12/11/20 **Report #4**

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**	**FAYETTE**	**12/08/20**	**0 ft**	**0 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**0 ft/hr**	**Rig Up**
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**
				12/10/20		
Time Sample Taken						
Sample Location				NO MUD		
Flowline Temperature °F						
Depth (ft)						
Mud Weight (ppg)						
Funnel Vis (sec/qt) @ 90 °F						
600 rpm						
300 rpm						
200 rpm						
100 rpm						
6 rpm						
3 rpm						
Plastic Viscosity (cp) @ 120 °F						
Yield Point (lb/100 ft²) T0 =						
Gel Strength (lb/100 ft²) 10 sec/10 min						
Gel Strength (lb/100 ft^2) 30 min						
API Filtrate / Cake Thickness						
HTHP Filtrate / Cake Thickness @ 0 °F						
Retort Solids Content						
Retort Oil Content						
Retort Water Content						
Sand Content						
M.B.T. (Methylene Blue Capacity) (ppb)						
pH						
Alkalinity, Mud Pm						
Alkalinities, Filtrate Pf/Mf						
Chlorides (mg/L)						
Calcium (ppm)						
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids						
Percent Drill Solids						
PPA Spurt / Total (ml) @ @ 0 °F						
Estimated Total LCM in System ppb						
Sample Taken By				R. Bowlin		M. Meehan

MUD VOLUME (BBL)

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

PUMP #1

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	
gal/min	0

PUMP #2

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	
gal/min	0

RISER BOOSTER

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	
gal/min	0

PHHP = 0

CIRCULATION DATA

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

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

DRILLING ASSEMBLY DATA

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

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface				108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	0.000		0'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type

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

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

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

BIT HYDRAULICS DATA

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

Remarks/Recommendations:

OBM RECEIVED: 921 bbls Transfer from Yukon Pad.

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

OBM LOSS/GAIN-- Total (___)

Rig Activity:

Continue to rig up on the Fat Tire pad. Water wells running filling up water tanks and Active system in preparation for drilling surface. Rig shakers dressed up with NOV screens dry run and function test.

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	g	G	p	A	S	C
0	2	2	1	1	0	1	0	0

	Daily Total	Cumulative Cost
	$1,910.00	**$8,239.00**
INCLUDING 3RD PARTY CHARGES	**$1,910.00**	**$8,239.00**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/11/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	248	Report #4

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	104		104				
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				
DETERGENT (pail)	5 gal								
CACL2 (50)	50# sk	$14.32	224		224				
LIME (50)	50# sk	$5.00	110		110				
OPTI - G	50# sk	$30.59	40		40				
BENTONE 38 (50)	50# sk	$163.94	36		36				
BENTONE 910 (50)	50# sk	$59.40	31		31				
BENTONE 990 (50)	50# sk	$83.59	24		24				
OPTI - MUL	gal	$10.75	330		330				
OPTI - WET	gal	$8.34	495		495				
NEW PHALT	50# sk	$38.72	160		160				
OIL SORB (25)	25# sk	$4.75	40		40				
NEW CARB (M)	50# sk	$5.25	150		150				
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	175		175				
MAGMAFIBER R (30)	30# sk	$28.05	38		38				
VARISEAL	50# sk	$26.50	80		80				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00							
OPTI DRILL (OBM)	bbl	$65.00	921		921				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	8	$7,400.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	8	$240.00
ENGINEERING (MILES)	each	$1.00						599	$599.00
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							

Daily Sub-Total $1,910.00	Cumulative Total $8,239.00	$8,239.00

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/11/20	**MAGNOLIA OIL & GAS**	**FAT TIRE A-1H**	**248**	**Report #4**

	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	150		150				

Cumulative Total AES & 3rd Party $8,239.00

12/11/2020 **Report 4 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

10.5° **2,074' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**2,089 ft**	**2,089 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**1,232 ft/hr**	**Drilling Surface**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**WBM**	**715 gpm**	**2,300 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8-9**	**<25**	**2-10**

MUD PROPERTIES

Time Sample Taken			13:00
Sample Location	NO MUD		suction
Flowline Temperature °F			110 °F
Depth (ft)			2,089'
Mud Weight (ppg)			8.7
Funnel Vis (sec/qt) @ 90 °F			27
600 rpm			4
300 rpm			3
200 rpm			2
100 rpm			1
6 rpm			1
3 rpm			1
Plastic Viscosity (cp) @ 120 °F			1
Yield Point (lb/100 ft²) T0 = 1			2
Gel Strength (lb/100 ft²) 10 sec / 10 min			1/2
Gel Strength (lb/100 ft2) 30 min			2
API Filtrate / Cake Thickness			25/1
HTHP Filtrate / Cake Thickness			
Retort Solids Content			2.7%
Retort Oil Content			
Retort Water Content			97.3%
Sand Content			0%
M.B.T. (Methylene Blue Capacity) (ppb)			2.5
pH			8.0
Alkalinity, Mud Pm			0.1
Alkalinities, Filtrate Pf/Mf			0.1/0.2
Chlorides (mg/L)			500
Calcium (ppm)			120
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids			2.6%
Percent Drill Solids			2.6%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By			M Washburn

MUD VOLUME (BBL)

In Pits	500 bbl
In Hole	365 bbl
Active	865 bbl
Storage	
Tot. on Location	865 bbl

PUMP #1

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	93
gal/min	358

PUMP #2

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	93
gal/min	358

RISER BOOSTER

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	93
gal/min	358

Mud Wt. = 8.7 PV=1 YP=2 **CIRCULATION DATA** n = 0.415 K = 115.0

Bit Depth = 2,089 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.							
21.8 bbl	Volume to Bit	33.5 bbl	Strokes To Bit	366	Time To Bit	2 min
	Bottoms Up Vol.	331.4 bbl	BottomsUp Stks	3,621	BottomsUp Time	13 min
	Riser Ann. Vol.	-2.6 bbl	Riser Strokes	-29	Riser Circ. Time	0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	1,694'	
Hevi Wt	5.000	3.000	275'	1,694'
Dir. BHA	8.000	2.875	120'	1,969'
				2,089'

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	14.175		2,089'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	-1051.6		10.12
14.175x5	1,694'	99.6	lam	11.22
14.175x5	1,969'	99.6	lam	13.28
14.175x8	2,089'	128.0	lam	15.13

BIT DATA Manuf./Type Ulterra/U616S

Size	Depth In	Hours	Footage	ROP ft/hr
13 1/2	20 ft	5.0	2,089 ft	417.8

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	5.0
Shaker 2	140-80	5.0
Shaker 3	140-80	5.0
Desander		5.0
Desilter		5.0
Centrifuge 1		5.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	-611.6
Est. Total on Location	-611.6
Est. Losses/Gains (-)/(+)	1476.5

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.65	224 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		14	14	14
546 lbs	170			

Motor/MWD	Calc. Circ. Pressure
1,330 psi	1,812 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Spud in Fat Tire A-1H at 08:30, drilling 13-1/2" hole section using fresh water laden with drilling detergent and S.A.P.P, pump 20 bbls sweep and dump sand trap every 300', operate centrifuge, desander and desilter continuously. Currently drilling at 2089'. Receiving 500 bbls of 9.3 OBM from Newpark Madisonville and filling up bulk barite tanks.

12/12/2020

Report 5 pm

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**2,089 ft**	**3,105 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**		**SPUD IN FT B-1H**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**WBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8-9**	**<25**	**2-10**

MUD PROPERTIES

Time Sample Taken	2:00		13:00
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	3,105'		3,105'
Mud Weight (ppg)	9.0		9.1
Funnel Vis (sec/qt) @ 90 °F	31		32
600 rpm	6		6
300 rpm	4		5
200 rpm	2		3
100 rpm	1		2
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	2		1
Yield Point (lb/100 ft²) T0 = 1	2		4
Gel Strength (lb/100 ft²) 10 sec / 10 min	2/4		1/2
Gel Strength (lb/100 ft2) 30 min	6		2
API Filtrate / Cake Thickness	25/1		25/1
HTHP Filtrate / Cake Thickness			
Retort Solids Content	4.9%		5.7%
Retort Oil Content			
Retort Water Content	95.1%		94.3%
Sand Content	0.5%		0.5%
M.B.T. (Methylene Blue Capacity) (ppb)			2.5
pH	8.2		8.0
Alkalinity, Mud Pm	0.1		0.1
Alkalinities, Filtrate Pf/Mf	0.1/0.2		0.1/0.2
Chlorides (mg/L)	400		500
Calcium (ppm)	120		120
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	4.9%		5.6%
Percent Drill Solids	4.9%		5.6%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	
In Hole	329 bbl
Active	
Storage	
Tot. on Location	329 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. = 9.0 PV=2 YP=2 **CIRCULATION DATA** n = 0.585 K = 53.1

Washout = 5% | Pump Efficiency = 95%

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

DRILLING ASSEMBLY DATA

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

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20	19.500	108'	
Surface	10 3/4	9.950	3,095'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	14.175		3,105'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type Ulterra/U616S

Size	Depth In	Hours	Footage	ROP ft/hr
13 1/2	20 ft	5.0	2,089 ft	417.8

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	5.0
Shaker 2	140-80	5.0
Shaker 3	140-80	5.0
Desander		5.0
Desilter		5.0
Centrifuge 1		5.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	3.3
Water Added (+)	2000.0
Left on Cuttings (-)	-407.8
Sand Trap Discharge	-1045.9
Non-Recoverable Vol. (-)	-220.5
Est. Total on Location	329.2
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!				

Motor/MWD	Calc. Circ. Pressure
1,330 psi	#DIV/0!

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drill 13-1/2" surface hole section to 3105, pump 3 X 30 bbls sweeps and circulate hole clean, pull out of hole, run 10-3/4", 45.5#, J55, BTC surface casing to 3095, circulate casing capacity with full returns, walk rig to Fat Tire B-1H, cement FT A-1H offline, observe 150 bbls cement to surface, divert same and transfer to disposal. Currently drilling surface hole on the FT B-1H @ 2800'.

12/12/20 **Report #5**

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

OUTSOURCE FLUID SOLUTIONS LLC.

10.5° **3,063' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**2,089 ft**	**3,105 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**1,232 ft/hr**	**Run Casing/Cement**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**WBM**	**0 gpm**	**2,300 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	GELS	pH	API fl	% Solids	In Pits	500 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8-9**	**<25**	**2-10**	In Hole	575 bbl	Stroke	12	Stroke	12	Stroke	12
				12/12/20		12/11/20	Active	1073 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Time Sample Taken				2:00		13:00	Storage		stk/min	0	stk/min	0	stk/min	0
Sample Location				suction		suction	Tot. on Location	1075 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F						110 °F	PHHP = 0		**CIRCULATION DATA**				n = 0.585	K = 53.126
Depth (ft)				3,105'		2,089'	Bit Depth = 3,095 '		Washout = 5%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.0		8.7	Drill String Disp.	Volume to Bit 297.7 bbl	Strokes To Bit		Time To Bit			
Funnel Vis (sec/qt)		@ 90 °F		31		27		Bottoms Up Vol. 275.5 bbl	BottomsUp Stks		BottomsUp Time			
600 rpm				6		4	49.8 bbl	Riser Ann. Vol. 27.8 bbl	Riser Strokes		Riser Circ. Time			
300 rpm				4		3	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				2		2	Tubulars	OD (in.) ID (in.) Length Top					Unit	Screens Hours
100 rpm				1		1	Casing	10.750 9.950 3,095' 0'					Shaker 1	140-80 5.0
6 rpm				1		1		3,095'					Shaker 2	140-80 5.0
3 rpm				1		1		3,095'					Shaker 3	140-80 5.0
Plastic Viscosity (cp)		@ 120 °F		2		1		3,095'					Desander	5.0
Yield Point (lb/100 ft²)		T0 = 1		2		2	**CASING & HOLE DATA**						Desilter	5.0
Gel Strength (lb/100 ft²)		10 sec/10 min		2/4		1/2	Casing	OD (in.) ID (in.) Depth Top					Centrifuge 1	5.0
Gel Strength (lb/100 ft²)		30 min		6		2	Riser	20 19.500 108'					**VOLUME ACCOUNTING (bbls)**	
API Filtrate / Cake Thickness				25/1		25/1	Surface	108'					Prev. Total on Location	0.0
HTHP Filtrate / Cake Thickness		@ 0 °F					Int. Csg.	108'					Transferred In(+)/Out(-)	
Retort Solids Content				4.9%		2.7%	Washout 1						Oil Added (+)	0.0
Retort Oil Content							Washout 2						Barite Added (+)	0.0
Retort Water Content				95.1%		97.3%	Open Hole Size	14.175 3,105'					Other Product Usage (+)	3.3
Sand Content				0.5%		0%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	2000.0
M.B.T. (Methylene Blue Capacity) (ppb)						2.5	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	-407.8
pH				8.2		8.0							Sand Trap Discharge	-300.0
Alkalinity, Mud Pm				0.1		0.1	19.5x10.75	108'	0.0	lam	9.00		Non-Recoverable Vol. (-)	-220.5
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.2	14.175x10.75	3,095'	0.0	lam	9.00		Est. Total on Location	1075.1
Chlorides (mg/L)				400		500							Est. Losses/Gains (-)/(+)	0.0
Calcium (ppm)				120		120							**BIT HYDRAULICS DATA**	
Excess Lime (lb/bbl)													Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Average Specific Gravity of Solids				2.60	2.60	2.60							0.00 psi	14 14 14
Percent Low Gravity Solids				4.9%		2.6%							Bit Impact Force / Nozzle Velocity (ft/sec)	14 14 14
Percent Drill Solids				4.9%		2.6%								14 14 14
PPA Spurt / Total (ml) @		@ 0 °F					**BIT DATA**	Manuf./Type Ulterra/U616S					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				A. Roman		M Washburn	13 1/2	20 ft 5.0 2,089 ft 417.8					1,330 psi	

Remarks/Recommendations:

OBM RECEIVED: 924bbls F/Mud Plant / Total OH: 1845bbl

OBM ON SURFACE--- 1845bbls (Storage + Active)

OBM LOSS/GAIN-- Total (___)

Rig Activity:

Spud in @ 8:30hrs. Drilled 13.5" hole to TD 3105'. TD @15:30hrs. Discharge Sand Trap every 300' and Pump Fresh Water (Sapp/Soap) sweeps every 300'. Maintain constant additions of fresh Water to active system to maintain volume and dilutions. All Mud cleaning equipment ran while drilling and or Circulating. At TD pump 3/30bbls Hi-Vis sweeps and circulate hole clean. POOH to Run Casing. Out of the hole by 18:00hrs, rig up Casing running tools and run 10.75"/45.5#/J55/BTC Surface casing to bottom with no issues. Casing on bottom, Circulate Casing Capacity with full returns. Remove landing joint and prepare to walk the rig, while cementing off line. At this time preparing to Cement Casing.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:	Daily Total	Cumulative Cost
Mike Washburn	Adolfo Roman	MIDLAND	WH #2			
Phone: 361-945-5777	Phone: 956-821-9994	Phone: 432-686-7361	Phone: -		**$6,490.99**	**$14,729.99**

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

INCLUDING 3RD PARTY CHARGES	$6,490.99	$14,729.99

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/12/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	248	Report #5

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	104		60	44	$1,960.64	44	$1,960.64
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	224		224				
LIME (50)	50# sk	$5.00	110		110				
OPTI - G	50# sk	$30.59	40		40				
BENTONE 38 (50)	50# sk	$163.94	36		36				
BENTONE 910 (50)	50# sk	$59.40	31		31				
BENTONE 990 (50)	50# sk	$83.59	24		24				
OPTI - MUL	gal	$10.75	330		330				
OPTI - WET	gal	$8.34	495		495				
NEW PHALT	50# sk	$38.72	160		160				
OIL SORB (25)	25# sk	$4.75	40		40				
NEW CARB (M)	50# sk	$5.25	150		150				
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	175		175				
MAGMAFIBER R (30)	30# sk	$28.05	38		38				
VARISEAL	50# sk	$26.50	80		80				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00		819	819				
OPTI DRILL (OBM)	bbl	$65.00	921	924	1845				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	10	$9,250.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	10	$300.00
ENGINEERING (MILES)	each	$1.00				450	$450.00	1049	$1,049.00
TRUCKING (cwt)	each	$2.65				819	$2,170.35	819	$2,170.35
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							

Daily Sub-Total $6,490.99	Cumulative Total $14,729.99	$14,729.99

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/12/20	**MAGNOLIA OIL & GAS**	**FAT TIRE A-1H**	**248**	**Report #5**

	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	150		150				

Cumulative Total AES & 3rd Party $14,729.99

12/18/20 **Report #6**

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

OUTSOURCE FLUID SOLUTIONS LLC.

