0
Excess Lime (lb/bbl)	2.1 ppb		2.6 ppb
Electrical Stability (volts)	581 v		603 v
Average Specific Gravity of Solids	3.21		3.17
Percent Low Gravity Solids	6.2%		6.6%
ppb Low Gravity Solids	51 ppb		54 ppb
Percent Barite	6.1%		5.7%
ppb Barite	87 ppb		82 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M WashburN

MUD VOLUME (BBL)

In Pits	835 bbl
In Hole	661 bbl
Active	1496 bbl
Storage	2237 bbl
Tot. on Location	3733 bbl

PUMP #1		**PUMP #2**		**RISER BOOSTER**
Liner Size	4.75	Liner Size	4.75	Liner Size
Stroke	12	Stroke	12	Stroke
bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk
stk/min	56	stk/min	54	stk/min
gal/min	147	gal/min	142	gal/min

Mud Wt. = 10.1 PV=11 YP=8 **CIRCULATION DATA** n = 0.659 K = 159.1

Bit Depth = 16,536 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
93.0 bbl	Volume to Bit	233.9 bbl	Strokes To Bit	3,745	Time To Bit	34 min
	Bottoms Up Vol.	427.6 bbl	BottomsUp Stks	6,845	BottomsUp Time	62 min
	TotalCirc.Vol.	1496.5 bbl	TotalCirc.Stks	23,957	Total Circ. Time	218 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	16,403'	
Dir. BHA	5.750	2.250	133'	16,403'
				16,536'
				16,536'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	
Int. Csg.	7 5/8	6.875	10,294'	
Washout 1				
Washout 2				
Open Hole Size	6.818		16,536'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	261.8	turb	10.77
6.818x4.5	16,403'	269.6	turb	11.17
6.818x5.75	16,536'	527.0	turb	11.34

BIT DATA Manuf./Type CF 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,696 ft	2.0	116 ft	58.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
NOV Drying Shakers	140	
Centrifuge 1	NOV	

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3704.7
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	-37.9
Evap/ Pits/ Cent	
Non-Recoverable Vol. (-)	
Est. Total on Location	3666.8
Est. Losses/Gains (-)/(+)	66.7

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.73	367 psi	10	10	10
Bit Impact Force	Nozzle Velocity (ft/sec)	10	10	10
305 lbs	201			

Motor/MWD	Calc. Circ. Pressure
1,500 psi	3,227 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drilling 6-3/4" lateral hole section with Schlumberger rotary steerable tool. Average ROP 100 FPH / TQ 16-20k, samples are uniformly consistant fine, coffee ground sized Austin Chalk. Pumping low visc / high visc sweep sequence when requested by directional team and 10 bbls hi-visc sweep every 300 ft (no LCM in sweeps). Maintaining elevated viscosity and flow properies with additions of hectorite (Bentone 42) and attapulgite (Bentone 990) to diminish the effects of tool vibration. No downhole mud losses observed since AM report.

02/11/21 **Report #15**

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

OUTSOURCE FLUID SOLUTIONS LLC.

92.1° **10,401' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**1,518 ft**	**17,330 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**76 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**299 gpm**	**4,248 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**
				2/11/21		2/10/21
Time Sample Taken				3:00		13:30
Sample Location				suction		suction
Flowline Temperature °F				90 °F		84 °F
Depth (ft)				17,330'		16,536'
Mud Weight (ppg)				10.0		10.1
Funnel Vis (sec/qt)			@ 55 °F	53		54
600 rpm				32		36
300 rpm				20		23
200 rpm				15		18
100 rpm				10		14
6 rpm				6		6
3 rpm				4		5
Plastic Viscosity (cp)			@ 150 °F	12		13
Yield Point (lb/100 ft²)			T0 = 2	8		10
Gel Strength (lb/100 ft²)			10 sec/10 min	5/14		5/9
Gel Strength (lb/100 ft^2)			30 min	18		11
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				13%		14%
Corrected Solids (vol%)				11.3%		12.3%
Retort Oil Content				66%		66%
Retort Water Content				21%		20%
O/W Ratio				76:24		77:23
Whole Mud Chlorides (mg/L)				44,000		44,000
Water Phase Salinity (ppm)				247,300		256,494
Whole Mud Alkalinity, Pom				1.5		2.0
Excess Lime (lb/bbl)				2 ppb		2.6 ppb
Electrical Stability (volts)				545 v		603 v
Average Specific Gravity of Solids				3.30		3.17
Percent Low Gravity Solids				5.2%		6.6%
ppb Low Gravity Solids				42 ppb		54 ppb
Percent Barite				6.1%		5.7%
ppb Barite				87 ppb		82 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M WashburN

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	816 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
In Hole	693 bbl	Stroke	12	Stroke	12	Stroke	
Active	1509 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Storage	2342 bbl	stk/min	57	stk/min	57	stk/min	
Tot. on Location	3851 bbl	gal/min	150	gal/min	150	gal/min	0

CIRCULATION DATA							
PHHP = 741						n = 0.678	K = 148.626
Bit Depth = 17,330 '			Washout = 1%			Pump Efficiency = 95%	
Drill String Disp.	Volume to Bit	245.2 bbl	Strokes To Bit	3,925		Time To Bit	34 min
	Bottoms Up Vol.	447.8 bbl	BottomsUp Stks	7,169		BottomsUp Time	63 min
97.4 bbl	TotalCirc.Vol.	1509.0 bbl	TotalCirc.Stks	24,157		Total Circ. Time	212 min

DRILLING ASSEMBLY DATA				
Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	17,197'	0'
Dir. BHA	5.750	2.250	133'	17,197'
				17,330'
				17,330'

CASING & HOLE DATA				
Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	0'
Int. Csg.	7 5/8	6.875	10,294'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	17,330'	

ANNULAR GEOMETRY & RHEOLOGY				
annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	271.3	turb	10.69
6.818x4.5	17,197'	279.4	turb	11.14
6.818x5.75	17,330'	546.1	turb	11.28

BIT DATA						
	Manuf./Type		CF 613			
Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	15,696 ft	22.0	1,634 ft	74.3	1,500 psi	3,425 psi

SOLIDS CONTROL		
Unit	Screens	Hours
Shaker 1	170	24.0
Shaker 2	170	24.0
Shaker 3	170	24.0
NOV Drying Shakers	140	24.0
Centrifuge 1	NOV	2.0

VOLUME ACCOUNTING (bbls)	
Prev. Total on Location	3704.7
Transferred In(+)/Out(-)	
Oil Added (+)	141.1
Barite Added (+)	10.4
Other Product Usage (+)	13.8
Water Added (+)	75.0
Left on Cuttings (-)	-68.5
Evap/ Pits/ Cent	-25.6
Est. Total on Location	3851.0
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA					
Bit H.S.I.	Bit ΔP	Nozzles (32nds)			
1.90	391 psi	10	10	10	
Bit Impact Force	Nozzle Velocity (ft/sec)	10	10	10	
324 lbs	209				

Remarks/Recommendations:

OBM RECEIVED: 3515bbls Rec. 206bbls/ 16.0ppg

OBM ON SURFACE__ 3158bbls (Storage + Active)

OBM LOSS__Daily (-0bbl)__Total (-155bbl)

MWD Temp: 302 Deg.

Rig Activity:

In the past 24hrs: Drilling ahead on 6.75" hole with Schlumberger Rotary Steerable tools. Maintain ROP @100ft/hr, when performing Downlink drop ROP to 24ft/hr. Maintain 10ppg MW with Vis of 50+ sec/qt as requested by Directional Team. Pumping Low Vis / Hi-Vis sweeps 10bbls/ea every 300' or as requested. Formation samples show 100% Chalk. Pump rate while drilling 290-300gpm / 90rpm / 25klbs WOB. No Down hole losses noted, No LCM been pumped at this time. Maintain Diesel and water additions with respective chemicals to maintain dilution and porperties. At the time of report: Continue drilling ahead with 300gpm pump rate. Passing 17,340'.