11.1° **3,167' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**96 ft**	**3,201 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**96 ft/hr**	**Drilling Inter.**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**808 gpm**	**3,905 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10.6	**5-20**	**5-15**	**>350**	**±240K**	**<10 <20**	**<10**
				12/18/20		
Time Sample Taken				2:00		
Sample Location				suction		
Flowline Temperature °F						
Depth (ft)				3,105'		
Mud Weight (ppg)				9.3		
Funnel Vis (sec/qt)			@ 70 °F	60		
600 rpm				28		
300 rpm				18		
200 rpm				15		
100 rpm				10		
6 rpm				5		
3 rpm				4		
Plastic Viscosity (cp)			@ 150 °F	10		
Yield Point (lb/100 ft²)			T0 = 3	8		
Gel Strength (lb/100 ft²)			10 sec/10 min	5/9		
Gel Strength (lb/100 ft^2)			30 min	14		
HTHP Filtrate (cm/30 min)			@ 250 °F	10.0		
HTHP Cake Thickness (32nds)				1.0		
Retort Solids Content				10%		
Corrected Solids (vol%)				8%		
Retort Oil Content				65%		
Retort Water Content				25%		
O/W Ratio				72:28		
Whole Mud Chlorides (mg/L)				50,000		
Water Phase Salinity (ppm)				238,743		
Whole Mud Alkalinity, Pom				2.0		
Excess Lime (lb/bbl)				2.6 ppb		
Electrical Stability (volts)				380 v		
Average Specific Gravity of Solids				3.00		
Percent Low Gravity Solids				5%		
ppb Low Gravity Solids				41 ppb		
Percent Barite				3%		
ppb Barite				43 ppb		
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	0

MUD VOLUME (BBL)

In Pits	853 bbl
In Hole	260 bbl
Active	1113 bbl
Storage	1037 bbl
Tot. on Location	2150 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	126
gal/min	404

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	126
gal/min	404

RISER BOOSTER

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

PHHP = 1840 **CIRCULATION DATA** n = 0.637 K = 172.351

Bit Depth = 3,201 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.						
48.3 bbl	Volume to Bit	49.8 bbl	Strokes To Bit	652	Time To Bit	3 min
	Bottoms Up Vol.	210.6 bbl	BottomsUp Stks	2,760	BottomsUp Time	11 min
	TotalCirc.Vol.	1113.4 bbl	TotalCirc.Stks	14,591	Total Circ. Time	58 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	522'	0'
AGITATOR	6.750	2.500	30'	522'
Drill Pipe	5.000	4.276	2,072'	552'
Dir. BHA	7.750	2.500	577'	2,624'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	3,105'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	10.369		3,201'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	522'	267.5	turb	9.58
9.95x6.75	552'	370.4	turb	9.69
9.95x5	2,624'	267.5	turb	9.63
9.95x7.75	3,105'	508.4	turb	9.92
10.369x7.75	3,201'	417.2	turb	10.02

BIT DATA Manuf./Type Ulterra/SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	3,105 ft	1.0	96 ft	96.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	16.0
Shaker 2	140-80	16.0
Shaker 3	140-80	16.0
Dryer Shaker 3	140-80	16.0
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	329.1
Transferred In(+)/Out(-)	1812.5
Oil Added (+)	12.6
Barite Added (+)	0.0
Other Product Usage (+)	6.2
Water Added (+)	
Left on Cuttings (-)	-10.0
Est. Total on Location	2150.4
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.55	251 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
676 lbs	174			

Motor/MWD	Calc. Circ. Pressure
1,330 psi	3,133 psi

Remarks/Recommendations:

OBM RECEIVED: 1812bbls (1412bbls Transferred +400rec)

OBM ON SURFACE--- 1890 bbls (Storage + Active)

OBM LOSS/GAIN-- Total (_0_)

Rig Activity:

On the Past 24hrs: WOC to 08:00hrs. Ck pressure and open well, secure FAT TIRE B 1H. Skid to FatTire A-1H; Nipple up and Test BOP's. Transfer all sack material and OBM. Pick up and make up Directional BHA, TIH and tag float collar @3013'. Initiate circulation and drill out shoe track + 10' new formation, perform FIT to 11.6EMW (382psi). Currentlhy: Drilling ahead on intermediate section, initial pump rate 430gpm, increased up to 800gpm after 100'. Start additions of diesel/Water and chemicals for intermediate section. Elevated GPM allowing for high ROP 1000+ft/hr; however, having a negative impact on mud shakers. At this time: Drilling ahead passing 3500'. 800gpm / 1150ROP.

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	2	1

	Daily Total	Cumulative Cost
	$4,171.97	**$18,901.96**
INCLUDING 3RD PARTY CHARGES	**$4,856.57**	**$19,586.56**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/18/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	248	Report #6

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						44	$1,960.64
PHPA LIQUID (pail)	5 gal	$41.36							
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
CACL2 (50)	50# sk	$14.32		326	270	56	$801.92	56	$801.92
LIME (50)	50# sk	$5.00		250	225	25	$125.00	25	$125.00
OPTI - G	50# sk	$30.59		200	200				
BENTONE 38 (50)	50# sk	$163.94		36	36				
BENTONE 910 (50)	50# sk	$59.40		14	10	4	$237.60	4	$237.60
BENTONE 990 (50)	50# sk	$83.59		24	24				
OPTI - MUL	gal	$10.75		220	165	55	$591.25	55	$591.25
OPTI - WET	gal	$8.34		275	220	55	$458.70	55	$458.70
NEW PHALT	50# sk	$38.72		190	190				
OIL SORB (25)	25# sk	$4.75		40	30	10	$47.50	10	$47.50
NEW CARB (M)	50# sk	$5.25		160	160				
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05		221	221				
MAGMAFIBER R (30)	30# sk	$28.05		38	38				
VARISEAL	50# sk	$26.50		80	80				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04		80	80				
NEW WATE (SACK BARITE)	100# sk	$11.50		180	180				
BARITE BULK (100)	100# sk	$7.00	819	698	1517				
OPTI DRILL (OBM)	bbl	$65.00	1845	-662	1183				
DISCOUNTED OBM	bbl	$15.00		573	573				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	12	$11,100.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	12	$360.00
ENGINEERING (MILES)	each	$1.00						1049	$1,049.00
TRUCKING (cwt)	each	$2.65						819	$2,170.35
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							

Daily Sub-Total $4,171.97	Cumulative Total $18,901.96	$18,901.96

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/18/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	248	Report #6

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		150	150				
Diesel Transfer from B 1H	gal	$1.63		6372	5952	420	$684.60	420	$684.60
Diesel Received 12-17-18	gal	$1.66		10900	10900				

Daily Sub-Total $684.60

$684.60

Cumulative Total AES & 3rd Party $19,586.56

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	FAT TIRE A-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	12/18/20	12/19/20	12/20/20	12/21/20	12/22/20	12/23/20	12/24/20	12/25/20	12/26/20	12/27/20	12/28/20	12/29/20	12/30/20	12/31/20	1/1/21	1/2/21	1/3/21	1/4/21	1/5/21	1/6/21	1/7/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8																				
Grand Totals	Starting Depth	3,105	3,201																			
	Ending Depth	3,201																				
96	Footage Drilled	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	New Hole Vol.	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	329	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150
6	Chemical Additions	6																				
13	Base Fluid Added	13																				
-	Barite Increase	-																				
1,813	Weighted Mud Added	1,813																				
-	Slurry Added	-																				
-	Water Added	-																				
-	Added for Washout	-																				
1,831	Total Additions	1,831	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses	-																				
-	Formation Loss	-																				
10	Mud Loss to Cuttings	10																				
-	Unrecoverable Volume	-																				
-	Centrifuge Losses	-																				
10	Total Losses	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,150	Ending System Volume	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150
-	Mud Recovered																					

	Comments:	Comments:	Comments:
	12/18/20 Skid from the B 1H. Nipple up test BOP's. Pick up new BHA, TIH, drill out shoe track perform FIT. Start drilling Intermediate. 800gpm, 1150ROP.	12/25/20	1/1/21
2,142	12/19/20	12/26/20	1/2/21
	12/20/20	12/27/20	1/3/21
	12/21/20	12/28/20	1/4/21
	12/22/20	12/29/20	1/5/21
	12/23/20	12/30/20	1/6/21
	12/24/20	12/31/20	1/7/21

12/18/2020 **Report 6 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

0.8° **7,111' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**		**7,187 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**438 ft/hr**	**DRILLING**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**788 gpm**	**4,264 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10.6	**5-20**	**5-15**	**>350**	**±240K**	**<10 <20**	**<10**

MUD PROPERTIES				
Time Sample Taken		2:00		15:30
Sample Location		suction		shaker
Flowline Temperature °F				138 °F
Depth (ft)		3,105'		7,187'
Mud Weight (ppg)		9.3		9.4
Funnel Vis (sec/qt)	@ 110 °F	60		43
600 rpm		28		30
300 rpm		18		20
200 rpm		15		16
100 rpm		10		11
6 rpm		5		7
3 rpm		4		6
Plastic Viscosity (cp)	@ 150 °F	10		10
Yield Point (lb/100 ft²)	T0 = 3	8		10
Gel Strength (lb/100 ft²)	10 sec / 10 min	5/9		5/7
Gel Strength (lb/100 ft2)	30 min	14		11
HTHP Filtrate (cm/30 min)	@ 250 °F	10.0		8.4
HTHP Cake Thickness (32nds)		1.0		1.0
Retort Solids Content		10%		11%
Corrected Solids (vol%)		8%		9.1%
Retort Oil Content		65%		65%
Retort Water Content		25%		24%
O/W Ratio		72:28		73:27
Whole Mud Chlorides (mg/L)		50,000		49,000
Water Phase Salinity (ppm)		238,743		242,511
Whole Mud Alkalinity, Pom		2.0		1.5
Excess Lime (lb/bbl)		2.6 ppb		2 ppb
Electrical Stability (volts)		380 v		355 v
Average Specific Gravity of Solids		3.00		2.91
Percent Low Gravity Solids		5%		6.2%
ppb Low Gravity Solids		41 ppb		51 ppb
Percent Barite		3%		2.9%
ppb Barite		43 ppb		42 ppb
Estimated Total LCM in System				
Sample Taken By		A. ROMAN		

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	853 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	651 bbl	Stroke	12	Stroke	12	Stroke	12
Active	1504 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	1037 bbl	stk/min	123	stk/min	123	stk/min	
Tot. on Location	2541 bbl	gal/min	394	gal/min	394	gal/min	

Mud Wt. = 9.3 PV=10 YP=8 **CIRCULATION DATA** n = 0.637 K = 172.4

Bit Depth = 7,187 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.							
74.3 bbl	Volume to Bit	120.6 bbl	Strokes To Bit	1,580	Time To Bit	6 min
	Bottoms Up Vol.	530.2 bbl	BottomsUp Stks	6,947	BottomsUp Time	28 min
	TotalCirc.Vol.	1503.7 bbl	TotalCirc.Stks	19,706	Total Circ. Time	80 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	4,508'	
AGITATOR	6.750	2.500	30'	4,508'
Drill Pipe	5.000	4.276	2,072'	4,538'
Dir. BHA	7.750	2.500	577'	6,610'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	3,105'	
Int. Csg.				
Washout 1				
Washout 2				
Open Hole Size	10.369		7,187'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	3,105'	261.1	turb	9.90
10.369x5	4,508'	234.2	turb	10.16
10.369x6.75	4,538'	311.9	turb	10.57
10.369x5	6,610'	234.2	turb	10.62
10.369x7.75	7,187'	407.2	turb	10.99

BIT DATA Manuf./Type Ulterra/SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	3,105 ft	12.0	4,082 ft	340.2

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	
Shaker 2	140-80	
Shaker 3	140-80	
Dryer Shaker 3	140	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2150.4
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Est. Total on Location	2150.4
Est. Losses/Gains (-)/(+)	390.3

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.44	239 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
644 lbs	170			

Motor/MWD: 1,330 psi | Calc. Circ. Pressure: 3,591 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drilling 9-7/8" intermediate hole section. Mud wt gradualy increasing to 10.0 by section TD. Firm shale cuttings observed at shaker with occasional sand causing periodic screen blinding not as severe as the previous well. Adding diesel up to 20 bbls/hr for oil wetting of solids, and volume maintenance, OPTIMUL and lime for ES and OPTIG for wellbore stability. Pumping 10 bbls LCM sweep every 300'.

12/19/20 **Report #7**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.1° **9,669' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**6,544 ft**	**9,745 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**297 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**788 gpm**	**4,991 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10.6	**5-20**	**5-15**	**>350**	**±240K**	**<10 <20**	**<10**
				12/19/20		12/18/20
Time Sample Taken				2:00		15:30
Sample Location				suction		shaker
Flowline Temperature °F				142 °F		138 °F
Depth (ft)				9,448'		7,187'
Mud Weight (ppg)				9.8		9.4
Funnel Vis (sec/qt)			@ 88 °F	45		43
600 rpm				32		30
300 rpm				20		20
200 rpm				16		16
100 rpm				10		11
6 rpm				6		7
3 rpm				5		6
Plastic Viscosity (cp)			@ 150 °F	12		10
Yield Point (lb/100 ft²)			T0 = 4	8		10
Gel Strength (lb/100 ft²)			10 sec/10 min	6/11		5/7
Gel Strength (lb/100 ft^2)			30 min	14		11
HTHP Filtrate (cm/30 min)			@ 250 °F	7.0		8.4
HTHP Cake Thickness (32nds)				2.0		1.0
Retort Solids Content				13%		11%
Corrected Solids (vol%)				11.2%		9.1%
Retort Oil Content				65%		65%
Retort Water Content				22%		24%
O/W Ratio				75:25		73:27
Whole Mud Chlorides (mg/L)				46,000		49,000
Water Phase Salinity (ppm)				246,915		242,511
Whole Mud Alkalinity, Pom				1.8		1.5
Excess Lime (lb/bbl)				2.3 ppb		2 ppb
Electrical Stability (volts)				385 v		355 v
Average Specific Gravity of Solids				3.06		2.91
Percent Low Gravity Solids				6.6%		6.2%
ppb Low Gravity Solids				54 ppb		51 ppb
Percent Barite				4.6%		2.9%
ppb Barite				65 ppb		42 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	0

MUD VOLUME (BBL)

In Pits	596 bbl
In Hole	849 bbl
Active	1445 bbl
Storage	1256 bbl
Tot. on Location	2701 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	123
gal/min	394

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	123
gal/min	394

RISER BOOSTER

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

PHHP = 2296 **CIRCULATION DATA** n = 0.678 K = 148.626

Bit Depth = 9,745 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
90.9 bbl	Volume to Bit	166.0 bbl	Strokes To Bit	2,175	Time To Bit	9 min
	Bottoms Up Vol.	683.4 bbl	BottomsUp Stks	8,955	BottomsUp Time	36 min
	TotalCirc.Vol.	1445.4 bbl	TotalCirc.Stks	18,941	Total Circ. Time	77 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	7,066'	0'
AGITATOR	6.750	2.500	30'	7,066'
Drill Pipe	5.000	4.276	2,072'	7,096'
Dir. BHA	7.750	2.500	577'	9,168'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	3,105'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	9.974		9,745'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	3,105'	261.1	turb	10.29
9.974x5	7,066'	259.5	turb	10.39
9.974x6.75	7,096'	358.4	turb	10.64
9.974x5	9,168'	259.5	turb	10.75
9.974x7.75	9,745'	490.2	turb	11.03

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	24.0
Shaker 2	140-80	24.0
Shaker 3	140-80	24.0
Dryer Shaker 3	140	24.0
Centrifuge 1		12.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2150.4
Transferred In(+)/Out(-)	463.0
Oil Added (+)	408.9
Barite Added (+)	42.9
Other Product Usage (+)	38.1
Water Added (+)	240.0
Left on Cuttings (-)	-505.9
Non-Recoverable Vol. (-)	-86.0
Cent/Evap	-50.0
Est. Total on Location	2701.4
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.52	253 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
682 lbs	170			

BIT DATA Manuf./Type Ulterra/SPL613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	3,105 ft	23.0	6,640 ft	288.7	1,330 psi	4,223 psi

Remarks/Recommendations:

OBM RECEIVED: 2275bbls

OBM ON SURFACE--- 1852 bbls (Storage + Active)

OBM LOSS/GAIN-- Total (__+482bbls_)

Rig Activity:

On the Past 24hrs: Drilling ahead on intermediate section, Agressive additions of diesel/Water and chemicals for intermediate section, able to maintain losses at the shakers to a minimum, Change out Shaker screens due to wear & tear. Pump 10bbls of LCM 10ppg sweeps every 300' drilled, monitor returns on sweep. Transfer OBM from storage to sweep tank and Active system to maintain Volume. Increase MW to 9.5ppg and up to 9.8ppg. Continue sliding and rotating ahead with (800gpm / ROP's: 70-80 slide / 280-400 rotation). At this time: Drilling ahead passing 9836'. 800gpm / 3000ROP. Projected TD 9972'+-.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	WH #2	Rig Phone:
Mike Washburn	Adolfo Roman	MIDLAND			
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

	Daily Total	Cumulative Cost
	$18,569.54	**$37,471.50**
INCLUDING 3RD PARTY CHARGES	**$46,532.30**	**$66,118.86**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/19/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	248	Report #7

		DAILY USAGE & COST						CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						44	$1,960.64
PHPA LIQUID (pail)	5 gal	$41.36							
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
CACL2 (50)	50# sk	$14.32	270		158	112	$1,603.84	168	$2,405.76
LIME (50)	50# sk	$5.00	225		125	100	$500.00	125	$625.00
OPTI - G	50# sk	$30.59	200		120	80	$2,447.20	80	$2,447.20
BENTONE 38 (50)	50# sk	$163.94	36		36				
BENTONE 910 (50)	50# sk	$59.40	10			10	$594.00	14	$831.60
BENTONE 990 (50)	50# sk	$83.59	24		24				
OPTI - MUL	gal	$10.75	165		55	110	$1,182.50	165	$1,773.75
OPTI - WET	gal	$8.34	220		110	110	$917.40	165	$1,376.10
NEW PHALT	50# sk	$38.72	190		110	80	$3,097.60	80	$3,097.60
OIL SORB (25)	25# sk	$4.75	30		30			10	$47.50
NEW CARB (M)	50# sk	$5.25	160		100	60	$315.00	60	$315.00
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	221		161	60	$1,683.00	60	$1,683.00
MAGMAFIBER R (30)	30# sk	$28.05	38		38				
VARISEAL	50# sk	$26.50	80		80				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1517		900	617	$4,319.00	617	$4,319.00
OPTI DRILL (OBM)	bbl	$65.00	1183	618	1801				
DISCOUNTED OBM	bbl	$15.00	573	-155	418				
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						1049	$1,049.00
TRUCKING (cwt)	each	$2.65						819	$2,170.35
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $18,569.54			**Cumulative Total $37,471.50**			**$37,471.50**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/19/20	**MAGNOLIA OIL & GAS**	**FAT TIRE A-1H**	**248**	**Report #7**

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	150		150					
Diesel Transfer from B 1H	gal	$1.63	5952			5952	$9,701.76		6372	$10,386.36
Diesel Received 12-17-18	gal	$1.66	10900			10900	$18,094.00		10900	$18,094.00
Diesel Received 12-19-20	gal	$1.67		7000	6900	100	$167.00		100	$167.00
							Daily Sub-Total	**$27,962.76**		**$28,647.36**

Cumulative Total AES & 3rd Party $66,118.86

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	FAT TIRE A-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	12/18/20	12/19/20	12/20/20	12/21/20	12/22/20	12/23/20	12/24/20	12/25/20	12/26/20	12/27/20	12/28/20	12/29/20	12/30/20	12/31/20	1/1/21	1/2/21	1/3/21	1/4/21	1/5/21	1/6/21	1/7/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8																			
	Starting Depth	3,105	3,201	9,745																		
	Ending Depth	3,201	9,745																			
6,640	Footage Drilled	96	6,544	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
629	New Hole Vol.	9	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	329	2,150	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701
44	Chemical Additions	6	38																			
422	Base Fluid Added	13	409																			
43	Barite Increase	-	43																			
2,276	Weighted Mud Added	1,813	463																			
-	Slurry Added	-	-																			
240	Water Added	-	240																			
-	Added for Washout	-	-																			
3,024	Total Additions	1,831	1,193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses	-	-																			
-	Formation Loss	-	-																			
516	Mud Loss to Cuttings	10	506																			
86	Unrecoverable Volume	-	86																			
50	Centrifuge Losses	-	50																			
652	Total Losses	10	642	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,701	Ending System Volume	2,150	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701	2,701
-	Mud Recovered																					

2,605

Comments:		Comments:	Comments:
12/18/20	Skid from the B 1H. Nipple up test BOP's. Pick up new BHA, TIH, drill out shoe track perform FIT. Start drilling Intermediate. 800gpm, 1150ROP.	12/25/20	1/1/21
12/19/20	Drilling ahead on intermediate section. 800gpm, 400rop. Transfer mud from storage to active and sweeps.	12/26/20	1/2/21
12/20/20		12/27/20	1/3/21
12/21/20		12/28/20	1/4/21
12/22/20		12/29/20	1/5/21
12/23/20		12/30/20	1/6/21
12/24/20		12/31/20	1/7/21

12/19/2020

Report 7 pm

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

9.8° **3,859' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**		**9,937 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**		**POOH / LD DP**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**788 gpm**	

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10.6	**5-20**	**5-15**	**>350**	**±240K**	**<10 <20**	**<10**

MUD PROPERTIES				
Time Sample Taken		2:00		15:30
Sample Location		suction		suction
Flowline Temperature °F		142 °F		
Depth (ft)		9,448'		9,937'
Mud Weight (ppg)		9.8		10.0
Funnel Vis (sec/qt)	@ 120 °F	45		44
600 rpm		32		34
300 rpm		20		22
200 rpm		16		17
100 rpm		10		11
6 rpm		6		6
3 rpm		5		5
Plastic Viscosity (cp)	@ 150 °F	12		12
Yield Point (lb/100 ft²)	T0 = 4	8		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		13%		13.5%
Corrected Solids (vol%)		11.2%		11.7%
Retort Oil Content		65%		65.5%
Retort Water Content		22%		21%
O/W Ratio		75:25		76:24
Whole Mud Chlorides (mg/L)		46,000		47,000
Water Phase Salinity (ppm)		246,915		259,781
Whole Mud Alkalinity, Pom		1.8		1.9
Excess Lime (lb/bbl)		2.3 ppb		2.5 ppb
Electrical Stability (volts)		385 v		410 v
Average Specific Gravity of Solids		3.06		3.14
Percent Low Gravity Solids		6.6%		6.4%
ppb Low Gravity Solids		54 ppb		52 ppb
Percent Barite		4.6%		5.3%
ppb Barite		65 ppb		76 ppb
Estimated Total LCM in System				
Sample Taken By		A. ROMAN		M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	596 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	906 bbl	Stroke	12	Stroke	12	Stroke	12
Active	919 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	1256 bbl	stk/min	123	stk/min	123	stk/min	
Tot. on Location	2758 bbl	gal/min	394	gal/min	394	gal/min	

Mud Wt. = 9.8 PV=12 YP=8 **CIRCULATION DATA** n = 0.678 K = 148.6

Bit Depth = 3,906 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.							
52.9 bbl	Volume to Bit	62.3 bbl	Strokes To Bit	816	Time To Bit	3 min
	Bottoms Up Vol.	260.9 bbl	BottomsUp Stks	3,419	BottomsUp Time	14 min
	TotalCirc.Vol.	919.2 bbl	TotalCirc.Stks	12,045	Total Circ. Time	49 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	1,227'	
AGITATOR	6.750	2.500	30'	1,227'
Drill Pipe	5.000	4.276	2,072'	1,257'
Dir. BHA	7.750	2.500	577'	3,329'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	3,105'	
Int. Csg.				
Washout 1				
Washout 2				
Open Hole Size		9.974	9,937'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	1,227'	261.1	turb	10.04
9.95x6.75	1,257'	361.6	turb	10.05
9.95x5	3,105'	261.1	turb	10.05
9.974x5	3,329'	259.5	turb	10.05
9.974x7.75	3,906'	490.2	turb	10.27

BIT DATA Manuf./Type Ulterra/SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	3,105 ft	23.0	6,640 ft	288.7

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	
Shaker 2	140-80	
Shaker 3	140-80	
Dryer Shaker 3	140	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2701.4
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Cent/Evap	
Est. Total on Location	2701.4
Est. Losses/Gains (-)/(+)	56.6

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.52	253 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
682 lbs	170			

Motor/MWD	Calc. Circ. Pressure
1,330 psi	3,319 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drilling 9-7/8" intermediate hole section to TD at 9937 samples confirmed to be 100% AC, increase mud wt to 10.0, pump 3 X 30 bbls LCM sweeps, circulate out same, observe shale shakers to be free of cuttings. Pump slug pull out of hole laying down 4 1/2" DP. Refilling barite bulk tanks, OBM diesel tanks, and receiving 240 bbls 9.5 OBM from Newpark Madisonville. Trip depth at time of report is 3906.

12/20/20 **Report #8**

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

OUTSOURCE FLUID SOLUTIONS LLC.

10.8° **1,544' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**192 ft**	**9,937 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**35 ft/hr**	**Run Casing**
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
9-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**
				12/20/20		12/19/20
Time Sample Taken				2:00		15:30
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				9,937'		9,937'
Mud Weight (ppg)				10.2		10.0
Funnel Vis (sec/qt)			@ 70 °F	65		44
600 rpm				35		34
300 rpm				22		22
200 rpm				16		17
100 rpm				11		11
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	13		12
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	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%		13.5%
Corrected Solids (vol%)				12.2%		11.7%
Retort Oil Content				65%		65.5%
Retort Water Content				21%		21%
O/W Ratio				76:24		76:24
Whole Mud Chlorides (mg/L)				46,000		47,000
Water Phase Salinity (ppm)				255,667		259,781
Whole Mud Alkalinity, Pom				1.5		1.9
Excess Lime (lb/bbl)				2 ppb		2.5 ppb
Electrical Stability (volts)				420 v		410 v
Average Specific Gravity of Solids				3.25		3.14
Percent Low Gravity Solids				5.9%		6.4%
ppb Low Gravity Solids				48 ppb		52 ppb
Percent Barite				6.3%		5.3%
ppb Barite				90 ppb		76 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	580 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	5.25
In Hole	996 bbl	Stroke	12	Stroke	12	Stroke	12
Active	713 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0763
Storage	1399 bbl	stk/min	0	stk/min	0	stk/min	0
Tot. on Location	2975 bbl	gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA					
PHHP = 0				n = 0.670	K = 172.089
Bit Depth = 1,550 '		Washout = 5%		Pump Efficiency = 95%	
Drill String Disp.	Volume to Bit 71.2 bbl	Strokes To Bit		Time To Bit	
	Bottoms Up Vol. 61.5 bbl	BottomsUp Stks		BottomsUp Time	
16.4 bbl	TotalCirc.Vol. 712.7 bbl	TotalCirc.Stks		Total Circ. Time	

DRILLING ASSEMBLY DATA				
Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	7.625	6.875	1,550'	0'
				1,550'
				1,550'
				1,550'

CASING & HOLE DATA				
Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	3,105'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	10.369	9,937'		

ANNULAR GEOMETRY & RHEOLOGY				
annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x7.625	1,550'	0.0	lam	10.20

BIT DATA						
	Manuf./Type	Ulterra/SPL613				
Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	3,105 ft	28.0	6,842 ft	244.4	1,330 psi	

SOLIDS CONTROL		
Unit	Screens	Hours
Shaker 1	140-80	5.0
Shaker 2	140-80	5.0
Shaker 3	140-80	5.0
Dryer Shaker 3	140	5.0
Centrifuge 1		5.0

VOLUME ACCOUNTING (bbls)	
Prev. Total on Location	2701.4
Transferred In(+)/Out(-)	225.0
Oil Added (+)	116.7
Barite Added (+)	33.6
Other Product Usage (+)	0.0
Water Added (+)	0.0
Left on Cuttings (-)	-20.1
Non-Recoverable Vol. (-)	-50.0
Cent/Evap	-31.7
Est. Total on Location	2974.8
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	
		16	16	16	
0 lbs	0				

Remarks/Recommendations:

OBM RECEIVED: 2500bbls

OBM ON SURFACE--- 1991 bbls (Storage + Active)

OBM LOSS/GAIN-- Total (_bbls_)

Rig Activity:

On the Past 24hrs: Drilled Intermediate section to TD 9937' w/ 10ppg OBM. Circulate 3 sweeps for hole clean up, Pump slug and start POOH laying down Drill Pipe and BHA. Change out Rams to casing and test same with Rig pumps. Rig up Casing Running tools, Make up shoe track and start running Casing (7 5/8" / 29.7# / P110) in the hole. At this time: Running Intermediate Casing in the hole passing 2000'. Circulating active system reducing MW to 9.7ppg with Diesel and Centrifuge application.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	WH #2	Rig Phone:
Mike Washburn	Adolfo Roman	MIDLAND			
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

	Daily Total	Cumulative Cost
	$7,490.73	**$44,962.23**
INCLUDING 3RD PARTY CHARGES	**$15,673.73**	**$81,792.59**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/20/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	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						44	$1,960.64
PHPA LIQUID (pail)	5 gal	$41.36							
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
CACL2 (50)	50# sk	$14.32	158		158			168	$2,405.76
LIME (50)	50# sk	$5.00	125		125			125	$625.00
OPTI - G	50# sk	$30.59	120		120			80	$2,447.20
BENTONE 38 (50)	50# sk	$163.94	36		36				
BENTONE 910 (50)	50# sk	$59.40						14	$831.60
BENTONE 990 (50)	50# sk	$83.59	24		24				
OPTI - MUL	gal	$10.75	55		55			165	$1,773.75
OPTI - WET	gal	$8.34	110		110			165	$1,376.10
NEW PHALT	50# sk	$38.72	110		110			80	$3,097.60
OIL SORB (25)	25# sk	$4.75	30		30			10	$47.50
NEW CARB (M)	50# sk	$5.25	100		100			60	$315.00
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	161		161			60	$1,683.00
MAGMAFIBER R (30)	30# sk	$28.05	38		38				
VARISEAL	50# sk	$26.50	80		80				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	900	832	1250	482	$3,375.40	1099	$7,694.40
OPTI DRILL (OBM)	bbl	$65.00	1801	251	2052				
DISCOUNTED OBM	bbl	$15.00	418	-26	392				
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				832	$2,205.33	1651	$4,375.68
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							

Daily Sub-Total $7,490.73	Cumulative Total $44,962.23	$44,962.23

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/20/20	**MAGNOLIA OIL & GAS**	**FAT TIRE A-1H**	**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	150		150					
Diesel Transfer from B 1H	gal	$1.63							6372	$10,386.36
Diesel Received 12-17-18	gal	$1.66							10900	$18,094.00
Diesel Received 12-19-20	gal	$1.67	6900		2000	4900	$8,183.00		5000	$8,350.00
Diesel Received 12-20-20	gal	$1.68		14400	14400					
							Daily Sub-Total	**$8,183.00**		**$36,830.36**

Cumulative Total AES & 3rd Party $81,792.59

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	FAT TIRE A-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	12/18/20	12/19/20	12/20/20	12/21/20	12/22/20	12/23/20	12/24/20	12/25/20	12/26/20	12/27/20	12/28/20	12/29/20	12/30/20	12/31/20	1/1/21	1/2/21	1/3/21	1/4/21	1/5/21	1/6/21	1/7/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8																		
	Starting Depth	3,105	3,201	9,745	9,937																	
	Ending Depth	3,201	9,745	9,937																		
6,832	Footage Drilled	96	6,544	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
647	New Hole Vol.	9	620	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	329	2,150	2,701	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975
44	Chemical Additions	6	38	-																		
538	Base Fluid Added	13	409	117																		
77	Barite Increase	-	43	34																		
2,501	Weighted Mud Added	1,813	463	225																		
-	Slurry Added	-	-	-																		
240	Water Added	-	240	-																		
-	Added for Washout	-	-	-																		
3,399	Total Additions	1,831	1,193	375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses	-	-	-																		
-	Formation Loss	-	-	-																		
536	Mud Loss to Cuttings	10	506	20																		
136	Unrecoverable Volume	-	86	50																		
82	Centrifuge Losses	-	50	32																		
754	Total Losses	10	642	102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,975	Ending System Volume	2,150	2,701	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975	2,975
-	Mud Recovered																					

2,830

Comments:		Comments:	Comments:
12/18/20	Skid from the B 1H. Nipple up test BOP's. Pick up new BHA, TIH, drill out shoe track perform FIT. Start drilling Intermediate. 800gpm, 1150ROP.	12/25/20	1/1/21
12/19/20	Drilling ahead on intermediate section. 800gpm, 400rop. Transfer mud from storage to active and sweeps.	12/26/20	1/2/21
12/20/20	TD 9937', circulate hole clean, POOH lay down DP and BHA. Rig up Casing tools and run 7 5/8" casing in the hole. Cut MW in the pits back to 9.7ppg.	12/27/20	1/3/21
12/21/20		12/28/20	1/4/21
12/22/20		12/29/20	1/5/21
12/23/20		12/30/20	1/6/21
12/24/20		12/31/20	1/7/21

12/20/2020 **Report 8 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**		**9,937 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**		**CMT INT 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
9-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**

MUD PROPERTIES				
Time Sample Taken		2:00		16:00
Sample Location		suction		suction
Flowline Temperature °F				
Depth (ft)		9,937'		9,937'
Mud Weight (ppg)		10.2		9.7
Funnel Vis (sec/qt)	@ 110 °F	65		44
600 rpm		35		33
300 rpm		22		21
200 rpm		16		17
100 rpm		11		10
6 rpm		6		5
3 rpm		5		4
Plastic Viscosity (cp)	@ 150 °F	13		12
Yield Point (lb/100 ft²)	T0 = 4	9		9
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%		12.5%
Corrected Solids (vol%)		12.2%		10.7%
Retort Oil Content		65%		66.5%
Retort Water Content		21%		21%
O/W Ratio		76:24		76:24
Whole Mud Chlorides (mg/L)		46,000		45,500
Water Phase Salinity (ppm)		255,667		253,593
Whole Mud Alkalinity, Pom		1.5		1.4
Excess Lime (lb/bbl)		2 ppb		1.8 ppb
Electrical Stability (volts)		420 v		405 v
Average Specific Gravity of Solids		3.25		3.02
Percent Low Gravity Solids		5.9%		6.6%
ppb Low Gravity Solids		48 ppb		54 ppb
Percent Barite		6.3%		4.1%
ppb Barite		90 ppb		59 ppb
Estimated Total LCM in System				
Sample Taken By		A. ROMAN		M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	580 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
In Hole	456 bbl	Stroke	12	Stroke	12	Stroke	12
Active	580 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Storage	1828 bbl	stk/min		stk/min		stk/min	
Tot. on Location	2864 bbl	gal/min		gal/min		gal/min	

Mud Wt. = 10.2 PV=13 YP=9 **CIRCULATION DATA** n = 0.670 K = 172.1

Washout = 5% Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 580.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

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

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	3,105'	
Int. Csg.	7 5/8	6.875	9,924'	
Washout 1				
Washout 2				
Open Hole Size			9,937'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	
Shaker 2	140-80	
Shaker 3	140-80	
Dryer Shaker 3	140	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2974.8
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Cent/Evap	
Est. Total on Location	2974.8
Est. Losses/Gains (-)/(+)	-111.1

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
1,330 psi	#DIV/0!

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Run 7-5/8" 29.7# P10 intermediate casing to 9924, change mud pump liners from 5.25" to 4.75", reduce wt in surface system from 10.2 to 9.7 with additions of diesel and processing with centrifuge. Circulate casing capacity with full returns, rig up cementers, trest lines, pump 40 bbls spacer @ 11.0#, 225 bbls lead @ 11.8#, 78 bbls tail @ 16.2#, displace with 451 bbls 10.0# OBM, observe and isolate 31 bbls spacer / mud interface at surface, no cement at surface. Currently processing surface mud volume, reducing mud wt from 9.7# to 9.0# in preparation for drilling production hole section.

12/21/20 **Report #9**

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

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**0 ft**	**9,937 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**0 ft/hr**	**Test BOP's**
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
9-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**
				12/21/20		12/20/20
Time Sample Taken				2:00		16:00
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				9,937'		9,937'
Mud Weight (ppg)				9.4		9.7
Funnel Vis (sec/qt)			@ 75 °F	58		44
600 rpm				30		33
300 rpm				19		21
200 rpm				15		17
100 rpm				10		10
6 rpm				5		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	11		12
Yield Point (lb/100 ft²)			T0 = 3	8		9
Gel Strength (lb/100 ft²)			10 sec/10 min	5/10		6/10
Gel Strength (lb/100 ft²)			30 min	12		12
HTHP Filtrate (cm/30 min)			@ 250 °F	7.0		6.4
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				11%		12.5%
Corrected Solids (vol%)				9.2%		10.7%
Retort Oil Content				68%		66.5%
Retort Water Content				21%		21%
O/W Ratio				76:24		76:24
Whole Mud Chlorides (mg/L)				45,000		45,500
Water Phase Salinity (ppm)				251,507		253,593
Whole Mud Alkalinity, Pom				1.5		1.4
Excess Lime (lb/bbl)				2 ppb		1.8 ppb
Electrical Stability (volts)				435 v		405 v
Average Specific Gravity of Solids				3.05		3.02
Percent Low Gravity Solids				5.5%		6.6%
ppb Low Gravity Solids				45 ppb		54 ppb
Percent Barite				3.7%		4.1%
ppb Barite				53 ppb		59 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M Washburn

MUD VOLUME (BBL)

In Pits	684 bbl
In Hole	456 bbl
Active	684 bbl
Storage	1828 bbl
Tot. on Location	2968 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

PHHP = 0 **CIRCULATION DATA** n = 0.659 K = 159.065

Bit Depth = ' | Washout = 0% | Pump Efficiency = 95%

Drill String Disp.				
0.0 bbl	Volume to Bit	0.0 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	0.0 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol.	684.0 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	5.250	2.250		0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,105'	0'
Int. Csg.	7 5/8	6.875	9,924'	0'
Washout 1				
Washout 2				
Open Hole Size		6.750	9,937'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type Halli./GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	9,937 ft			

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2974.8
Transferred In(+)/Out(-)	
Oil Added (+)	118.1
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Non-Recoverable Vol. (-)	-50.0
Cent/Evap	-74.7
Est. Total on Location	2968.2
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

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

Remarks/Recommendations:

OBM RECEIVED: 2500bbls

OBM ON SURFACE--- 2512 bbls (Storage + Active)

OBM LOSS/GAIN-- Total (_bbls_)

Rig Activity:

On the Past 24hrs: Ran 7 5/8" Casing to bottom, Circulate 9.7ppg OBM, 9700stks (606bbls) with full returns at all times. transfer operations to Cement crew and pump Cement (40bbl spacer 11# / 225bbls Lead 11.8# / 78bbls Tail 16.2#), Displace Cement with 451bbls of 9ppg OBM from Storage, full returns while cementing. Discharge 31bbls of Contaminated (Spacer / OBM) at the shakers. Procceded to change out casing RAM's and Test BOP's for production drilling. At this time: Continue Testing BOP's, Repairs to Top Drive, Circulate Active pits while adding disel and running Centrifuge to reduce MW to 9.4ppg.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	WH #2	Rig Phone:
Mike Washburn	Adolfo Roman	MIDLAND			
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

Daily Total	Cumulative Cost
$1,910.00	**$46,872.23**
INCLUDING 3RD PARTY CHARGES	**$10,222.80**	**$92,015.39**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/21/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	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						44	$1,960.64
PHPA LIQUID (pail)	5 gal	$41.36							
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
CACL2 (50)	50# sk	$14.32	158		158			168	$2,405.76
LIME (50)	50# sk	$5.00	125		125			125	$625.00
OPTI - G	50# sk	$30.59	120		120			80	$2,447.20
BENTONE 38 (50)	50# sk	$163.94	36		36				
BENTONE 910 (50)	50# sk	$59.40						14	$831.60
BENTONE 990 (50)	50# sk	$83.59	24		24				
OPTI - MUL	gal	$10.75	55		55			165	$1,773.75
OPTI - WET	gal	$8.34	110		110			165	$1,376.10
NEW PHALT	50# sk	$38.72	110		110			80	$3,097.60
OIL SORB (25)	25# sk	$4.75	30		30			10	$47.50
NEW CARB (M)	50# sk	$5.25	100		100			60	$315.00
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	161		161			60	$1,683.00
MAGMAFIBER R (30)	30# sk	$28.05	38		38				
VARISEAL	50# sk	$26.50	80		80				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1250		1250			1099	$7,694.40
OPTI DRILL (OBM)	bbl	$65.00	2052		2052				
DISCOUNTED OBM	bbl	$15.00	392		392				
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						1651	$4,375.68
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $1,910.00			**Cumulative Total $46,872.23**			**$46,872.23**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/21/20	**MAGNOLIA OIL & GAS**	**FAT TIRE A-1H**	**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	150		150					
Diesel Transfer from B 1H	gal	$1.63							6372	$10,386.36
Diesel Received 12-17-18	gal	$1.66							10900	$18,094.00
Diesel Received 12-19-20	gal	$1.67	2000			2000	$3,340.00		7000	$11,690.00
Diesel Received 12-20-20	gal	$1.68	14400		11440	2960	$4,972.80		2960	$4,972.80
							Daily Sub-Total	**$8,312.80**		**$45,143.16**

Cumulative Total AES & 3rd Party $92,015.39

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	FAT TIRE A-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	12/18/20	12/19/20	12/20/20	12/21/20	12/22/20	12/23/20	12/24/20	12/25/20	12/26/20	12/27/20	12/28/20	12/29/20	12/30/20	12/31/20	1/1/21	1/2/21	1/3/21	1/4/21	1/5/21	1/6/21	1/7/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4																	
	Starting Depth	3,105	3,201	9,745	9,937	9,937																
	Ending Depth	3,201	9,745	9,937	9,937																	
6,832	Footage Drilled	96	6,544	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
647	New Hole Vol.	9	620	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	329	2,150	2,701	2,975	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968
44	Chemical Additions	6	38	-	-																	
656	Base Fluid Added	13	409	117	118																	
77	Barite Increase	-	43	34	-																	
2,501	Weighted Mud Added	1,813	463	225	-																	
-	Slurry Added	-	-	-	-																	
240	Water Added	-	240	-	-																	
-	Added for Washout	-	-	-	-																	
3,518	Total Additions	1,831	1,193	375	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	Surface Losses	-	-	-	50																	
-	Formation Loss	-	-	-	-																	
536	Mud Loss to Cuttings	10	506	20	-																	
136	Unrecoverable Volume	-	86	50	-																	
156	Centrifuge Losses	-	50	32	75																	
878	Total Losses	10	642	102	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,968	Ending System Volume	2,150	2,701	2,975	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968	2,968
-	Mud Recovered																					