Eng. 1:	Mike Washburn	Eng. 2:	Adolfo Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	956-821-9994	Phone:	432-686-7361	Phone:	-	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$9,648.33	**$117,134.88**
INCLUDING 3RD PARTY CHARGES	**$20,532.45**	**$251,818.02**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/11/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	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	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	400		400			150	$2,100.00
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	100		56	44	$630.08	595	$8,520.40
LIME (50)	50# sk	$5.00	140		100	40	$200.00	406	$2,030.00
OPTI - G	50# sk	$30.59	120		100	20	$611.80	220	$6,729.80
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	53		53			24	$1,425.60
BENTONE 990 (50)	50# sk	$83.59	34		25	9	$752.31	67	$5,600.53
OPTI - MUL	gal	$10.75	220		220			385	$4,138.75
OPTI - WET	gal	$8.34	275		275			220	$1,834.80
NEW PHALT	50# sk	$38.72	150		110	40	$1,548.80	150	$5,808.00
OIL SORB (25)	25# sk	$4.75						40	$190.00
BENTONE 42 (50)	50# sk	$327.26	56		47	9	$2,945.34	33	$10,799.58
NewCarb UltiMix	50# sk	$6.35	20		20			60	$381.00
NEW CARB (M)	50# sk	$5.25	82		82			65	$341.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	115		115			63	$1,767.15
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
GRAPHITE - FINE (50)	50# sk	$24.14	52		52			17	$410.38
POLYBEADS FINE (50)	50# sk	$311.38							
POLYBEADS FINE (50)	50# sk	$160.00	80		80			80	$12,800.00
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	900		750	150	$1,050.00	2026	$14,182.00
OPTI DRILL (OBM)	bbl	$65.00	3084		3084				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		162		162			333	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	28	$25,900.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	28	$840.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65						2043	$5,413.84
TRUCKING (min)	each	$650.00						4	$2,600.00
PALLETS (ea)	each	$12.00						40	$480.00
SHRINK WRAP (ea)	each	$12.00						38	$456.00
		Daily Sub-Total $9,648.33			**Cumulative Total $117,134.88**			**$117,134.88**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/11/21	**MAGNOLIA OIL & GAS**	**SABINE B 2-H**	**248**	**Report #15**

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	250		250			90	$3,757.50
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
POLYBEADS FINE (50)	50# sk	$95.00	200		200				
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74						7000	$12,180.00
OBM_D 2/1/21	gal	$1.75						7000	$12,250.00
Diesel Delivery 2/3/21	gal	$1.82						7207	$13,116.74
Diesel Delivery 2/5/21	gal	$1.82	3950			3950	$7,189.00	7205	$13,113.10
Diesel Delivery 2/8/21	gal	$1.87	7200		5224	1976	$3,695.12	1976	$3,695.12
Diesel Delivery 2/10/21	gal	$1.91		7000	7000				
						Daily Sub-Total	$10,884.12		$134,683.14

Cumulative Total AES & 3rd Party $251,818.02

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4								
Grand Totals	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812	17,330							
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812	17,330								
14,436	Footage Drilled	3,749	3,660	12	-	460	2,838	1,348	181	-	544	10	116	1,518	-	-	-	-	-	-	-	-
1,014	New Hole Vol.	356	347	1	-	20	126	60	8	-	24	0	5	67	-	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,851	3,851	3,851	3,851	3,851	3,851	3,851	3,851
136	Chemical Additions	28	20			17	13	18	3	-	23	-	1	13								
1,784	Base Fluid Added	469	438	18	189	23	90	139	58	24	103	22	71	141								
141	Barite Increase			7			-	-	69	-	41	14	-	10								
573	Weighted Mud Added				367		-	-	-	206	-	-	-	-								
-	Slurry Added						-	-	-	-	-	-	-	-								
535	Water Added	60	81			39	60	100	40	20	50	10	-	75								
18	Added for Washout		18				-	-	-	-	-	-	-	-								
3,186	Total Additions	557	557	25	556	79	163	258	170	250	217	46	72	240	-	-	-	-	-	-	-	-
456	Surface Losses	8	56	40		13	25	150	23	-	122	4	15	-								
338	Formation Loss		87	80	72		-	-	-	-	100	-	-	-								
821	Mud Loss to Cuttings	213	290			22	128	61	8	-	25	1	5	69								
326	Unrecoverable Volume				25		-	56	50	136		-	60	-								
337	Centrifuge Losses		9		84	3	30	50	30	50	50	-	5	26								
2,277	Total Losses	221	442	120	181	38	183	317	111	186	297	5	85	94	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,851	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,851	3,851	3,851	3,851	3,851	3,851	3,851	3,851	3,851
-	Mud Recovered																					

3,515

Comments:		Comments:		Comments:	
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	Drilled to 15142' POOH to change out BHA.	2/13/21	
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21	Pick up new BHA, TIH, circulate kill mud. Reach bottom and resume drilling.	2/14/21	
2/1/21	Running casing at 9582'MD.	2/8/21	Drilling ahead, Pump 10bbls Polymer Beads every 15min, while sliding, Seepage noted, start LCM sweeps while rotating,	2/15/21	
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21	Drilled to 15696'. Start POOH. Spot 116bbls of 16ppg OBM at 11,500'. Lay down ProDirectional and pick up Schlumberger.	2/16/21	
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21	TIH, Wash and Ream from 11330' to bottom. Tight Hole conditions. Cut MW down to 10.+ppg.	2/17/21	
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21	Continue Drilling ahead on lateral section. Pump LowVis / HiVis sweeps (10bbls) every 300'. Down link as needed to maintain direction. MW 10ppg with 53Vis.	2/18/21	
2/5/21	Drilling ahead. Perform Wiper trip 10 stands. Back to bottom and resume drilling.	2/12/21		2/19/21	

2/11/2021 **Report 15 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

91.8° **10,389' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**17,619 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**100 ft/hr**	**DRILLING**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**291 gpm**	**4,350 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**

MUD PROPERTIES				
Time Sample Taken	3:00		13:30	
Sample Location	suction		shaker	
Flowline Temperature °F	90 °F		91 °F	
Depth (ft)	17,330'		17,619'	
Mud Weight (ppg)	10.0		10.0	
Funnel Vis (sec/qt) @ 55 °F	53		54	
600 rpm	32		40	
300 rpm	20		25	
200 rpm	15		18	
100 rpm	10		11	
6 rpm	6		6	
3 rpm	4		5	
Plastic Viscosity (cp) @ 150 °F	12		15	
Yield Point (lb/100 ft²) T0 = 2	8		10	
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/14		5/9	
Gel Strength (lb/100 ft2) 30 min	18		13	
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0	
HTHP Cake Thickness (32nds)	2.0		2.0	
Retort Solids Content	13%		14%	
Corrected Solids (vol%)	11.3%		12.2%	
Retort Oil Content	66%		64%	
Retort Water Content	21%		22%	
O/W Ratio	76:24		74:26	
Whole Mud Chlorides (mg/L)	44,000		46,000	
Water Phase Salinity (ppm)	247,300		246,915	
Whole Mud Alkalinity, Pom	1.5		2.0	
Excess Lime (lb/bbl)	2 ppb		2.6 ppb	
Electrical Stability (volts)	545 v		455 v	
Average Specific Gravity of Solids	3.30		3.03	
Percent Low Gravity Solids	5.2%		7.5%	
ppb Low Gravity Solids	42 ppb		61 ppb	
Percent Barite	6.1%		4.8%	
ppb Barite	87 ppb		68 ppb	
Estimated Total LCM in System				
Sample Taken By	A. ROMAN		M WashburN	

MUD VOLUME (BBL)

In Pits	816 bbl
In Hole	704 bbl
Active	1520 bbl
Storage	2342 bbl
Tot. on Location	3862 bbl

PUMP #1		PUMP #2		RISER BOOSTER
Liner Size	4.75	Liner Size	4.75	Liner Size
Stroke	12	Stroke	12	Stroke
bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk
stk/min	56	stk/min	55	stk/min
gal/min	147	gal/min	144	gal/min

Mud Wt. = 10.0 PV=12 YP=8 **CIRCULATION DATA** n = 0.678 K = 148.6

Bit Depth = 17,619 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
98.9 bbl	Volume to Bit	249.3 bbl	Strokes To Bit	3,991	Time To Bit	36 min
	Bottoms Up Vol.	455.2 bbl	BottomsUp Stks	7,287	BottomsUp Time	66 min
	TotalCirc.Vol.	1520.5 bbl	TotalCirc.Stks	24,341	Total Circ. Time	219 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	17,486'	
Dir. BHA	5.750	2.250	133'	17,486'
				17,619'
				17,619'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	
Int. Csg.	7 5/8	6.875	10,294'	
Washout 1				
Washout 2				
Open Hole Size	6.818		17,619'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	264.2	turb	10.69
6.818x4.5	17,486'	272.1	turb	11.17
6.818x5.75	17,619'	531.8	turb	11.33

BIT DATA Manuf./Type CF 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,696 ft	22.0	1,634 ft	74.3

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
NOV Drying Shakers	140	

Centrifuge 1 NOV

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3851.0
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Pits/ Cent	
Est. Total on Location	3851.0
Est. Losses/Gains (-)/(+)	11.5

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.76	370 psi	10	10	10
Bit Impact Force	Nozzle Velocity (ft/sec)	10	10	10
307 lbs	203			

Motor/MWD 1,500 psi | Calc. Circ. Pressure 3,358 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drill 6-3/4" hole section to 17350, Gamma signal failed to downlink, continue control drilling at 100 FPH, catching samples every 25' to confirm if still drilling in Austin Chalk. Circulate B/U every 200' for re evaluation. Maintain mud wt at 10.0 Pump low visc / hi visc sweep sequence as requested by directional team. Adding diesel and water for OWR maintenance and chemicals to maintain mud properties. Restocking location with mud additives, barite and diesel in preparation for expected ice storm.

02/12/21 **Report #16**

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

OUTSOURCE FLUID SOLUTIONS LLC.

99.5° **10,361' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**566 ft**	**17,896 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**31 ft/hr**	**Cir. Clean up**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**294 gpm**	**4,613 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**
				2/12/21		2/11/21
Time Sample Taken				3:00		13:30
Sample Location				suction		shaker
Flowline Temperature °F				90 °F		91 °F
Depth (ft)				17,896'		17,619'
Mud Weight (ppg)				10.0		10.0
Funnel Vis (sec/qt)			@ 50 °F	54		54
600 rpm				33		40
300 rpm				21		25
200 rpm				15		18
100 rpm				10		11
6 rpm				6		6
3 rpm				4		5
Plastic Viscosity (cp)			@ 150 °F	12		15
Yield Point (lb/100 ft²)			T0 = 2	9		10
Gel Strength (lb/100 ft²)			10 sec/10 min	6/11		5/9
Gel Strength (lb/100 ft^2)			30 min	15		13
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				14%		14%
Corrected Solids (vol%)				12.3%		12.2%
Retort Oil Content				65%		64%
Retort Water Content				21%		22%
O/W Ratio				76:24		74:26
Whole Mud Chlorides (mg/L)				44,000		46,000
Water Phase Salinity (ppm)				247,300		246,915
Whole Mud Alkalinity, Pom				2.0		2.0
Excess Lime (lb/bbl)				2.6 ppb		2.6 ppb
Electrical Stability (volts)				555 v		455 v
Average Specific Gravity of Solids				3.10		3.03
Percent Low Gravity Solids				7%		7.5%
ppb Low Gravity Solids				58 ppb		61 ppb
Percent Barite				5.2%		4.8%
ppb Barite				75 ppb		68 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M WashburN

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	780 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
In Hole	715 bbl	Stroke	12	Stroke	12	Stroke	
Active	1495 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Storage	2342 bbl	stk/min	56	stk/min	56	stk/min	
Tot. on Location	3837 bbl	gal/min	147	gal/min	147	gal/min	0

PHHP = 791 **CIRCULATION DATA** n = 0.652 K = 183.523

Bit Depth = 17,896 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.					
100.4 bbl	Volume to Bit	253.2 bbl	Strokes To Bit	4,054	Time To Bit 36 min
	Bottoms Up Vol.	462.2 bbl	BottomsUp Stks	7,400	BottomsUp Time 66 min
	TotalCirc.Vol.	1495.5 bbl	TotalCirc.Stks	23,941	Total Circ. Time 214 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	17,763'	0'
Dir. BHA	5.750	2.250	133'	17,763'
				17,896'
				17,896'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	0'
Int. Csg.	7 5/8	6.875	10,294'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	17,896'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	266.6	turb	10.63
6.818x4.5	17,763'	274.5	turb	11.06
6.818x5.75	17,896'	536.6	turb	11.15

BIT DATA Manuf./Type CF 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,696 ft	40.0	2,200 ft	55.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	24.0
Shaker 2	170	24.0
Shaker 3	170	24.0
NOV Drying Shakers	140	24.0
Centrifuge 1	NOV	2.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3851.0
Transferred In(+)/Out(-)	
Oil Added (+)	41.9
Barite Added (+)	11.3
Other Product Usage (+)	17.7
Water Added (+)	20.0
Left on Cuttings (-)	-25.6
Evap/ Pits/ Cent	-50.0
Non-Recoverable Vol. (-)	-29.0
Est. Total on Location	3837.5
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.81	377 psi	10	10	10
Bit Impact Force	Nozzle Velocity (ft/sec)	10	10	10
313 lbs	205			

Motor/MWD	Calc. Circ. Pressure
1,500 psi	3,411 psi

Remarks/Recommendations:

OBM RECEIVED: 3515bbls Rec. 206bbls/ 16.0ppg

OBM ON SURFACE__ 3158bbls (Storage + Active)

OBM LOSS__Daily (-0bbl)__Total (-155bbl)

MWD Temp: 295 Deg.

Rig Activity:

In the past 24hrs: Drilling ahead on 6.75" hole with Schlumberger Rotary Steerable tools. Gamma sensor not working, continue drilling ahead monitor formation samples every 25' drilled. Reduce and Maintain ROP @50ft/hr while drilling, when performing Downlink drop ROP to 0ft/hr. Maintain 10ppg MW with Vis of 54-56 sec/qt as requested by Directional Team. Pumping Low Vis / Hi-Vis sweeps 10bbls/ea every 300' or as requested. Formation samples steady showing 100% Chalk, sample @17896' 50%Chalk/50%ASH. Decision to call TD 17,896'. Pump rate while drilling 290-300gpm / 80rpm / 15-20klbs WOB. No Down hole losses noted at this time. Pump Hi-Vis Sweep and circulate clean up cycle. At the time of report: Circulate Clean up @ 300gpm pump rate. Prepare to Wash and Ream out.

Eng. 1:	Mike Washburn	Eng. 2:	Adolfo Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	956-821-9994	Phone:	432-686-7361	Phone:	-	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$14,430.40	**$131,565.28**
INCLUDING 3RD PARTY CHARGES	**$17,620.62**	**$269,438.64**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/12/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	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	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	400		400			150	$2,100.00
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	56	336	336	56	$801.92	651	$9,322.32
LIME (50)	50# sk	$5.00	100	200	200	100	$500.00	506	$2,530.00
OPTI - G	50# sk	$30.59	100	80	160	20	$611.80	240	$7,341.60
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	53		50	3	$178.20	27	$1,603.80
BENTONE 990 (50)	50# sk	$83.59	25		15	10	$835.90	77	$6,436.43
OPTI - MUL	gal	$10.75	220	220	440			385	$4,138.75
OPTI - WET	gal	$8.34	275	275	495	55	$458.70	275	$2,293.50
NEW PHALT	50# sk	$38.72	110	80	160	30	$1,161.60	180	$6,969.60
OIL SORB (25)	25# sk	$4.75						40	$190.00
BENTONE 42 (50)	50# sk	$327.26	47		37	10	$3,272.60	43	$14,072.18
NewCarb UltiMix	50# sk	$6.35	20		20			60	$381.00
NEW CARB (M)	50# sk	$5.25	82		82			65	$341.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	115		115			63	$1,767.15
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
GRAPHITE - FINE (50)	50# sk	$24.14	52		52			17	$410.38
POLYBEADS FINE (50)	50# sk	$311.38							
POLYBEADS FINE (50)	50# sk	$160.00	80		80			80	$12,800.00
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	750	813	1400	163	$1,141.00	2189	$15,323.00
OPTI DRILL (OBM)	bbl	$65.00	3084		3084				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		162		162			333	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	30	$27,750.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	30	$900.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65				1207	$3,198.68	3250	$8,612.53
TRUCKING (min)	each	$650.00						4	$2,600.00
PALLETS (ea)	each	$12.00				15	$180.00	55	$660.00
SHRINK WRAP (ea)	each	$12.00				15	$180.00	53	$636.00
		Daily Sub-Total $14,430.40			**Cumulative Total $131,565.28**			**$131,565.29**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/12/21	**MAGNOLIA OIL & GAS**	**SABINE B 2-H**	**248**	**Report #16**

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	250		250			90	$3,757.50
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
POLYBEADS FINE (50)	50# sk	$95.00	200		200				
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74						7000	$12,180.00
OBM_D 2/1/21	gal	$1.75						7000	$12,250.00
Diesel Delivery 2/3/21	gal	$1.82						7207	$13,116.74
Diesel Delivery 2/5/21	gal	$1.82						7205	$13,113.10
Diesel Delivery 2/8/21	gal	$1.87	5224		3518	1706	$3,190.22	3682	$6,885.34
Diesel Delivery 2/10/21	gal	$1.91	7000		7000				
						Daily Sub-Total	$3,190.22		$137,873.36

Cumulative Total AES & 3rd Party $269,438.65

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4							
	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812	17,330	17,896						
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812	17,330	17,896							
15,002	Footage Drilled	3,749	3,660	12	-	460	2,838	1,348	181	-	544	10	116	1,518	566	-	-	-	-	-	-	-
1,039	New Hole Vol.	356	347	1	-	20	126	60	8	-	24	0	5	67	25	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,851	3,837	3,837	3,837	3,837	3,837	3,837	3,837
154	Chemical Additions	28	20			17	13	18	3	-	23	-	1	13	18							
1,826	Base Fluid Added	469	438	18	189	23	90	139	58	24	103	22	71	141	42							
152	Barite Increase			7			-	-	69	-	41	14	-	10	11							
573	Weighted Mud Added				367		-	-	-	206	-	-	-	-	-							
-	Slurry Added						-	-	-	-	-	-	-	-	-							
555	Water Added	60	81			39	60	100	40	20	50	10	-	75	20							
18	Added for Washout		18				-	-	-	-	-	-	-	-	-							
3,277	Total Additions	557	557	25	556	79	163	258	170	250	217	46	72	240	91	-	-	-	-	-	-	-
456	Surface Losses	8	56	40		13	25	150	23	-	122	4	15	-								
338	Formation Loss		87	80	72		-	-	-	-	100	-	-	-	-							
846	Mud Loss to Cuttings	213	290			22	128	61	8	-	25	1	5	69	26							
355	Unrecoverable Volume				25		-	56	50	136		-	60	-	29							
387	Centrifuge Losses		9		84	3	30	50	30	50	50	-	5	26	50							
2,382	Total Losses	221	442	120	181	38	183	317	111	186	297	5	85	94	105	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,837	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,851	3,837	3,837	3,837	3,837	3,837	3,837	3,837	3,837
-	Mud Recovered																					