2,830

Comments:		Comments:	Comments:
12/18/20	Skid from the B 1H. Nipple up test BOP's. Pick up new BHA, TIH, drill out shoe track perform FIT. Start drilling Intermediate. 800gpm, 1150ROP.	12/25/20	1/1/21
12/19/20	Drilling ahead on intermediate section. 800gpm, 400rop. Transfer mud from storage to active and sweeps.	12/26/20	1/2/21
12/20/20	TD 9937', circulate hole clean, POOH lay down DP and BHA. Rig up Casing tools and run 7 5/8" casing in the hole. Cut MW in the pits back to 9.7ppg.	12/27/20	1/3/21
12/21/20	Casing on Bottom, Circulate, full returns. Cement with full returns and discharge 31bbls of Spacer/OBM interface. Change rams, testing BOP's	12/28/20	1/4/21
12/22/20		12/29/20	1/5/21
12/23/20		12/30/20	1/6/21
12/24/20		12/31/20	1/7/21

12/21/2020 **Report 9 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

8.4° **5,213' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**		**9,937 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**		**P/U 4-1/2" DP**
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
9-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**

MUD PROPERTIES				
Time Sample Taken		2:00		13:00
Sample Location		suction		suction
Flowline Temperature °F				
Depth (ft)		9,937'		9,937'
Mud Weight (ppg)		9.4		9.4
Funnel Vis (sec/qt)	@ 80 °F	58		51
600 rpm		30		32
300 rpm		19		20
200 rpm		15		15
100 rpm		10		10
6 rpm		5		5
3 rpm		4		4
Plastic Viscosity (cp)	@ 150 °F	11		12
Yield Point (lb/100 ft²)	T0 = 3	8		8
Gel Strength (lb/100 ft²)	10 sec / 10 min	5/10		5/9
Gel Strength (lb/100 ft2)	30 min	12		12
HTHP Filtrate (cm/30 min)	@ 250 °F	7.0		7.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		11%		11%
Corrected Solids (vol%)		9.2%		9.2%
Retort Oil Content		68%		68%
Retort Water Content		21%		21%
O/W Ratio		76:24		76:24
Whole Mud Chlorides (mg/L)		45,000		45,500
Water Phase Salinity (ppm)		251,507		253,593
Whole Mud Alkalinity, Pom		1.5		1.5
Excess Lime (lb/bbl)		2 ppb		2 ppb
Electrical Stability (volts)		435 v		423 v
Average Specific Gravity of Solids		3.05		2.99
Percent Low Gravity Solids		5.5%		5.9%
ppb Low Gravity Solids		45 ppb		48 ppb
Percent Barite		3.7%		3.4%
ppb Barite		53 ppb		48 ppb
Estimated Total LCM in System				
Sample Taken By		A. ROMAN		M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	684 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
In Hole	427 bbl	Stroke	12	Stroke	12	Stroke	12
Active	898 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Storage	1828 bbl	stk/min		stk/min		stk/min	
Tot. on Location	2939 bbl	gal/min		gal/min		gal/min	

Mud Wt. = 9.4 PV=11 YP=8 **CIRCULATION DATA** n = 0.659 K = 159.1

Bit Depth = 5,279 ' | Washout = | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	75.1 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	138.5 bbl	BottomsUp Stks	BottomsUp Time
28.8 bbl	TotalCirc.Vol.	897.6 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	5,279'	
AGITATOR	5.000	2.000		5,279'
Drill Pipe	4.500	3.826		5,279'
Dir. BHA	5.250	2.250		5,279'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,105'	
Int. Csg.	7 5/8	6.875	9,924'	
Washout 1				
Washout 2				
Open Hole Size		6.750	9,937'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	5,279'		lam	9.44

BIT DATA Manuf./Type Halli./GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	9,937 ft				2,240 psi	2,329 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	
Shaker 2	140-80	
Shaker 3	140-80	
Dryer Shaker 3	140	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2968.2
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Cent/Evap	
Est. Total on Location	2968.2
Est. Losses/Gains (-)/(+)	-28.8

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:

Make up BHA, pick up 6-3/4" bit, mud motor, MWD and test - good. Pick up 4-1/2" drill pipe, monitor displacement in trip tank. Continue circulating surface mud system mixing with displacement hole volume to maintain 9.4 mud wt in surface when blended with 9.0 OBM in hole will result in a 9.2 drill out mud wt. Trip depth at time of report is 5345

12/22/20 **Report #10**

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

OUTSOURCE FLUID SOLUTIONS LLC.

34.2° **10,118' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**289 ft**	**10,226 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**72 ft/hr**	**Drilling Curve**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**394 gpm**	**4,540 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**
				12/22/20		12/21/20
Time Sample Taken				2:00		13:00
Sample Location				suction		suction
Flowline Temperature °F				135 °F		
Depth (ft)				10,050'		9,937'
Mud Weight (ppg)				9.2		9.4
Funnel Vis (sec/qt)			@ 80 °F	46		51
600 rpm				29		32
300 rpm				18		20
200 rpm				14		15
100 rpm				9		10
6 rpm				5		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	11		12
Yield Point (lb/100 ft²)			T0 = 3	7		8
Gel Strength (lb/100 ft²)			10 sec/10 min	5/10		5/9
Gel Strength (lb/100 ft^2)			30 min	14		12
HTHP Filtrate (cm/30 min)			@ 250 °F	7.0		7.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				10%		11%
Corrected Solids (vol%)				8.1%		9.2%
Retort Oil Content				67%		68%
Retort Water Content				23%		21%
O/W Ratio				74:26		76:24
Whole Mud Chlorides (mg/L)				48,000		45,500
Water Phase Salinity (ppm)				246,564		253,593
Whole Mud Alkalinity, Pom				2.1		1.5
Excess Lime (lb/bbl)				2.7 ppb		2 ppb
Electrical Stability (volts)				405 v		423 v
Average Specific Gravity of Solids				2.91		2.99
Percent Low Gravity Solids				5.5%		5.9%
ppb Low Gravity Solids				45 ppb		48 ppb
Percent Barite				2.6%		3.4%
ppb Barite				37 ppb		48 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M Washburn

MUD VOLUME (BBL)

In Pits	712 bbl
In Hole	411 bbl
Active	1123 bbl
Storage	1828 bbl
Tot. on Location	2951 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	4.75
Stroke	12
bbl/stk	0.0625
stk/min	0
gal/min	0

PHHP = 1042 **CIRCULATION DATA** n = 0.688 K = 125.689

Bit Depth = 10,226 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
58.2 bbl	Volume to Bit	144.0 bbl	Strokes To Bit	2,305	Time To Bit	15 min
	Bottoms Up Vol.	267.1 bbl	BottomsUp Stks	4,276	BottomsUp Time	29 min
	TotalCirc.Vol.	1123.1 bbl	TotalCirc.Stks	17,979	Total Circ. Time	120 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	7,516'	0'
AGITATOR	5.000	2.000	24'	7,516'
Drill Pipe	4.500	3.826	2,557'	7,539'
Dir. BHA	5.250	2.250	130'	10,096'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,105'	0'
Int. Csg.	7 5/8	6.875	9,924'	0'
Washout 1				
Washout 2				
Open Hole Size	6.818	10,226'		

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	7,516'	357.0	turb	10.11
6.875x5	7,539'	433.2	turb	10.17
6.875x4.5	9,924'	357.0	turb	10.20
6.818x4.5	10,096'	367.7	turb	10.26
6.818x5.25	10,226'	509.7	turb	10.34

BIT DATA Manuf./Type Halli./GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	9,937 ft	4.0	289 ft	72.3	2,240 psi	3,683 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	20.0
Shaker 2	140-80	20.0
Shaker 3	140-80	20.0
Dryer Shaker 3	140	20.0
Centrifuge 1		4.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2968.2
Transferred In(+)/Out(-)	
Oil Added (+)	33.1
Barite Added (+)	0.0
Other Product Usage (+)	7.4
Water Added (+)	
Left on Cuttings (-)	-13.0
Non-Recoverable Vol. (-)	-28.6
Cent/Evap	-16.0
Est. Total on Location	2951.1
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.38	59 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
159 lbs	85			

Remarks/Recommendations:

OBM RECEIVED: 2500bbls

OBM ON SURFACE--- 2512 bbls (Storage + Active)

OBM LOSS/GAIN-- Total (_bbls_)

Rig Activity:

On the Past 24hrs: Finish testing BOP's and all surface well control equipment. Pick up and make up new Directional BHA & 6.75" Halliburton Bit. Pick up 4" DP from ground level and TIH to 9500'. At this point Perform Rig Service and Slip and Cut Drill line. Continue TIH and tag top of the float collar @9833', drill out float equpment + cement, shoe @9924' continue with 10' of new formation and circulate BU. Perform FIT to 13EMW / 1964psi. Test Good. Resume Drilling operations on curve section. Maintain MW 9.1ppg. At this time: Continue drilling / sliding ahead pasing 10,244' / 30deg/incl. / 330Azu. Pump rate 400gpm.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	WH #2	Rig Phone:
Mike Washburn	Adolfo Roman	MIDLAND			
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

Daily Total	Cumulative Cost
$3,743.12	**$50,615.35**
INCLUDING 3RD PARTY CHARGES	**$5,937.20**	**$97,952.59**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/22/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	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						44	$1,960.64
PHPA LIQUID (pail)	5 gal	$41.36							
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
CACL2 (50)	50# sk	$14.32	158		102	56	$801.92	224	$3,207.68
LIME (50)	50# sk	$5.00	125		75	50	$250.00	175	$875.00
OPTI - G	50# sk	$30.59	120		120			80	$2,447.20
BENTONE 38 (50)	50# sk	$163.94	36		36				
BENTONE 910 (50)	50# sk	$59.40						14	$831.60
BENTONE 990 (50)	50# sk	$83.59	24		24				
OPTI - MUL	gal	$10.75	55		25	30	$322.50	195	$2,096.25
OPTI - WET	gal	$8.34	110		55	55	$458.70	220	$1,834.80
NEW PHALT	50# sk	$38.72	110		110			80	$3,097.60
OIL SORB (25)	25# sk	$4.75	30		30			10	$47.50
NEW CARB (M)	50# sk	$5.25	100		100			60	$315.00
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	161		161			60	$1,683.00
MAGMAFIBER R (30)	30# sk	$28.05	38		38				
VARISEAL	50# sk	$26.50	80		80				
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1250		1250			1099	$7,694.40
OPTI DRILL (OBM)	bbl	$65.00	2052		2052				
DISCOUNTED OBM	bbl	$15.00	392		392				
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						1651	$4,375.68
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $3,743.12			**Cumulative Total $50,615.35**			**$50,615.35**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/22/20	**MAGNOLIA OIL & GAS**	**FAT TIRE A-1H**	**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	150		150					
Diesel Transfer from B 1H	gal	$1.63							6372	$10,386.36
Diesel Received 12-17-18	gal	$1.66							10900	$18,094.00
Diesel Received 12-19-20	gal	$1.67							7000	$11,690.00
Diesel Received 12-20-20	gal	$1.68	11440		10134	1306	$2,194.08		4266	$7,166.88
Diesel Received 12-21-20	gal	$1.69		4700	4700					
							Daily Sub-Total	**$2,194.08**		**$47,337.24**

Cumulative Total AES & 3rd Party $97,952.59

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	FAT TIRE A-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	12/18/20	12/19/20	12/20/20	12/21/20	12/22/20	12/23/20	12/24/20	12/25/20	12/26/20	12/27/20	12/28/20	12/29/20	12/30/20	12/31/20	1/1/21	1/2/21	1/3/21	1/4/21	1/5/21	1/6/21	1/7/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4																
	Starting Depth	3,105	3,201	9,745	9,937	9,937	10,226															
	Ending Depth	3,201	9,745	9,937	9,937	10,226																
7,121	Footage Drilled	96	6,544	192	-	289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
660	New Hole Vol.	9	620	18	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	329	2,150	2,701	2,975	2,968	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951
52	Chemical Additions	6	38	-	-	7																
689	Base Fluid Added	13	409	117	118	33																
77	Barite Increase	-	43	34	-	-																
2,501	Weighted Mud Added	1,813	463	225	-	-																
-	Slurry Added	-	-	-	-	-																
240	Water Added	-	240	-	-	-																
-	Added for Washout	-	-	-	-	-																
3,558	Total Additions	1,831	1,193	375	118	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79	Surface Losses	-	-	-	50	29																
-	Formation Loss	-	-	-	-	-																
549	Mud Loss to Cuttings	10	506	20	-	13																
136	Unrecoverable Volume	-	86	50	-	-																
172	Centrifuge Losses	-	50	32	75	16																
936	Total Losses	10	642	102	125	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,951	Ending System Volume	2,150	2,701	2,975	2,968	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951	2,951
-	Mud Recovered																					

2,830

Comments:		Comments:	Comments:
12/18/20	Skid from the B 1H. Nipple up test BOP's. Pick up new BHA, TIH, drill out shoe track perform FIT. Start drilling Intermediate. 800gpm, 1150ROP.	12/25/20	1/1/21
12/19/20	Drilling ahead on intermediate section. 800gpm, 400rop. Transfer mud from storage to active and sweeps.	12/26/20	1/2/21
12/20/20	TD 9937', circulate hole clean, POOH lay down DP and BHA. Rig up Casing tools and run 7 5/8" casing in the hole. Cut MW in the pits back to 9.7ppg.	12/27/20	1/3/21
12/21/20	Casing on Bottom, Circulate, full returns. Cement with full returns and discharge 31bbls of Spacer/OBM interface. Change rams, testing BOP's	12/28/20	1/4/21
12/22/20	Pick up DP, tag float collar. Drill out shoe track + 10' new formation. FIT to 13EMW. Resume drilling on curve section.	12/29/20	1/5/21
12/23/20		12/30/20	1/6/21
12/24/20		12/31/20	1/7/21

12/22/2020 **Report 10 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

94.6° **10,451' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**		**11,266 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**250 ft/hr**	**DRLG LATERAL**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**320 gpm**	**3,625 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**

MUD VOLUME (BBL)

In Pits	712 bbl
In Hole	452 bbl
Active	1164 bbl
Storage	1828 bbl
Tot. on Location	2992 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	60
gal/min	157

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	62
gal/min	163

RISER BOOSTER

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

MUD PROPERTIES

Time Sample Taken	2:00		13:00
Sample Location	suction		suction
Flowline Temperature °F	135 °F		140 °F
Depth (ft)	10,050'		11,266'
Mud Weight (ppg)	9.2		8.9
Funnel Vis (sec/qt) @ 123 °F	46		45
600 rpm	29		28
300 rpm	18		20
200 rpm	14		18
100 rpm	9		10
6 rpm	5		5
3 rpm	4		4
Plastic Viscosity (cp) @ 150 °F	11		8
Yield Point (lb/100 ft²) T0 = 3	7		12
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/10		5/9
Gel Strength (lb/100 ft2) 30 min	14		12
HTHP Filtrate (cm/30 min) @ 250 °F	7.0		6.5
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	10%		9%
Corrected Solids (vol%)	8.1%		7.3%
Retort Oil Content	67%		70%
Retort Water Content	23%		21%
O/W Ratio	74:26		77:23
Whole Mud Chlorides (mg/L)	48,000		43,000
Water Phase Salinity (ppm)	246,564		243,046
Whole Mud Alkalinity, Pom	2.1		1.5
Excess Lime (lb/bbl)	2.7 ppb		2 ppb
Electrical Stability (volts)	405 v		423 v
Average Specific Gravity of Solids	2.91		2.76
Percent Low Gravity Solids	5.5%		5.6%
ppb Low Gravity Solids	45 ppb		46 ppb
Percent Barite	2.6%		1.7%
ppb Barite	37 ppb		25 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M Washburn

CIRCULATION DATA

Mud Wt. = 9.2 PV=11 YP=7 n = 0.688 K = 125.7

Bit Depth = 11,266 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
63.9 bbl	Volume to Bit	158.7 bbl	Strokes To Bit	2,541	Time To Bit	21 min
	Bottoms Up Vol.	293.6 bbl	BottomsUp Stks	4,700	BottomsUp Time	39 min
	TotalCirc.Vol.	1164.4 bbl	TotalCirc.Stks	18,640	Total Circ. Time	153 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	8,556'	
AGITATOR	5.000	2.000	24'	8,556'
Drill Pipe	4.500	3.826	2,557'	8,579'
Dir. BHA	5.250	2.250	130'	11,136'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,105'	
Int. Csg.	7 5/8	6.875	9,924'	
Washout 1				
Washout 2				
Open Hole Size	6.818		11,266'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	8,556'	290.4	turb	10.05
6.875x5	8,579'	352.3	turb	10.30
6.875x4.5	9,924'	290.4	turb	10.48
6.818x4.5	11,136'	299.0	turb	10.74
6.818x5.25	11,266'	414.6	turb	11.02

BIT DATA Manuf./Type Halli./GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	9,937 ft	4.0	289 ft	72.3

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	
Shaker 2	140-80	
Shaker 3	140-80	
Dryer Shaker 3	140	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2951.1
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Cent/Evap	
Est. Total on Location	2951.1
Est. Losses/Gains (-)/(+)	41.3

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.20	39 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
105 lbs	69			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,333 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drilling 6-3/4" lateral hole section, curve landed at 10917 MD, 10465 TVD, 80.2 INCL, samples are 100% AC. After landing curve start losing circulation at up to 60 bbls / Hr. Reduce mud wt from 9.2 to 8.8 with additions of diesel and application of centrifuge, pumping LCM sweeps. Simultaneously mixing 400 bbls of 16.0 kill mud for another operator on a nearby production well that is experiencing a well control event, Fayette County sheriff and deputies were on location to escort vacuum trucks. Newpark Madisonville WH mixing 16.0 kill mud and 9.0 OBM for Patterson 248.

12/23/20 **Report #11**

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

OUTSOURCE FLUID SOLUTIONS LLC.

92.1° **10,456' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**2,009 ft**	**12,235 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**100 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**	**302 gpm**	**3,600 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**
				12/23/20		12/22/20
Time Sample Taken				2:00		13:00
Sample Location				suction		suction
Flowline Temperature °F				140 °F		140 °F
Depth (ft)				12,123'		11,266'
Mud Weight (ppg)				8.8		8.9
Funnel Vis (sec/qt)			@ 110 °F	42		45
600 rpm				24		28
300 rpm				16		20
200 rpm				12		18
100 rpm				9		10
6 rpm				5		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	8		8
Yield Point (lb/100 ft²)			T0 = 3	8		12
Gel Strength (lb/100 ft²)			10 sec/10 min	4/8		5/9
Gel Strength (lb/100 ft^2)			30 min	11		12
HTHP Filtrate (cm/30 min)			@ 250 °F	10.0		6.5
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				8%		9%
Corrected Solids (vol%)				6.2%		7.3%
Retort Oil Content				72%		70%
Retort Water Content				20%		21%
O/W Ratio				78:22		77:23
Whole Mud Chlorides (mg/L)				44,000		43,000
Water Phase Salinity (ppm)				256,494		243,046
Whole Mud Alkalinity, Pom				1.8		1.5
Excess Lime (lb/bbl)				2.3 ppb		2 ppb
Electrical Stability (volts)				452 v		423 v
Average Specific Gravity of Solids				2.91		2.76
Percent Low Gravity Solids				4.2%		5.6%
ppb Low Gravity Solids				35 ppb		46 ppb
Percent Barite				2%		1.7%
ppb Barite				29 ppb		25 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M Washburn

MUD VOLUME (BBL)

In Pits	806 bbl
In Hole	496 bbl
Active	1258 bbl
Storage	1668 bbl
Tot. on Location	2970 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	57
gal/min	150

PUMP #2

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

RISER BOOSTER

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

PHHP = 634 **CIRCULATION DATA** n = 0.585 K = 212.503

Bit Depth = 11,266 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.							
63.9 bbl	Volume to Bit	158.7 bbl	Strokes To Bit	2,541	Time To Bit	22 min
	Bottoms Up Vol.	293.6 bbl	BottomsUp Stks	4,700	BottomsUp Time	41 min
	TotalCirc.Vol.	1258.4 bbl	TotalCirc.Stks	20,145	Total Circ. Time	175 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	8,556'	0'
AGITATOR	5.000	2.000	24'	8,556'
Drill Pipe	4.500	3.826	2,557'	8,579'
Dir. BHA	5.250	2.250	130'	11,136'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,105'	0'
Int. Csg.	7 5/8	6.875	9,924'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	12,235'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	8,556'	273.7	turb	9.39
6.875x5	8,579'	332.1	turb	9.50
6.875x4.5	9,924'	273.7	turb	9.59
6.818x4.5	11,136'	281.9	turb	9.72
6.818x5.25	11,266'	390.8	turb	9.85

BIT DATA Manuf./Type Halli./GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	9,937 ft	24.0	2,298 ft	95.8

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	24.0
Shaker 2	140-80	24.0
Shaker 3	140-80	24.0
Dryer Shaker 3	140	24.0
Centrifuge 1		12.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2951.1
Transferred In(+)/Out(-)	1141.0
Oil Added (+)	247.2
Barite Added (+)	72.5
Other Product Usage (+)	3.3
Water Added (+)	103.0
Left on Cuttings (-)	-90.7
16# Send to Production	-400.0
Lost To Formation	-1057.2
Est. Total on Location	2970.1
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.16	33 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
89 lbs	65			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,122 psi

Remarks/Recommendations:

OBM RECEIVED: 3641bbls

OBM ON SURFACE--- 2512 bbls (Storage + Active)

OBM LOSS/GAIN-- Total (_1057bbls_)

400bbls of 16# build and transfer to Production site near Fayettville…

Rig Activity:

On the Past 24hrs:Drilling ahead on Lateral sectio. Curve landed 10917' MD./ 10465' TVD. Continue on lateral section. Mud Losses to formation noted 150' into lateral (60bbl/hr). Decrease Density to 9.2ppg and down to 8.8ppg with additions of Diesel and Centrifuge application. LCM sweeps @20ppb, pumped 40bbls every 100', Losses continue as drilling ahead, Up to 100bbl/hr. Reduce Pump rate to 330gpm continue drilling to 11778'. At this depth stop drilling and circulate with 1 pump @157gpm, to top off Active system and build LCM 30ppb Sweep. Active system toped off, resume drilling at 300gpm. Losses decrease to 30bbl/hr +- / Additions of Diesel & Water (4.5bbl/hr ea.), OBM (11bbl/hr) and 1ppb LCM to Suction pits in Active system. At this time: Continue drilling ahead pasing 12344'MD

Eng. 1:	Eng. 2:	WH 1:	WH 2:	WH #2	Rig Phone:
Mike Washburn	Adolfo Roman	MIDLAND			
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	2	1

	Daily Total	Cumulative Cost
	$48,126.35	**$98,741.70**
INCLUDING 3RD PARTY CHARGES	**$70,998.09**	**$168,950.68**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/23/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	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						44	$1,960.64
PHPA LIQUID (pail)	5 gal	$41.36							
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
CACL2 (50)	50# sk	$14.32	102		102			224	$3,207.68
LIME (50)	50# sk	$5.00	75		75			175	$875.00
OPTI - G	50# sk	$30.59	120		120			80	$2,447.20
BENTONE 38 (50)	50# sk	$163.94	36		36				
BENTONE 910 (50)	50# sk	$59.40						14	$831.60
BENTONE 990 (50)	50# sk	$83.59	24		24				
OPTI - MUL	gal	$10.75	25		25			195	$2,096.25
OPTI - WET	gal	$8.34	55		55			220	$1,834.80
NEW PHALT	50# sk	$38.72	110		110			80	$3,097.60
OIL SORB (25)	25# sk	$4.75	30		30			10	$47.50
NEW CARB (M)	50# sk	$5.25	100		100			60	$315.00
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	161		100	61	$1,711.05	121	$3,394.05
MAGMAFIBER R (30)	30# sk	$28.05	38		38				
VARISEAL	50# sk	$26.50	80		50	30	$795.00	30	$795.00
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1250	1242	1450	1042	$7,294.00	2141	$14,988.40
OPTI DRILL (OBM)	bbl	$65.00	2052	1141	2715	478	$31,070.00	478	$31,070.00
DISCOUNTED OBM	bbl	$15.00	392		255	137	$2,055.00	137	$2,055.00
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				1242	$3,291.30	2893	$7,666.98
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							

Daily Sub-Total $48,126.35	Cumulative Total $98,741.70	$98,741.70

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/23/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	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	150	300	350	100	$4,175.00	100	$4,175.00
TURBO CHEM / SYNSEAL	25# sk	$41.75		100	70	30	$1,252.50	30	$1,252.50
Diesel Transfer from B 1H	gal	$1.63						6372	$10,386.36
Diesel Received 12-17-18	gal	$1.66						10900	$18,094.00
Diesel Received 12-19-20	gal	$1.67						7000	$11,690.00
Diesel Received 12-20-20	gal	$1.68	10134			10134	$17,025.12	14400	$24,192.00
Diesel Received 12-21-20	gal	$1.69	4700		4452	248	$419.12	248	$419.12
Diesel Received 12-22-20	gal	$1.65		7200	7200				

Daily Sub-Total $22,871.74

$70,208.98

Cumulative Total AES & 3rd Party $168,950.68

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	FAT TIRE A-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	12/18/20	12/19/20	12/20/20	12/21/20	12/22/20	12/23/20	12/24/20	12/25/20	12/26/20	12/27/20	12/28/20	12/29/20	12/30/20	12/31/20	1/1/21	1/2/21	1/3/21	1/4/21	1/5/21	1/6/21	1/7/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4															
	Starting Depth	3,105	3,201	9,745	9,937	9,937	10,226	12,235														
	Ending Depth	3,201	9,745	9,937	9,937	10,226	12,235															
9,130	Footage Drilled	96	6,544	192	-	289	2,009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
749	New Hole Vol.	9	620	18	-	13	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	329	2,150	2,701	2,975	2,968	2,951	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970
55	Chemical Additions	6	38	-	-	7	3															
937	Base Fluid Added	13	409	117	118	33	247															
149	Barite Increase	-	43	34	-	-	73															
3,642	Weighted Mud Added	1,813	463	225	-	-	1,141															
-	Slurry Added	-	-	-	-	-	-															
343	Water Added	-	240	-	-	-	103															
-	Added for Washout	-	-	-	-	-	-															
5,125	Total Additions	1,831	1,193	375	118	41	1,567	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79	Surface Losses	-	-	-	50	29	-															
1,057	Formation Loss	-	-	-	-	-	1,057															
640	Mud Loss to Cuttings	10	506	20	-	13	91															
136	Unrecoverable Volume	-	86	50	-	-	-															
172	Centrifuge Losses	-	50	32	75	16	-															
2,084	Total Losses	10	642	102	125	58	1,148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
400	Mud Transferred Out						400															
2,970	Ending System Volume	2,150	2,701	2,975	2,968	2,951	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970	2,970
-	Mud Recovered																					

3,571

Comments:		Comments:	Comments:
12/18/20	Skid from the B 1H. Nipple up test BOP's. Pick up new BHA, TIH, drill out shoe track perform FIT. Start drilling Intermediate. 800gpm, 1150ROP.	12/25/20	1/1/21
12/19/20	Drilling ahead on intermediate section. 800gpm, 400rop. Transfer mud from storage to active and sweeps.	12/26/20	1/2/21
12/20/20	TD 9937', circulate hole clean, POOH lay down DP and BHA. Rig up Casing tools and run 7 5/8" casing in the hole. Cut MW in the pits back to 9.7ppg.	12/27/20	1/3/21
12/21/20	Casing on Bottom, Circulate, full returns. Cement with full returns and discharge 31bbls of Spacer/OBM interface. Change rams, testing BOP's	12/28/20	1/4/21
12/22/20	Pick up DP, tag float collar. Drill out shoe track + 10' new formation. FIT to 13EMW. Resume drilling on curve section.	12/29/20	1/5/21
12/23/20	Drilling ahead into lateral. Loosing OBM into formation. Pumping 30ppb LCM every connection, and adding LCM to active system	12/30/20	1/6/21
12/24/20		12/31/20	1/7/21

12/23/2020 **Report 11 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

93.6° **10,342' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**1,055 ft**	**13,290 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**229 ft/hr**	**Drilled Depth**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / JIM HARRISON	**Tool Pusher**	**GIDDIGNS**	**OBM**	**331 gpm**	**3,264 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**

MUD PROPERTIES				
Time Sample Taken		2:00		12:00
Sample Location		suction		suction
Flowline Temperature °F		140 °F		140 °F
Depth (ft)		12,123'		13,290'
Mud Weight (ppg)		8.8		8.6
Funnel Vis (sec/qt)	@ 110 °F	42		41
600 rpm		24		22
300 rpm		16		15
200 rpm		12		12
100 rpm		9		9
6 rpm		5		5
3 rpm		4		4
Plastic Viscosity (cp)	@ 150 °F	8		7
Yield Point (lb/100 ft²)	T0 = 3	8		8
Gel Strength (lb/100 ft²)	10 sec / 10 min	4/8		4/8
Gel Strength (lb/100 ft2)	30 min	11		10
HTHP Filtrate (cm/30 min)	@ 250 °F	10.0		8.8
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		8%		7%
Corrected Solids (vol%)		6.2%		5.1%
Retort Oil Content		72%		69%
Retort Water Content		20%		24%
O/W Ratio		78:22		74:26
Whole Mud Chlorides (mg/L)		44,000		49,000
Water Phase Salinity (ppm)		256,494		242,511
Whole Mud Alkalinity, Pom		1.8		1.5
Excess Lime (lb/bbl)		2.3 ppb		2 ppb
Electrical Stability (volts)		452 v		390 v
Average Specific Gravity of Solids		2.91		2.66
Percent Low Gravity Solids		4.2%		4.2%
ppb Low Gravity Solids		35 ppb		35 ppb
Percent Barite		2%		0.9%
ppb Barite		29 ppb		13 ppb
Estimated Total LCM in System				
Sample Taken By		A. ROMAN		M.Meehan

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	737 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
In Hole	533 bbl	Stroke	12	Stroke	12	Stroke	12
Active	1270 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Storage	1668 bbl	stk/min	62	stk/min	64	stk/min	
Tot. on Location	2938 bbl	gal/min	163	gal/min	168	gal/min	

Mud Wt. = 8.8 PV=8 YP=8 **CIRCULATION DATA** n = 0.585 K = 212.5

Bit Depth = 13,290 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.					
74.9 bbl	Volume to Bit	187.5 bbl	Strokes To Bit	3,002	Time To Bit 24 min
	Bottoms Up Vol.	345.2 bbl	BottomsUp Stks	5,526	BottomsUp Time 44 min
	TotalCirc.Vol.	1269.7 bbl	TotalCirc.Stks	20,327	Total Circ. Time 161 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	10,580'	
AGITATOR	5.000	2.000	24'	10,580'
Drill Pipe	4.500	3.826	2,557'	10,603'
Dir. BHA	5.250	2.250	130'	13,160'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,105'	
Int. Csg.	7 5/8	6.875	9,924'	
Washout 1				
Washout 2				
Open Hole Size	6.818		13,290'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	9,924'	299.9	turb	9.59
6.818x4.5	10,580'	308.8	turb	9.83
6.818x5	10,603'	377.1	turb	10.06
6.818x4.5	13,160'	308.8	turb	10.46
6.818x5.25	13,290'	428.2	turb	10.72

BIT DATA Manuf./Type Halli./GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	9,937 ft	24.0	2,298 ft	95.8	2,240 psi	3,441 psi

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2970.1
Transferred In(+)/Out(-)	
Oil Added (+)	72.7
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	-38.1
16# Send to Production	
Lost To Formation	-67.0
Est. Total on Location	2937.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.21	40 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
107 lbs	71			

Afternoon Remarks/Recommendations:

Pump 20 bbl sweep every connection. Sweep Contains:

10 ppb First Response, 10 ppb magnafiber and 10 ppb Veriseal

Afternoon Rig Activity:

Drilling 6-3/4" lateral hole section. Reduced mud wt. to 8.6 ppg. Losses slowed to seepage of 3-5 bbl/hr. Continue to pump 20 bbl LCM sweeps every connection. Adding Optimul and Lime to increase the emulsion. Adding Bentone 38 and Bentone 990 to increase the Yield Point and 6/3 RPM readings. Adding Opt-G to lower the HTHP fluid loss.