3,515

Comments:		Comments:		Comments:	
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	Drilled to 15142' POOH to change out BHA.	2/13/21	
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21	Pick up new BHA, TIH, circulate kill mud. Reach bottom and resume drilling.	2/14/21	
2/1/21	Running casing at 9582'MD.	2/8/21	Drilling ahead, Pump 10bbls Polymer Beads every 15min, while sliding, Seepage noted, start LCM sweeps while rotating,	2/15/21	
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21	Drilled to 15696'. Start POOH. Spot 116bbls of 16ppg OBM at 11,500'. Lay down ProDirectional and pick up Schlumberger.	2/16/21	
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21	TIH, Wash and Ream from 11330' to bottom. Tight Hole conditions. Cut MW down to 10.+ppg.	2/17/21	
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21	Continue Drilling ahead on lateral section. Pump LowVis / HiVis sweeps (10bbls) every 300'. Down link as needed to maintain direction. MW 10ppg with 53Vis.	2/18/21	
2/5/21	Drilling ahead. Perform Wiper trip 10 stands. Back to bottom and resume drilling.	2/12/21	Drilled to 17896', 50/50 (chalk-Ash) Called it TD. Circulate Clean up Cycle. Prepare to Wash & Ream out of the hole.	2/19/21	

2/12/2021 **Report 16 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

91.4° **10,531' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**17,896 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**		**Backream out of Hole**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**291 gpm**	

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**

MUD PROPERTIES

Time Sample Taken	3:00		13:30
Sample Location	suction		shaker
Flowline Temperature °F	90 °F		91 °F
Depth (ft)	17,896'		17,896'
Mud Weight (ppg)	10.0		10.0
Funnel Vis (sec/qt) @ 50 °F	54		52
600 rpm	33		35
300 rpm	21		22
200 rpm	15		18
100 rpm	10		11
6 rpm	6		5
3 rpm	4		4
Plastic Viscosity (cp) @ 150 °F	12		13
Yield Point (lb/100 ft²) T0 = 2	9		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/11		5/10
Gel Strength (lb/100 ft2) 30 min	15		13
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	14%		14%
Corrected Solids (vol%)	12.3%		12.3%
Retort Oil Content	65%		65%
Retort Water Content	21%		21%
O/W Ratio	76:24		76:24
Whole Mud Chlorides (mg/L)	44,000		45,000
Water Phase Salinity (ppm)	247,300		251,507
Whole Mud Alkalinity, Pom	2.0		2.0
Excess Lime (lb/bbl)	2.6 ppb		2.6 ppb
Electrical Stability (volts)	555 v		510 v
Average Specific Gravity of Solids	3.10		3.05
Percent Low Gravity Solids	7%		7.3%
ppb Low Gravity Solids	58 ppb		60 ppb
Percent Barite	5.2%		4.9%
ppb Barite	75 ppb		70 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M WashburN

MUD VOLUME (BBL)

In Pits	780 bbl
In Hole	735 bbl
Active	1356 bbl
Storage	2342 bbl
Tot. on Location	3857 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	55
gal/min	144

PUMP #2

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

RISER BOOSTER

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

Mud Wt. = 10.0 PV=12 YP=9 **CIRCULATION DATA** n = 0.652 K = 183.5

Bit Depth = 14,382 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
81.3 bbl	Volume to Bit	203.3 bbl	Strokes To Bit	3,254	Time To Bit	29 min
	Bottoms Up Vol.	372.7 bbl	BottomsUp Stks	5,966	BottomsUp Time	54 min
	TotalCirc.Vol.	1356.0 bbl	TotalCirc.Stks	21,707	Total Circ. Time	196 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	14,249'	
Dir. BHA	5.750	2.250	133'	14,249'
				14,382'
				14,382'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	
Int. Csg.	7 5/8	6.875	10,294'	
Washout 1				
Washout 2				
Open Hole Size	6.818		17,896'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,294'	264.2	turb	10.59
6.818x4.5	14,249'	272.1	turb	10.77
6.818x5.75	14,382'	531.8	turb	10.83

BIT DATA Manuf./Type CF 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,696 ft	40.0	2,200 ft	55.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
NOV Drying Shakers	140	

Centrifuge 1 NOV

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3837.5
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Pits/ Cent	
Non-Recoverable Vol. (-)	
Est. Total on Location	3837.5
Est. Losses/Gains (-)/(+)	19.2

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.76	370 psi	10	10	10
Bit Impact Force	Nozzle Velocity (ft/sec)	10	10	10
307 lbs	203			

Motor/MWD	Calc. Circ. Pressure
1,500 psi	3,100 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drill to TD at 17,896, pump 2 X 30 bbls Hi Visc sweeps and circulate until shale shakers were observed to be clean. Begin pumping and backreaming out of hole, pump 10 bbls Low Visc and 10 bbls Hi Visc sweeps every 500', and shut in well during connections. At the top of the curve 11,300' will pump and spot 100+ bbls 16.0# kill mud to relieve annular pressures. Trip depth at the time of report is 14382', no downhole mud losses observed since AM report.

02/13/21 **Report #17**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.4° **500' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**0 ft**	**17,896 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**0 ft/hr**	**Lay Down BHA**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**
				2/13/21		2/12/21
Time Sample Taken				3:00		13:30
Sample Location				suction		shaker
Flowline Temperature °F						91 °F
Depth (ft)				17,896'		17,896'
Mud Weight (ppg)				10.2		10.0
Funnel Vis (sec/qt)			@ 50 °F	61		52
600 rpm				34		35
300 rpm				22		22
200 rpm				16		18
100 rpm				12		11
6 rpm				6		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	12		13
Yield Point (lb/100 ft²)			T0 = 2	10		9
Gel Strength (lb/100 ft²)			10 sec/10 min	6/12		5/10
Gel Strength (lb/100 ft^2)			30 min	16		13
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				15%		14%
Corrected Solids (vol%)				13.3%		12.3%
Retort Oil Content				64%		65%
Retort Water Content				21%		21%
O/W Ratio				75:25		76:24
Whole Mud Chlorides (mg/L)				44,000		45,000
Water Phase Salinity (ppm)				247,300		251,507
Whole Mud Alkalinity, Pom				2.0		2.0
Excess Lime (lb/bbl)				2.6 ppb		2.6 ppb
Electrical Stability (volts)				521 v		510 v
Average Specific Gravity of Solids				3.07		3.05
Percent Low Gravity Solids				7.8%		7.3%
ppb Low Gravity Solids				64 ppb		60 ppb
Percent Barite				5.5%		4.9%
ppb Barite				78 ppb		70 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M WashburN

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	669 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
In Hole	810 bbl	Stroke	12	Stroke	12	Stroke	
Active	686 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Storage	2342 bbl	stk/min	0	stk/min	0	stk/min	
Tot. on Location	3821 bbl	gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA				
PHHP = 0				n = 0.628 K = 223.367
Bit Depth = 500 '		Washout = 1%		Pump Efficiency = 95%
Drill String Disp.	Volume to Bit 5.9 bbl	Strokes To Bit	Time To Bit	
	Bottoms Up Vol. 11.5 bbl	BottomsUp Stks	BottomsUp Time	
5.6 bbl	TotalCirc.Vol. 686.3 bbl	TotalCirc.Stks	Total Circ. Time	

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	367'	0'
Dir. BHA	5.750	2.250	133'	367'
				500'
				500'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	0'
Int. Csg.	7 5/8	6.875	10,294'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	17,896'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	367'	0.0	lam	10.20
6.875x5.75	500'	0.0	lam	10.20

BIT DATA Manuf./Type CF 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	15,696 ft	40.0	2,200 ft	55.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	24.0
Shaker 2	170	24.0
Shaker 3	170	24.0
NOV Drying Shakers	140	24.0

Centrifuge 1 NOV

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3837.5
Transferred In(+)/Out(-)	
Oil Added (+)	12.3
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Evap/ Pits/ Cent	-28.5
Non-Recoverable Vol. (-)	
Est. Total on Location	3821.3
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.00	psi	10	10	10
Bit Impact Force	Nozzle Velocity (ft/sec)	10	10	10
0 lbs	0			

Motor/MWD	Calc. Circ. Pressure
1,500 psi	

Remarks/Recommendations:

OBM RECEIVED: 3515bbls Rec. 206bbls/ 16.0ppg

OBM ON SURFACE__ 3158bbls (Storage + Active)

OBM LOSS__Daily (-0bbl)__Total (-155bbl)

MWD Temp: --- Deg.

Rig Activity:

In the past 24hrs: We Circulated hole clean and start wash and ream out of the hole. At 11300' circulated BU. Continue POOH to the shoe. At the shoe circulated BU and Spot 110bbls of 16ppg kill mud outside the bit, Pull out of the Kill pill and pump slug. POOH conventional way to the BHA. At the time of report: Lay down BHA prepare to rig up casing running tools.

Eng. 1:	Mike Washburn	Eng. 2:	Adolfo Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	956-821-9994	Phone:	432-686-7361	Phone:	-	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

Daily Total	Cumulative Cost
$1,910.00	**$133,475.28**
INCLUDING 3RD PARTY CHARGES	**$2,878.66**	**$272,317.30**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/13/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	Report #17

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	400		400			150	$2,100.00
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	336		336			651	$9,322.32
LIME (50)	50# sk	$5.00	200		200			506	$2,530.00
OPTI - G	50# sk	$30.59	160		160			240	$7,341.60
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	50		50			27	$1,603.80
BENTONE 990 (50)	50# sk	$83.59	15		15			77	$6,436.43
OPTI - MUL	gal	$10.75	440		440			385	$4,138.75
OPTI - WET	gal	$8.34	495		495			275	$2,293.50
NEW PHALT	50# sk	$38.72	160		160			180	$6,969.60
OIL SORB (25)	25# sk	$4.75						40	$190.00
BENTONE 42 (50)	50# sk	$327.26	37		37			43	$14,072.18
NewCarb UltiMix	50# sk	$6.35	20		20			60	$381.00
NEW CARB (M)	50# sk	$5.25	82		82			65	$341.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	115		115			63	$1,767.15
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
GRAPHITE - FINE (50)	50# sk	$24.14	52		52			17	$410.38
POLYBEADS FINE (50)	50# sk	$311.38							
POLYBEADS FINE (50)	50# sk	$160.00	80		80			80	$12,800.00
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1400		1400			2189	$15,323.00
OPTI DRILL (OBM)	bbl	$65.00	3084		3084				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		162		162			333	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	32	$29,600.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	32	$960.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65						3250	$8,612.53
TRUCKING (min)	each	$650.00						4	$2,600.00
PALLETS (ea)	each	$12.00						55	$660.00
SHRINK WRAP (ea)	each	$12.00						53	$636.00
		Daily Sub-Total $1,910.00			**Cumulative Total $133,475.28**			**$133,475.29**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/13/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	Report #17

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	250		250			90	$3,757.50
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
POLYBEADS FINE (50)	50# sk	$95.00	200		200				
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74						7000	$12,180.00
OBM_D 2/1/21	gal	$1.75						7000	$12,250.00
Diesel Delivery 2/3/21	gal	$1.82						7207	$13,116.74
Diesel Delivery 2/5/21	gal	$1.82						7205	$13,113.10
Diesel Delivery 2/8/21	gal	$1.87	3518		3000	518	$968.66	4200	$7,854.00
Diesel Delivery 2/10/21	gal	$1.91	7000		7000				

Daily Sub-Total $968.66	$138,842.02

Cumulative Total AES & 3rd Party $272,317.31

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4							
	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812	17,330	17,896	17,896					
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812	17,330	17,896	17,896						
15,002	Footage Drilled	3,749	3,660	12	-	460	2,838	1,348	181	-	544	10	116	1,518	566	-	-	-	-	-	-	-
1,039	New Hole Vol.	356	347	1	-	20	126	60	8	-	24	0	5	67	25	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,851	3,837	3,821	3,821	3,821	3,821	3,821	3,821
154	Chemical Additions	28	20			17	13	18	3	-	23	-	1	13	18	-						
1,838	Base Fluid Added	469	438	18	189	23	90	139	58	24	103	22	71	141	42	12						
152	Barite Increase			7			-	-	69	-	41	14	-	10	11	-						
573	Weighted Mud Added				367		-	-	-	206	-	-	-	-	-	-						
-	Slurry Added						-	-	-	-	-	-	-	-	-	-						
555	Water Added	60	81			39	60	100	40	20	50	10	-	75	20	-						
18	Added for Washout		18				-	-	-	-	-	-	-	-	-	-						
3,289	Total Additions	557	557	25	556	79	163	258	170	250	217	46	72	240	91	12	-	-	-	-	-	-
456	Surface Losses	8	56	40		13	25	150	23	-	122	4	15	-		-						
338	Formation Loss		87	80	72		-	-	-	-	100	-	-	-	-	-						
846	Mud Loss to Cuttings	213	290			22	128	61	8	-	25	1	5	69	26	-						
369	Unrecoverable Volume				25		-	56	50	136		-	60	-	29	14						
402	Centrifuge Losses		9		84	3	30	50	30	50	50	-	5	26	50	15						
2,410	Total Losses	221	442	120	181	38	183	317	111	186	297	5	85	94	105	29	-	-	-	-	-	-
-	Mud Transferred Out																					
3,821	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,851	3,837	3,821	3,821	3,821	3,821	3,821	3,821	3,821
-	Mud Recovered																					

3,515

Comments:		Comments:		Comments:	
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	Drilled to 15142' POOH to change out BHA.	2/13/21	POOH lay down BHA.
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21	Pick up new BHA, TIH, circulate kill mud. Reach bottom and resume drilling.	2/14/21	
2/1/21	Running casing at 9582'MD.	2/8/21	Drilling ahead, Pump 10bbls Polymer Beads every 15min, while sliding, Seepage noted, start LCM sweeps while rotating,	2/15/21	
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21	Drilled to 15696'. Start POOH. Spot 116bbls of 16ppg OBM at 11,500'. Lay down ProDirectional and pick up Schlumberger.	2/16/21	
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21	TIH, Wash and Ream from 11330' to bottom. Tight Hole conditions. Cut MW down to 10.+ppg.	2/17/21	
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21	Continue Drilling ahead on lateral section. Pump LowVis / HiVis sweeps (10bbls) every 300'. Down link as needed to maintain direction. MW 10ppg with 53Vis.	2/18/21	
2/5/21	Drilling ahead. Perform Wiper trip 10 stands. Back to bottom and resume drilling.	2/12/21	Drilled to 17896', 50/50 (chalk-Ash) Called it TD. Circulate Clean up Cycle. Prepare to Wash & Ream out of the hole.	2/19/21	

2/13/2021 **Report 17 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

16.4° **1,529' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**17,896 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**		**Run Prod. Csg.**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**

MUD PROPERTIES

Time Sample Taken	3:00		13:30
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	17,896'		17,896'
Mud Weight (ppg)	10.2		10.2
Funnel Vis (sec/qt) @ 45 °F	61		60
600 rpm	34		36
300 rpm	22		23
200 rpm	16		17
100 rpm	12		13
6 rpm	6		6
3 rpm	4		5
Plastic Viscosity (cp) @ 150 °F	12		13
Yield Point (lb/100 ft²) T0 = 2	10		10
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/12		6/10
Gel Strength (lb/100 ft2) 30 min	16		13
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	15%		15%
Corrected Solids (vol%)	13.3%		13.3%
Retort Oil Content	64%		64%
Retort Water Content	21%		21%
O/W Ratio	75:25		75:25
Whole Mud Chlorides (mg/L)	44,000		44,000
Water Phase Salinity (ppm)	247,300		247,300
Whole Mud Alkalinity, Pom	2.0		1.9
Excess Lime (lb/bbl)	2.6 ppb		2.5 ppb
Electrical Stability (volts)	521 v		535 v
Average Specific Gravity of Solids	3.07		3.07
Percent Low Gravity Solids	7.8%		7.9%
ppb Low Gravity Solids	64 ppb		65 ppb
Percent Barite	5.5%		5.4%
ppb Barite	78 ppb		78 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M WashburN

MUD VOLUME (BBL)

In Pits	669 bbl
In Hole	806 bbl
Active	730 bbl
Storage	2342 bbl
Tot. on Location	3817 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. = 10.2 PV=12 YP=10 **CIRCULATION DATA** n = 0.628 K = 223.4

Bit Depth = 1,548 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	27.5 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	33.5 bbl	BottomsUp Stks	BottomsUp Time
10.1 bbl	TotalCirc.Vol.	730.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	5.000	4.278	1,548'	
Casing				1,548'
				1,548'
				1,548'
				1,548'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	
Int. Csg.	7 5/8	6.875	10,294'	
Washout 1				
Washout 2				
Open Hole Size		6.818	17,896'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x5	1,548'		lam	10.20

BIT DATA Manuf./Type CF 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4				

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
NOV Drying Shakers	140	
Centrifuge 1	NOV	

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3821.3
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Pits/ Cent	
Non-Recoverable Vol. (-)	
Est. Total on Location	3821.3
Est. Losses/Gains (-)/(+)	-4.5

BIT HYDRAULICS DATA

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

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

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Rig up casing crews, pick up production section shoe track, make up toe sleeve, test shoe track, pick up 5" 18# P110 production casing. Casing run depth at time of report is 1548'. Receive addition bulk barite and OBM diesel fuel in preparation for winter storm.