12/24/20 **Report #12**

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

OUTSOURCE FLUID SOLUTIONS LLC.

90.1° **10,245' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**2,828 ft**	**15,063 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**135 ft/hr**	**Drilled Depth**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
KEVIN BURT / BOBBY GWIN	**Tool Pusher**	**GIDDIGNS**	**OBM**	**386 gpm**	**4,130 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**
				12/24/20		12/22/20
Time Sample Taken				2:00		12:00
Sample Location				suction		suction
Flowline Temperature °F				140 °F		140 °F
Depth (ft)				14,804'		13,290'
Mud Weight (ppg)				8.6		8.6
Funnel Vis (sec/qt)			@ 95 °F	40		41
600 rpm				23		22
300 rpm				15		15
200 rpm				10		12
100 rpm				8		9
6 rpm				5		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	8		7
Yield Point (lb/100 ft²)			T0 = 3	7		8
Gel Strength (lb/100 ft²)			10 sec/10 min	5/8		4/8
Gel Strength (lb/100 ft^2)			30 min	11		10
HTHP Filtrate (cm/30 min)			@ 250 °F	8.0		8.8
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				8%		7%
Corrected Solids (vol%)				6.3%		5.1%
Retort Oil Content				71%		69%
Retort Water Content				21%		24%
O/W Ratio				77:23		74:26
Whole Mud Chlorides (mg/L)				44,000		49,000
Water Phase Salinity (ppm)				247,300		242,511
Whole Mud Alkalinity, Pom				2.0		1.5
Excess Lime (lb/bbl)				2.6 ppb		2 ppb
Electrical Stability (volts)				425 v		390 v
Average Specific Gravity of Solids				2.58		2.66
Percent Low Gravity Solids				5.4%		4.2%
ppb Low Gravity Solids				45 ppb		35 ppb
Percent Barite				0.8%		0.9%
ppb Barite				12 ppb		13 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M.Meehan

MUD VOLUME (BBL)

In Pits	670 bbl
In Hole	603 bbl
Active	1273 bbl
Storage	2288 bbl
Tot. on Location	3561 bbl

PUMP #1

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

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	74
gal/min	194

RISER BOOSTER

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

PHHP = 929 **CIRCULATION DATA** n = 0.617 K = 163.477

Bit Depth = 15,063 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.					
84.6 bbl	Volume to Bit	212.7 bbl	Strokes To Bit	3,406	Time To Bit 23 min
	Bottoms Up Vol.	390.4 bbl	BottomsUp Stks	6,249	BottomsUp Time 43 min
	TotalCirc.Vol.	1273.1 bbl	TotalCirc.Stks	20,381	Total Circ. Time 139 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	12,353'	0'
AGITATOR	5.000	2.000	24'	12,353'
Drill Pipe	4.500	3.826	2,557'	12,376'
Dir. BHA	5.250	2.250	130'	14,933'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,105'	0'
Int. Csg.	7 5/8	6.875	9,924'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	15,063'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	9,924'	349.9	turb	9.48
6.818x4.5	12,353'	360.3	turb	9.74
6.818x5	12,376'	440.0	turb	9.87
6.818x4.5	14,933'	360.3	turb	10.21
6.818x5.25	15,063'	499.5	turb	10.36

BIT DATA Manuf./Type Halli./GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	9,937 ft	45.0	5,126 ft	113.9

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	24.0
Shaker 2	140-80	24.0
Shaker 3	140-80	24.0
Dryer Shaker 3	140	24.0
Centrifuge 1		8.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2970.1
Transferred In(+)/Out(-)	697.0
Oil Added (+)	139.1
Barite Added (+)	0.0
Other Product Usage (+)	16.7
Water Added (+)	70.0
Left on Cuttings (-)	-127.7
Lost To Formation	-204.1
Est. Total on Location	3561.2
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.33	53 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
143 lbs	83			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,980 psi

Remarks/Recommendations:

OBM RECEIVED: 4486bbls (Received today: 845bbls)

OBM ON SURFACE--- 3106 bbls (Storage + Active)

OBM LOSS/GAIN-- Total (_-204bbls_)

Rig Activity:

On the Past 24hrs: Continue drilling ahead on Lateral section; Maintain LCM (FirstResponse/SynSeal/Magmafiber) Sweeps every 100' (20bbls of 30ppb). Decrease Mud Weight to 8.6ppg while maintaing 330gpm and drilling ahead. Losses to formation decrease to 10bbls to 0bbls per 100'. suspend additions of LCM to Active system and maintain LCM sweeps every 300'. @14230' increase to 400gpm while sliding, Seepage to formation increased up to 25-30bbls/100'. Gain back 15-18bbls on pumps down for connection. Maintain Constant additions for Diesel and water and respective chemicals to maintain properties. At this time: Continue drilling ahead pump 20bbls sweeps every other connection (200') seepage minimized to 10-15bbls/100'. currently pasing 15,114'MD / 10,245TVD.

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

	Daily Total	Cumulative Cost
	$17,856.26	**$116,597.96**
INCLUDING 3RD PARTY CHARGES	**$30,782.14**	**$200,910.32**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/24/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	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						44	$1,960.64
PHPA LIQUID (pail)	5 gal	$41.36							
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
CACL2 (50)	50# sk	$14.32	102		74	28	$400.96	252	$3,608.64
LIME (50)	50# sk	$5.00	75	150	175	50	$250.00	225	$1,125.00
OPTI - G	50# sk	$30.59	120	80	160	40	$1,223.60	120	$3,670.80
BENTONE 38 (50)	50# sk	$163.94	36		30	6	$983.64	6	$983.64
BENTONE 910 (50)	50# sk	$59.40						14	$831.60
BENTONE 990 (50)	50# sk	$83.59	24		20	4	$334.36	4	$334.36
OPTI - MUL	gal	$10.75	25	440	355	110	$1,182.50	305	$3,278.75
OPTI - WET	gal	$8.34	55	440	495			220	$1,834.80
NEW PHALT	50# sk	$38.72	110	80	160	30	$1,161.60	110	$4,259.20
OIL SORB (25)	25# sk	$4.75	30	40	70			10	$47.50
NEWCARB ULTIMIX	50# sk	$6.35		120	120				
NEW CARB (M)	50# sk	$5.25	100		70	30	$157.50	90	$472.50
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	100	192	260	32	$897.60	153	$4,291.65
MAGMAFIBER R (30)	30# sk	$28.05	38		38				
VARISEAL	50# sk	$26.50	50		40	10	$265.00	40	$1,060.00
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1450		1450			2141	$14,988.40
OPTI DRILL (OBM)	bbl	$65.00	2715	697	3306	106	$6,890.00	584	$37,960.00
DISCOUNTED OBM	bbl	$15.00	255		255			137	$2,055.00
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				840	$840.00	1889	$1,889.00
TRUCKING (cwt)	each	$2.65				350	$927.50	3243	$8,594.48
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00				18	$216.00	18	$216.00
SHRINK WRAP (ea)	each	$12.00				18	$216.00	18	$216.00
		Daily Sub-Total $17,856.26			**Cumulative Total $116,597.96**			**$116,597.96**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/24/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	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	350		310	40	$1,670.00	140	$5,845.00
TURBO CHEM / SYNSEAL	25# sk	$81.00	70		50	20	$1,620.00	50	$4,050.00
Diesel Transfer from B 1H	gal	$1.63						6372	$10,386.36
Diesel Received 12-17-18	gal	$1.66						10900	$18,094.00
Diesel Received 12-19-20	gal	$1.67						7000	$11,690.00
Diesel Received 12-20-20	gal	$1.68						14400	$24,192.00
Diesel Received 12-21-20	gal	$1.69	4452			4452	$7,523.88	4700	$7,943.00
Diesel Received 12-22-20	gal	$1.65	7200		5920	1280	$2,112.00	1280	$2,112.00
Diesel Received 12-23-20	gal	$1.64		5800	5800				

Daily Sub-Total $12,925.88

$84,312.36

Cumulative Total AES & 3rd Party $200,910.32

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	FAT TIRE A-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	12/18/20	12/19/20	12/20/20	12/21/20	12/22/20	12/23/20	12/24/20	12/25/20	12/26/20	12/27/20	12/28/20	12/29/20	12/30/20	12/31/20	1/1/21	1/2/21	1/3/21	1/4/21	1/5/21	1/6/21	1/7/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4														
Grand Totals	Starting Depth	3,105	3,201	9,745	9,937	9,937	10,226	12,235	15,063													
	Ending Depth	3,201	9,745	9,937	9,937	10,226	12,235	15,063														
11,958	Footage Drilled	96	6,544	192	-	289	2,009	2,828	-	-	-	-	-	-	-	-	-	-	-	-	-	-
874	New Hole Vol.	9	620	18	-	13	89	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	329	2,150	2,701	2,975	2,968	2,951	2,970	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561
72	Chemical Additions	6	38	-	-	7	3	17														
1,076	Base Fluid Added	13	409	117	118	33	247	139														
149	Barite Increase	-	43	34	-	-	73	-														
4,339	Weighted Mud Added	1,813	463	225	-	-	1,141	697														
-	Slurry Added	-	-	-	-	-	-	-														
413	Water Added	-	240	-	-	-	103	70														
-	Added for Washout	-	-	-	-	-	-	-														
6,048	Total Additions	1,831	1,193	375	118	41	1,567	923	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79	Surface Losses	-	-	-	50	29	-	-														
1,261	Formation Loss	-	-	-	-	-	1,057	204														
767	Mud Loss to Cuttings	10	506	20	-	13	91	128														
136	Unrecoverable Volume	-	86	50	-	-	-	-														
172	Centrifuge Losses	-	50	32	75	16	-	-														
2,416	Total Losses	10	642	102	125	58	1,148	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-
400	Mud Transferred Out						400															
3,561	Ending System Volume	2,150	2,701	2,975	2,968	2,951	2,970	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561
-	Mud Recovered																					

	Comments:	Comments:	Comments:
12/18/20	Skid from the B 1H. Nipple up test BOP's. Pick up new BHA, TIH, drill out shoe track perform FIT. Start drilling Intermediate. 800gpm, 1150ROP.	12/25/20	1/1/21
12/19/20	Drilling ahead on intermediate section. 800gpm, 400rop. Transfer mud from storage to active and sweeps.	12/26/20	1/2/21
12/20/20	TD 9937', circulate hole clean, POOH lay down DP and BHA. Rig up Casing tools and run 7 5/8" casing in the hole. Cut MW in the pits back to 9.7ppg.	12/27/20	1/3/21
12/21/20	Casing on Bottom, Circulate, full returns. Cement with full returns and discharge 31bbls of Spacer/OBM interface. Change rams, testing BOP's	12/28/20	1/4/21
12/22/20	Pick up DP, tag float collar. Drill out shoe track + 10' new formation. FIT to 13EMW. Resume drilling on curve section.	12/29/20	1/5/21
12/23/20	Drilling ahead into lateral. Loosing OBM into formation. Pumping 30ppb LCM every connection, and adding LCM to active system	12/30/20	1/6/21
12/24/20	Drilling ahead on lateral seciton. Continue to losse mud to formation. More when GPM increase to 400gpm. Pumping sweeps every 200'.	12/31/20	1/7/21

4,268

12/24/2020 **Report 12 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

90.1° **10,244' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**569 ft**	**15,632 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**193 ft/hr**	**Drilling**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
KEVIN BURT / BOBBY GWIN	**Tool Pusher**	**GIDDIGNS**	**OBM**	**378 gpm**	**3,836 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**

MUD PROPERTIES				
Time Sample Taken		2:00		11:00
Sample Location		suction		suction
Flowline Temperature °F		140 °F		88 °F
Depth (ft)		14,804'		15,632'
Mud Weight (ppg)		8.6		8.6
Funnel Vis (sec/qt)	@ 95 °F	40		43
600 rpm		23		24
300 rpm		15		16
200 rpm		10		12
100 rpm		8		9
6 rpm		5		5
3 rpm		4		4
Plastic Viscosity (cp)	@ 150 °F	8		8
Yield Point (lb/100 ft²)	T0 = 3	7		8
Gel Strength (lb/100 ft²)	10 sec / 10 min	5/8		5/8
Gel Strength (lb/100 ft2)	30 min	11		10
HTHP Filtrate (cm/30 min)	@ 250 °F	8.0		6.8
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		8%		7.5%
Corrected Solids (vol%)		6.3%		5.7%
Retort Oil Content		71%		70.5%
Retort Water Content		21%		22%
O/W Ratio		77:23		76:24
Whole Mud Chlorides (mg/L)		44,000		47,000
Water Phase Salinity (ppm)		247,300		250,936
Whole Mud Alkalinity, Pom		2.0		2.2
Excess Lime (lb/bbl)		2.6 ppb		2.9 ppb
Electrical Stability (volts)		425 v		387 v
Average Specific Gravity of Solids		2.58		2.58
Percent Low Gravity Solids		5.4%		4.9%
ppb Low Gravity Solids		45 ppb		41 ppb
Percent Barite		0.8%		0.7%
ppb Barite		12 ppb		11 ppb
Estimated Total LCM in System				
Sample Taken By		A. ROMAN		M.Meehan