02/14/21 **Report #18**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.8° **9,411' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**0 ft**	**17,896 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**0 ft/hr**	**Run Prod. Csg.**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**205 gpm**	**562 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**
				2/14/21		2/13/21
Time Sample Taken				3:00		13:30
Sample Location				suction		suction
Flowline Temperature °F				85 °F		
Depth (ft)				17,896'		17,896'
Mud Weight (ppg)				10.3		10.2
Funnel Vis (sec/qt)			@ 35 °F	72		60
600 rpm				35		36
300 rpm				22		23
200 rpm				15		17
100 rpm				10		13
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	13		13
Yield Point (lb/100 ft²)			T0 = 4	9		10
Gel Strength (lb/100 ft²)			10 sec/10 min	6/11		6/10
Gel Strength (lb/100 ft^2)			30 min	15		13
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				15.5%		15%
Corrected Solids (vol%)				13.8%		13.3%
Retort Oil Content				64%		64%
Retort Water Content				20.5%		21%
O/W Ratio				76:24		75:25
Whole Mud Chlorides (mg/L)				43,000		44,000
Water Phase Salinity (ppm)				247,507		247,300
Whole Mud Alkalinity, Pom				1.5		1.9
Excess Lime (lb/bbl)				2 ppb		2.5 ppb
Electrical Stability (volts)				515 v		535 v
Average Specific Gravity of Solids				3.12		3.07
Percent Low Gravity Solids				7.7%		7.9%
ppb Low Gravity Solids				63 ppb		65 ppb
Percent Barite				6.1%		5.4%
ppb Barite				87 ppb		78 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M WashburN

MUD VOLUME (BBL)

In Pits	726 bbl
In Hole	744 bbl
Active	1099 bbl
Storage	2339 bbl
Tot. on Location	3809 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	78
gal/min	205

RISER BOOSTER

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

PHHP = 67 **CIRCULATION DATA** n = 0.670 K = 172.089

Bit Depth = 9,700 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.					
71.9 bbl	Volume to Bit	172.4 bbl	Strokes To Bit	2,761	Time To Bit 35 min
	Bottoms Up Vol.	201.0 bbl	BottomsUp Stks	3,218	BottomsUp Time 41 min
	TotalCirc.Vol.	1099.5 bbl	TotalCirc.Stks	17,602	Total Circ. Time 226 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	5.500	4.278	1,718'	0'
Casing	5.000	4.278	7,982'	1,718'
				9,700'
				9,700'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	0'
Int. Csg.	7 5/8	6.875	10,294'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	17,896'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x5.5	1,718'	294.8	turb	11.67
6.875x5	9,700'	225.3	lam	11.10

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4						

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	18.0
Shaker 2	170	18.0
Shaker 3	170	18.0
NOV Drying Shakers	140	18.0

Centrifuge 1 NOV

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3821.3
Transferred In(+)/Out(-)	
Oil Added (+)	8.3
Barite Added (+)	14.6
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Evap/ Pits/ Cent	-35.2
Non-Recoverable Vol. (-)	
Est. Total on Location	3809.0
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:

OBM RECEIVED: 3515bbls Rec. 206bbls/ 16.0ppg

OBM ON SURFACE__ 3158bbls (Storage + Active)

OBM LOSS__Daily (-0bbl)__Total (-155bbl)

MWD Temp: --- Deg.

Rig Activity:

In the past 24hrs: POOH and lay down directional BHA. Well in static conditions. Shut well in; perform rig service and clean up rig floor in preparation to Casing running tools. Pick up and Rig up Casing running tools; make up shoe track and tow sleeve, test free flow through. Continue Running 5" / 18# / P110 casing 7979'. Make up Cross over to 5.5" / 23# / P110. continue with 5.5" casing. Circulate B/U at 9234', monitor MW and 11ppg heaviest observed. Strip in the hole with casing from this point down. Monitor Casing presure and open the choke accordingly. At the time of report: Continue Running production casing in the hole passing 9900'. Proper displacement and fill, no losses noted at this time.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Mike Washburn	Adolfo Roman	MIDLAND	WH #2	
Phone: 361-945-5777	Phone: 956-821-9994	Phone: 432-686-7361	Phone: -	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$4,470.36	**$137,945.64**
INCLUDING 3RD PARTY CHARGES	**$5,119.25**	**$277,436.55**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/14/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	Report #18

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	400		400			150	$2,100.00
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	336		336			651	$9,322.32
LIME (50)	50# sk	$5.00	200		200			506	$2,530.00
OPTI - G	50# sk	$30.59	160		160			240	$7,341.60
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	50		50			27	$1,603.80
BENTONE 990 (50)	50# sk	$83.59	15		15			77	$6,436.43
OPTI - MUL	gal	$10.75	440		440			385	$4,138.75
OPTI - WET	gal	$8.34	495		495			275	$2,293.50
NEW PHALT	50# sk	$38.72	160		160			180	$6,969.60
OIL SORB (25)	25# sk	$4.75						40	$190.00
BENTONE 42 (50)	50# sk	$327.26	37		37			43	$14,072.18
NewCarb UltiMix	50# sk	$6.35	20		20			60	$381.00
NEW CARB (M)	50# sk	$5.25	82		82			65	$341.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	115		115			63	$1,767.15
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
GRAPHITE - FINE (50)	50# sk	$24.14	52		52			17	$410.38
POLYBEADS FINE (50)	50# sk	$311.38							
POLYBEADS FINE (50)	50# sk	$160.00	80		80			80	$12,800.00
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1400	410	1600	210	$1,472.80	2399	$16,795.80
OPTI DRILL (OBM)	bbl	$65.00	3084		3084				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		162		162			333	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	34	$31,450.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	34	$1,020.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65				410	$1,087.56	3660	$9,700.09
TRUCKING (min)	each	$650.00						4	$2,600.00
PALLETS (ea)	each	$12.00						55	$660.00
SHRINK WRAP (ea)	each	$12.00						53	$636.00
		Daily Sub-Total $4,470.36			**Cumulative Total $137,945.64**			**$137,945.65**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/14/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	Report #18

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	250		250			90	$3,757.50
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
POLYBEADS FINE (50)	50# sk	$95.00	200		200				
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74						7000	$12,180.00
OBM_D 2/1/21	gal	$1.75						7000	$12,250.00
Diesel Delivery 2/3/21	gal	$1.82						7207	$13,116.74
Diesel Delivery 2/5/21	gal	$1.82						7205	$13,113.10
Diesel Delivery 2/8/21	gal	$1.87	3000		2653	347	$648.89	4547	$8,502.89
Diesel Delivery 2/10/21	gal	$1.91	7000		7000				
Diesel Delivery 2/12/21	gal	$1.89		6999	6999				

Daily Sub-Total $648.89	$139,490.91

Cumulative Total AES & 3rd Party $277,436.56

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4						
	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812	17,330	17,896	17,896	17,896				
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812	17,330	17,896	17,896	17,896					
15,002	Footage Drilled	3,749	3,660	12	-	460	2,838	1,348	181	-	544	10	116	1,518	566	-	-	-	-	-	-	-
1,039	New Hole Vol.	356	347	1	-	20	126	60	8	-	24	0	5	67	25	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,851	3,837	3,821	3,809	3,809	3,809	3,809	3,809
154	Chemical Additions	28	20			17	13	18	3	-	23	-	1	13	18	-	-					
1,846	Base Fluid Added	469	438	18	189	23	90	139	58	24	103	22	71	141	42	12	8					
167	Barite Increase			7			-	-	69	-	41	14	-	10	11	-	15					
573	Weighted Mud Added				367		-	-	-	206	-	-	-	-	-	-	-					
-	Slurry Added						-	-	-	-	-	-	-	-	-	-	-					
555	Water Added	60	81			39	60	100	40	20	50	10	-	75	20	-	-					
18	Added for Washout		18				-	-	-	-	-	-	-	-	-	-	-					
3,312	Total Additions	557	557	25	556	79	163	258	170	250	217	46	72	240	91	12	23	-	-	-	-	-
456	Surface Losses	8	56	40		13	25	150	23	-	122	4	15	-		-	-					
338	Formation Loss		87	80	72		-	-	-	-	100	-	-	-	-	-	-					
846	Mud Loss to Cuttings	213	290			22	128	61	8	-	25	1	5	69	26	-	-					
404	Unrecoverable Volume				25		-	56	50	136		-	60	-	29	14	35					
402	Centrifuge Losses		9		84	3	30	50	30	50	50	-	5	26	50	15	-					
2,446	Total Losses	221	442	120	181	38	183	317	111	186	297	5	85	94	105	29	35	-	-	-	-	-
-	Mud Transferred Out																					
3,809	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,851	3,837	3,821	3,809	3,809	3,809	3,809	3,809	3,809
-	Mud Recovered																					

3,515

Comments:		Comments:		Comments:	
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	Drilled to 15142' POOH to change out BHA.	2/13/21	POOH lay down BHA.
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21	Pick up new BHA, TIH, circulate kill mud. Reach bottom and resume drilling.	2/14/21	Running Production Casing, circulate BU @9234', 11ppg heaviest mud noted on returns. Continue Running Casing.
2/1/21	Running casing at 9582'MD.	2/8/21	Drilling ahead, Pump 10bbls Polymer Beads every 15min, while sliding, Seepage noted, start LCM sweeps while rotating,	2/15/21	
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21	Drilled to 15696'. Start POOH. Spot 116bbls of 16ppg OBM at 11,500'. Lay down ProDirectional and pick up Schlumberger.	2/16/21	
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21	TIH, Wash and Ream from 11330' to bottom. Tight Hole conditions. Cut MW down to 10.+ppg.	2/17/21	
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21	Continue Drilling ahead on lateral section. Pump LowVis / HiVis sweeps (10bbls) every 300'. Down link as needed to maintain direction. MW 10ppg with 53Vis.	2/18/21	
2/5/21	Drilling ahead. Perform Wiper trip 10 stands. Back to bottom and resume drilling.	2/12/21	Drilled to 17896', 50/50 (chalk-Ash) Called it TD. Circulate Clean up Cycle. Prepare to Wash & Ream out of the hole.	2/19/21	

2/14/2021 **Report 18 pm**

110 Old Market St.
St Martinville, LA 70582

OUTSOURCE FLUID SOLUTIONS LLC.

TEL: (337) 394-1078

94.6° **10,442' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**		**17,896 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**		**Run Prod. Csg.**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.6-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**

MUD PROPERTIES

Time Sample Taken	3:00		13:00
Sample Location	suction		suction
Flowline Temperature °F	85 °F		
Depth (ft)	17,896'		17,896'
Mud Weight (ppg)	10.3		10.2
Funnel Vis (sec/qt) @ 55 °F	72		65
600 rpm	35		38
300 rpm	22		24
200 rpm	15		17
100 rpm	10		12
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	13		14
Yield Point (lb/100 ft²) T0 = 4	9		10
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/11		6/10
Gel Strength (lb/100 ft2) 30 min	15		13
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	15.5%		15%
Corrected Solids (vol%)	13.8%		13.3%
Retort Oil Content	64%		64%
Retort Water Content	20.5%		21%
O/W Ratio	76:24		75:25
Whole Mud Chlorides (mg/L)	43,000		43,500
Water Phase Salinity (ppm)	247,507		245,179
Whole Mud Alkalinity, Pom	1.5		1.9
Excess Lime (lb/bbl)	2 ppb		2.5 ppb
Electrical Stability (volts)	515 v		510 v
Average Specific Gravity of Solids	3.12		3.07
Percent Low Gravity Solids	7.7%		7.9%
ppb Low Gravity Solids	63 ppb		65 ppb
Percent Barite	6.1%		5.5%
ppb Barite	87 ppb		78 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M WashburN

MUD VOLUME (BBL)

In Pits	726 bbl
In Hole	666 bbl
Active	1325 bbl
Storage	2339 bbl
Tot. on Location	3731 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. = 10.3 PV=13 YP=9 **CIRCULATION DATA** n = 0.670 K = 172.1

Bit Depth = 16,400 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.			
149.6 bbl	Volume to Bit 291.6 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol. 307.2 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 1324.7 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	5.500	4.278	8,418'	
Casing	5.000	4.278	7,982'	8,418'
				16,400'
				16,400'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,893'	
Int. Csg.	7 5/8	6.875	10,294'	
Washout 1				
Washout 2				
Open Hole Size	6.818		17,896'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x5.5	8,418'		lam	10.34
6.875x5	10,294'		lam	10.34
6.818x5	16,400'		lam	10.34

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4				

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
NOV Drying Shakers	140	
Centrifuge 1	NOV	

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3809.1
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Pits/ Cent	
Non-Recoverable Vol. (-)	
Est. Total on Location	3809.1
Est. Losses/Gains (-)/(+)	-77.8

BIT HYDRAULICS DATA

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

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

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Run Production casing to 9234' circulate out mud cap, 11.0# heaviest mud observed. Strip in hole to base of curve at 11500', circulate B/U catch 60 bbls bbls heavy kill mud up to 14.0#, lose 65 bbls downhole while circulating. Continue to strip in hole with production casing, run depth at time of report 16400, no downhole mud losses observed since previous event at 11,500.

02/15/21 **Report #19**

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

OUTSOURCE FLUID SOLUTIONS LLC.

99.5° **10,366' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**01/14/21**	**0 ft**	**17,896 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
SABINE B 2-H	**248**	**TEXAS**	**01/14/21**	**0 ft/hr**	**Cementing Csg.**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER/JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**192 gpm**	**1,103 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	707 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.6-12	**5-20**	**7-13**	**>400**	**±250K**	**<10 <15**	**<8**	In Hole	649 bbl	Stroke	12	Stroke	12	Stroke	
				2/15/21		2/14/21	Active	1355 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				3:00		13:00	Storage	2918 bbl	stk/min	0	stk/min	73	stk/min	
Sample Location				suction		suction	Tot. on Location	4274 bbl	gal/min	0	gal/min	192	gal/min	0
Flowline Temperature °F				75 °F			PHHP = 123		**CIRCULATION DATA**				n = 0.646	K = 208.293
Depth (ft)				17,896'		17,896'	Bit Depth = 17,863 '		Washout = 1%				Pump Efficiency = 95%	
Mud Weight (ppg)				10.3		10.2	Drill String Disp.	Volume to Bit 317.6 bbl	Strokes To Bit	5,084			Time To Bit	70 min
Funnel Vis (sec/qt)			@ 55 °F	66		65		Bottoms Up Vol. 330.2 bbl	BottomsUp Stks	5,287			BottomsUp Time	72 min
600 rpm				36		38	166.6 bbl	TotalCirc.Vol. 1354.8 bbl	TotalCirc.Stks	21,689			Total Circ. Time	297 min
300 rpm				23		24	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				16		17	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				10		12	Casing	5.500	4.278	9,881'	0'		Shaker 1	170	24.0
6 rpm				6		6	Casing	5.000	4.278	7,982'	9,881'		Shaker 2	170	24.0
3 rpm				5		5					17,863'		Shaker 3	170	24.0
Plastic Viscosity (cp)			@ 150 °F	13		14					17,863'		NOV Drying Shakers	140	24.0
Yield Point (lb/100 ft²)			T0 = 4	10		10	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)			10 sec/10 min	6/11		6/10	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1	NOV	
Gel Strength (lb/100 ft²)			30 min	15		13	Riser						**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0	Surface	10 3/4		2,893'	0'		Prev. Total on Location		3809.1
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,294'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				16%		15%							Oil Added (+)		0.0
Corrected Solids (vol%)				14.3%		13.3%							Barite Added (+)		0.0
Retort Oil Content				64%		64%	Open Hole Size	6.818	17,896'				Other Product Usage (+)		0.0
Retort Water Content				20%		21%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		
O/W Ratio				76:24		75:25	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		0.0
Whole Mud Chlorides (mg/L)				42,000		43,500									
Water Phase Salinity (ppm)				247,723		245,179							Rcovered F/Cement		465.2
Whole Mud Alkalinity, Pom				1.3		1.9	6.875x5.5	9,881'	275.9	turb	11.40		Est. Total on Location		4274.3
Excess Lime (lb/bbl)				1.7 ppb		2.5 ppb	6.875x5	10,294'	210.8	lam	11.38		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				505 v		510 v	6.818x5	17,863'	218.5	lam	11.84		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				3.05		3.07							Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				8.6%		7.9%									
ppb Low Gravity Solids				71 ppb		65 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	
Percent Barite				5.7%		5.5%									
ppb Barite				82 ppb		78 ppb	**BIT DATA**		Manuf./Type						
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD	Calc. Circ. Pressure	
Sample Taken By				A. ROMAN	0	M WashburN	6 3/4								

Remarks/Recommendations:

OBM RECEIVED: 3515bbls Rec. 206bbls/ 16.0ppg

OBM ON SURFACE__ 3158bbls (Storage + Active)

OBM LOSS__Daily (-0bbl)__Total (-155bbl)

MWD Temp: --- Deg.

Rig Activity:

In the past 24hrs: Run 5" / 18# / P110 and 5.5" / 23# / P110 production casing to bottom, with no problems. Circulate B/U at 9234' / 11500' and 17,863'. Monitor gas and heavy mud returns. With Casing on bottom, circulate while defrosting cementers water pump and water lines. Extremen weather conditions slowing progress down. Rig up new lines for cement water and start on Cement operations. Monitor returns and transfer OBM to storage as capacity of the active system max out. At the time of report: Continue with cementing operations. Displacing Cement at time of report. Volume accounting not acurate at this time.

Eng. 1:	Mike Washburn	Eng. 2:	Adolfo Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	956-821-9994	Phone:	432-686-7361	Phone:	-	

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

Any opinion and or recommendation, expressed orally or written herein, has been prepared carefully and may be used if the user so elects, however, no representation is made as to the validity of this information, and this is a recommendation only.

	Daily Total	Cumulative Cost
	$1,910.00	**$139,855.64**
INCLUDING 3RD PARTY CHARGES	**$1,910.00**	**$279,346.55**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/15/21	MAGNOLIA OIL & GAS	SABINE B 2-H	248	Report #19

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	10		10			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	60		60				
EVO-LUBE	gal	$14.00	400		400			150	$2,100.00
NEW GEL (PREMIUM)			70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	19		19				
CACL2 (50)	50# sk	$14.32	336		336			651	$9,322.32
LIME (50)	50# sk	$5.00	200		200			506	$2,530.00
OPTI - G	50# sk	$30.59	160		160			240	$7,341.60
BENTONE 38 (50)	50# sk	$163.94							
BENTONE 910 (50)	50# sk	$59.40	50		50			27	$1,603.80
BENTONE 990 (50)	50# sk	$83.59	15		15			77	$6,436.43
OPTI - MUL	gal	$10.75	440		440			385	$4,138.75
OPTI - WET	gal	$8.34	495		495			275	$2,293.50
NEW PHALT	50# sk	$38.72	160		160			180	$6,969.60
OIL SORB (25)	25# sk	$4.75						40	$190.00
BENTONE 42 (50)	50# sk	$327.26	37		37			43	$14,072.18
NewCarb UltiMix	50# sk	$6.35	20		20			60	$381.00
NEW CARB (M)	50# sk	$5.25	82		82			65	$341.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	115		115			63	$1,767.15
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50	20		20				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	55		55				
COTTON SEED HULLS (50)	50# sk	$12.23	156		156				
GRAPHITE - FINE (50)	50# sk	$24.14	52		52			17	$410.38
POLYBEADS FINE (50)	50# sk	$311.38							
POLYBEADS FINE (50)	50# sk	$160.00	80		80			80	$12,800.00
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1600		1600			2399	$16,795.80
OPTI DRILL (OBM)	bbl	$65.00	3084		3084				
DISCOUNTED OBM	bbl	$10.00	79		79				
Magnolia Owned OBM	bbl		162		162			333	
Magnolia Owned LGS	bbl		352		352				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	36	$33,300.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	36	$1,080.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65						3660	$9,700.09
TRUCKING (min)	each	$650.00						4	$2,600.00
PALLETS (ea)	each	$12.00						55	$660.00
SHRINK WRAP (ea)	each	$12.00						53	$636.00
		Daily Sub-Total $1,910.00			**Cumulative Total $139,855.64**			**$139,855.65**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
02/15/21	**MAGNOLIA OIL & GAS**	**SABINE B 2-H**	**248**	**Report #19**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	250		250			90	$3,757.50
TURBO CHEM SYNSEAL	25# sk	$85.00	100		100				
TRUBO CHEM PALLETS & SHRINK WRAP	each	$40.00						8	$320.00
POLYBEADS FINE (50)	50# sk	$95.00	200		200				
OBM_D Skid Vol	gal	$1.74						19278	$33,543.72
OBM_D 1/29/21	gal	$1.75						7000	$12,250.00
Diesel 1/30/21	gal	$1.74						3500	$6,090.00
OBM_D 1/30/21 (2)	gal	$1.74						7003	$12,185.22
OBM_D 1/30/21 (3)	gal	$1.74						7001	$12,181.74
OBM_D 1/31/21	gal	$1.74						7000	$12,180.00
OBM_D 2/1/21	gal	$1.75						7000	$12,250.00
Diesel Delivery 2/3/21	gal	$1.82						7207	$13,116.74
Diesel Delivery 2/5/21	gal	$1.82						7205	$13,113.10
Diesel Delivery 2/8/21	gal	$1.87	2653		2653			4547	$8,502.89
Diesel Delivery 2/10/21	gal	$1.91	7000		7000				
Diesel Delivery 2/12/21	gal	$1.89	6999		6999				
									$139,490.91

Cumulative Total AES & 3rd Party $279,346.56

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	SABINE B 2-H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	1/30/21	1/31/21	2/1/21	2/2/21	2/3/21	2/4/21	2/5/21	2/6/21	2/7/21	2/8/21	2/9/21	2/10/21	2/11/21	2/12/21	2/13/21	2/14/21	2/15/21	2/16/21	2/17/21	2/18/21	2/19/21
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4					
	Starting Depth	2,894	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812	17,330	17,896	17,896	17,896	17,896			
	Ending Depth	6,643	10,303	10,315	10,315	10,775	13,613	14,961	15,142	15,142	15,686	15,696	15,812	17,330	17,896	17,896	17,896	17,896				
15,002	Footage Drilled	3,749	3,660	12	-	460	2,838	1,348	181	-	544	10	116	1,518	566	-	-	-	-	-	-	-
1,039	New Hole Vol.	356	347	1	-	20	126	60	8	-	24	0	5	67	25	-	-	-	-	-	-	-
	Starting System Volume	2,942	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,851	3,837	3,821	3,809	4,274	4,274	4,274	4,274
154	Chemical Additions	28	20			17	13	18	3	-	23	-	1	13	18	-	-	-				
1,846	Base Fluid Added	469	438	18	189	23	90	139	58	24	103	22	71	141	42	12	8	-				
167	Barite Increase			7			-	-	69	-	41	14	-	10	11	-	15	-				
1,038	Weighted Mud Added				367		-	-	-	206	-	-	-	-	-	-	-	465				
-	Slurry Added						-	-	-	-	-	-	-	-	-	-	-	-				
555	Water Added	60	81			39	60	100	40	20	50	10	-	75	20	-	-	-				
18	Added for Washout		18				-	-	-	-	-	-	-	-	-	-	-	-				
3,777	Total Additions	557	557	25	556	79	163	258	170	250	217	46	72	240	91	12	23	465	-	-	-	-
456	Surface Losses	8	56	40		13	25	150	23	-	122	4	15	-		-	-	-				
338	Formation Loss		87	80	72		-	-	-	-	100	-	-	-	-	-	-	-				
846	Mud Loss to Cuttings	213	290			22	128	61	8	-	25	1	5	69	26	-	-	-				
404	Unrecoverable Volume				25		-	56	50	136		-	60	-	29	14	35	-				
402	Centrifuge Losses		9		84	3	30	50	30	50	50	-	5	26	50	15	-	-				
2,446	Total Losses	221	442	120	181	38	183	317	111	186	297	5	85	94	105	29	35	-	-	-	-	-
-	Mud Transferred Out																	-				
4,274	Ending System Volume	3,279	3,394	3,299	3,673	3,714	3,694	3,634	3,693	3,757	3,677	3,718	3,705	3,851	3,837	3,821	3,809	4,274	4,274	4,274	4,274	4,274
-	Mud Recovered																					

3,980

Comments:		Comments:		Comments:	
1/30/21	Skid over from the A-1H, drilled out at 16:30hrs. Drilled ahead to 6,643'MD	2/6/21	Drilled to 15142' POOH to change out BHA.	2/13/21	POOH lay down BHA.
1/31/21	Mud Lost to Evap 46.2bbls, Cent 9bbls, Pits 10bbls Cuttings 289.5bbls and Seepage 87bbls	2/7/21	Pick up new BHA, TIH, circulate kill mud. Reach bottom and resume drilling.	2/14/21	Running Production Casing, circulate BU @9234', 11ppg heaviest mud noted on returns. Continue Running Casing.
2/1/21	Running casing at 9582'MD.	2/8/21	Drilling ahead, Pump 10bbls Polymer Beads every 15min, while sliding, Seepage noted, start LCM sweeps while rotating,	2/15/21	Finish running casing to bottom, Circulate BU and Cement casing. Cementers lines froze, change lines and resume operations. Displacing cement at time of report.
2/2/21	Cement the 10.75" casing with full returns, dumped 25bbls interface and 14bbls spacer. Loss to cent cutting MW 84bbls and 72bbls to seepage running casing and circulaing the hole.	2/9/21	Drilled to 15696'. Start POOH. Spot 116bbls of 16ppg OBM at 11,500'. Lay down ProDirectional and pick up Schlumberger.	2/16/21	
2/3/21	Drilling curve setion at 10,775'MD with 8.7ppg MW.	2/10/21	TIH, Wash and Ream from 11330' to bottom. Tight Hole conditions. Cut MW down to 10.+ppg.	2/17/21	
2/4/21	Drilling ahead on lateral section. MW 8.8ppg, pumiping sweeps every 300' 10bbls (LCM). 400gpm pump rate,	2/11/21	Continue Drilling ahead on lateral section. Pump LowVis / HiVis sweeps (10bbls) every 300'. Down link as needed to maintain direction. MW 10ppg with 53Vis.	2/18/21	
2/5/21	Drilling ahead. Perform Wiper trip 10 stands. Back to bottom and resume drilling.	2/12/21	Drilled to 17896', 50/50 (chalk-Ash) Called it TD. Circulate Clean up Cycle. Prepare to Wash & Ream out of the hole.	2/19/21	