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	683 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	4.75
In Hole	626 bbl	Stroke	12	Stroke	12	Stroke	12
Active	1309 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0625
Storage	2166 bbl	stk/min	72	stk/min	72	stk/min	
Tot. on Location	3475 bbl	gal/min	189	gal/min	189	gal/min	

Mud Wt. = 8.6 PV=8 YP=7 **CIRCULATION DATA** n = 0.617 K = 163.5

Bit Depth = 15,632 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.							
87.7 bbl	Volume to Bit	220.8 bbl	Strokes To Bit	3,535	Time To Bit	25 min
	Bottoms Up Vol.	404.9 bbl	BottomsUp Stks	6,482	BottomsUp Time	45 min
	TotalCirc.Vol.	1308.7 bbl	TotalCirc.Stks	20,951	Total Circ. Time	145 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	12,922'	
AGITATOR	5.000	2.000	24'	12,922'
Drill Pipe	4.500	3.826	2,557'	12,945'
Dir. BHA	5.250	2.250	130'	15,502'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,105'	
Int. Csg.	7 5/8	6.875	9,924'	
Washout 1				
Washout 2				
Open Hole Size	6.818		15,632'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	9,924'	342.8	turb	9.51
6.818x4.5	12,922'	352.9	turb	9.87
6.818x5	12,945'	431.0	turb	10.05
6.818x4.5	15,502'	352.9	turb	10.43
6.818x5.25	15,632'	489.3	turb	10.64

BIT DATA Manuf./Type Halli./GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	9,937 ft	54.0	5,695 ft	105.5

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3561.1
Transferred In(+)/Out(-)	
Oil Added (+)	45.7
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	-25.7
Lost To Formation	-106.4
Est. Total on Location	3474.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.31	51 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
137 lbs	81			

Motor/MWD	Calc. Circ. Pressure
2,100 psi	3,836 psi

Afternoon Remarks/Recommendations:

Pump 20 bbl sweep every connection. Sweep Contains:

10 ppb First Response, 10 ppb magnafiber and 10 ppb Veriseal

Afternoon Rig Activity:

Drilling 6-3/4" lateral hole section. Reduced mud wt. to 8.6 ppg. Losses slowed to seepage of 5-10 bbl/hr. Continue to pump 10 bbl LCM sweeps every 300 ft. Adding Optimul and Lime to increase the emulsion. Adding Bentone 38 and Bentone 990 to increase the Yield Point and 6/3 RPM readings. Adding Opt-G to lower the HTHP fluid loss. Running the mud chiller. Surface flowline temperature of 88 degrees.

12/25/20 **Report #13**

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

OUTSOURCE FLUID SOLUTIONS LLC.

92.1° **10,163' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**1,620 ft**	**16,683 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**90 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
KEVIN BURT / BOBBY GWIN	**Tool Pusher**	**GIDDIGNS**	**OBM**	**401 gpm**	**4,910 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**
				12/25/20		12/24/20
Time Sample Taken				2:00		11:00
Sample Location				suction		suction
Flowline Temperature °F				115 °F		88 °F
Depth (ft)				16,490'		15,632'
Mud Weight (ppg)				8.6		8.6
Funnel Vis (sec/qt)			@ 75 °F	48		43
600 rpm				23		24
300 rpm				15		16
200 rpm				11		12
100 rpm				8		9
6 rpm				5		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	8		8
Yield Point (lb/100 ft²)			T0 = 3	7		8
Gel Strength (lb/100 ft²)			10 sec/10 min	5/9		5/8
Gel Strength (lb/100 ft^2)			30 min	12		10
HTHP Filtrate (cm/30 min)			@ 250 °F	7.0		6.8
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				8%		7.5%
Corrected Solids (vol%)				6.1%		5.7%
Retort Oil Content				69%		70.5%
Retort Water Content				23%		22%
O/W Ratio				75:25		76:24
Whole Mud Chlorides (mg/L)				47,000		47,000
Water Phase Salinity (ppm)				242,674		250,936
Whole Mud Alkalinity, Pom				2.0		2.2
Excess Lime (lb/bbl)				2.6 ppb		2.9 ppb
Electrical Stability (volts)				425 v		387 v
Average Specific Gravity of Solids				2.49		2.58
Percent Low Gravity Solids				5.6%		4.9%
ppb Low Gravity Solids				46 ppb		41 ppb
Percent Barite				0.5%		0.7%
ppb Barite				7 ppb		11 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M.Meehan

MUD VOLUME (BBL)

In Pits	632 bbl
In Hole	667 bbl
Active	1299 bbl
Storage	2161 bbl
Tot. on Location	3460 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	77
gal/min	202

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 1150 n = 0.617 K = 163.477

Bit Depth = 16,683 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.					
93.4 bbl	Volume to Bit	235.8 bbl	Strokes To Bit	3,775	Time To Bit 25 min
	Bottoms Up Vol.	431.7 bbl	BottomsUp Stks	6,910	BottomsUp Time 45 min
	TotalCirc.Vol.	1299.4 bbl	TotalCirc.Stks	20,802	Total Circ. Time 136 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	13,973'	0'
AGITATOR	5.000	2.000	24'	13,973'
Drill Pipe	4.500	3.826	2,557'	13,996'
Dir. BHA	5.250	2.250	130'	16,553'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,105'	0'
Int. Csg.	7 5/8	6.875	9,924'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	16,683'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	9,924'	364.2	turb	9.49
6.818x4.5	13,973'	375.0	turb	9.86
6.818x5	13,996'	457.9	turb	9.95
6.818x4.5	16,553'	375.0	turb	10.25
6.818x5.25	16,683'	519.9	turb	10.36

BIT DATA

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	9,937 ft	72.0	7,315 ft	101.6

Manuf./Type Halli./GTD64M

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	24.0
Shaker 2	140-80	24.0
Shaker 3	140-80	24.0
Dryer Shaker 3	140	24.0
Centrifuge 1		8.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3561.1
Transferred In(+)/Out(-)	
Oil Added (+)	158.5
Barite Added (+)	0.0
Other Product Usage (+)	18.8
Water Added (+)	75.0
Left on Cuttings (-)	-73.1
Centrifuge/Evap.	-24.0
Lost To Formation	-255.8
Est. Total on Location	3460.4
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.38	58 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
155 lbs	86			

Motor/MWD	Calc. Circ. Pressure
2,100 psi	4,149 psi

Remarks/Recommendations:

OBM RECEIVED: 4486bbls

OBM ON SURFACE--- 2793 bbls (Storage + Active)

OBM LOSS/GAIN-- Total (_-255bbls_)

Rig Activity:

On the Past 24hrs: Continue drilling ahead on Lateral section; @ 156,444' losses to formation noted at 10-20bph. Increase Sweep schedule to 10bbls / connection, seepage decrease to 5-10bph @ 15,634'. Return to 10bbls sweep every 300' (SWEEP: 30ppb First Response/SynSeal/Magmafiber/Varyseal). Drilled to 16,101' Pump 20bbls sweep, push same out of the bit and POOH (Wash & Ream) 10 stands back on bottom, and resume Drilling/Sliding w/400gpm seepage incresed to 13bbl/100'. Pump 10bbls sweep every connection seepage down to 6bbl/100'. Cuttings samples show to be 100% A-Chalk. Maintain Constant additions for Diesel and water and respective chemicals to maintain properties. Currently:Drilling ahead /10bbls sweeps per connection passing 16,685'MD / 10,162TVD.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Matt Meehan	Adolfo Roman	MIDLAND	WH #2	
Phone: 985-351-7561	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

	Daily Total	Cumulative Cost
	$16,477.33	**$133,075.29**
INCLUDING 3RD PARTY CHARGES	**$30,519.33**	**$231,429.65**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/25/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	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						44	$1,960.64
PHPA LIQUID (pail)	5 gal	$41.36							
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
CACL2 (50)	50# sk	$14.32	74	112	112	74	$1,059.68	326	$4,668.32
LIME (50)	50# sk	$5.00	175		150	25	$125.00	250	$1,250.00
OPTI - G	50# sk	$30.59	160	80	200	40	$1,223.60	160	$4,894.40
BENTONE 38 (50)	50# sk	$163.94	30		25	5	$819.70	11	$1,803.34
BENTONE 910 (50)	50# sk	$59.40						14	$831.60
BENTONE 990 (50)	50# sk	$83.59	20		10	10	$835.90	14	$1,170.26
OPTI - MUL	gal	$10.75	355		330	25	$268.75	330	$3,547.50
OPTI - WET	gal	$8.34	495		385	110	$917.40	330	$2,752.20
NEW PHALT	50# sk	$38.72	160	80	200	40	$1,548.80	150	$5,808.00
OIL SORB (25)	25# sk	$4.75	70		70			10	$47.50
NEWCARB ULTIMIX	50# sk	$6.35	120		120				
NEW CARB (M)	50# sk	$5.25	70		60	10	$52.50	100	$525.00
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	260		240	20	$561.00	173	$4,852.65
MAGMAFIBER R (30)	30# sk	$28.05	38		38				
VARISEAL	50# sk	$26.50	40		30	10	$265.00	50	$1,325.00
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1450		1450			2141	$14,988.40
OPTI DRILL (OBM)	bbl	$65.00	3306		3200	106	$6,890.00	690	$44,850.00
DISCOUNTED OBM	bbl	$15.00	255		255			137	$2,055.00
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						1889	$1,889.00
TRUCKING (cwt)	each	$2.65						3243	$8,594.48
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						18	$216.00
SHRINK WRAP (ea)	each	$12.00						18	$216.00
		Daily Sub-Total $16,477.33			Cumulative Total $133,075.29			$133,075.29	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/25/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	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	310		270	40	$1,670.00	180	$7,515.00
TURBO CHEM / SYNSEAL	25# sk	$81.00	50		30	20	$1,620.00	70	$5,670.00
Diesel Transfer from B 1H	gal	$1.63						6372	$10,386.36
Diesel Received 12-17-18	gal	$1.66						10900	$18,094.00
Diesel Received 12-19-20	gal	$1.67						7000	$11,690.00
Diesel Received 12-20-20	gal	$1.68						14400	$24,192.00
Diesel Received 12-21-20	gal	$1.69						4700	$7,943.00
Diesel Received 12-22-20	gal	$1.65	5920			5920	$9,768.00	7200	$11,880.00
Diesel Received 12-23-20	gal	$1.64	5800		5200	600	$984.00	600	$984.00
							Daily Sub-Total $14,042.00		$98,354.36

Cumulative Total AES & 3rd Party $231,429.65

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	FAT TIRE A-1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	12/18/20	12/19/20	12/20/20	12/21/20	12/22/20	12/23/20	12/24/20	12/25/20	12/26/20	12/27/20	12/28/20	12/29/20	12/30/20	12/31/20	1/1/21	1/2/21	1/3/21	1/4/21	1/5/21	1/6/21	1/7/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4													
Grand Totals	Starting Depth	3,105	3,201	9,745	9,937	9,937	10,226	12,235	15,063	16,683												
	Ending Depth	3,201	9,745	9,937	9,937	10,226	12,235	15,063	16,683													
13,578	Footage Drilled	96	6,544	192	-	289	2,009	2,828	1,620	-	-	-	-	-	-	-	-	-	-	-	-	-
946	New Hole Vol.	9	620	18	-	13	89	125	72	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	329	2,150	2,701	2,975	2,968	2,951	2,970	3,561	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460
90	Chemical Additions	6	38	-	-	7	3	17	19													
1,234	Base Fluid Added	13	409	117	118	33	247	139	158													
149	Barite Increase	-	43	34	-	-	73	-	-													
4,339	Weighted Mud Added	1,813	463	225	-	-	1,141	697	-													
-	Slurry Added	-	-	-	-	-	-	-	-													
488	Water Added	-	240	-	-	-	103	70	75													
-	Added for Washout	-	-	-	-	-	-	-	-													
6,300	Total Additions	1,831	1,193	375	118	41	1,567	923	252	-	-	-	-	-	-	-	-	-	-	-	-	-
79	Surface Losses	-	-	-	50	29	-	-	-													
1,517	Formation Loss	-	-	-	-	-	1,057	204	256													
840	Mud Loss to Cuttings	10	506	20	-	13	91	128	73													
136	Unrecoverable Volume	-	86	50	-	-	-	-	-													
196	Centrifuge Losses	-	50	32	75	16	-	-	24													
2,769	Total Losses	10	642	102	125	58	1,148	332	353	-	-	-	-	-	-	-	-	-	-	-	-	-
400	Mud Transferred Out						400															
3,460	Ending System Volume	2,150	2,701	2,975	2,968	2,951	2,970	3,561	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460
-	Mud Recovered																					

4,268

Comments:		Comments:		Comments:	
12/18/20	Skid from the B 1H. Nipple up test BOP's. Pick up new BHA, TIH, drill out shoe track perform FIT. Start drilling Intermediate. 800gpm, 1150ROP.	12/25/20	Drilling ahead on lateral, 100%chalk. Short Trip 10stands. Back to drilling w/400gpm Seepage noted. Sweep every connection 10bbls.	1/1/21	
12/19/20	Drilling ahead on intermediate section. 800gpm, 400rop. Transfer mud from storage to active and sweeps.	12/26/20		1/2/21	
12/20/20	TD 9937', circulate hole clean, POOH lay down DP and BHA. Rig up Casing tools and run 7 5/8" casing in the hole. Cut MW in the pits back to 9.7ppg.	12/27/20		1/3/21	
12/21/20	Casing on Bottom, Circulate, full returns. Cement with full returns and discharge 31bbls of Spacer/OBM interface. Change rams, testing BOP's	12/28/20		1/4/21	
12/22/20	Pick up DP, tag float collar. Drill out shoe track + 10' new formation. FIT to 13EMW. Resume drilling on curve section.	12/29/20		1/5/21	
12/23/20	Drilling ahead into lateral. Loosing OBM into formation. Pumping 30ppb LCM every connection, and adding LCM to active system	12/30/20		1/6/21	
12/24/20	Drilling ahead on lateral seciton. Continue to losse mud to formation. More when GPM increase to 400gpm. Pumping sweeps every 200'.	12/31/20		1/7/21	

12/25/2020 **Report 13 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

95.0° **10,122' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**484 ft**	**17,167 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**		**Circluate**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
KEVIN BURT / BOBBY GWIN	**Tool Pusher**	**GIDDIGNS**	**OBM**	**401 gpm**	**4,204 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**

MUD VOLUME (BBL)

In Pits	632 bbl
In Hole	687 bbl
Active	1319 bbl
Storage	2074 bbl
Tot. on Location	3393 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	77
gal/min	202

RISER BOOSTER

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

MUD PROPERTIES

Time Sample Taken	2:00		11:00
Sample Location	suction		suction
Flowline Temperature °F	115 °F		116 °F
Depth (ft)	16,490'		17,163'
Mud Weight (ppg)	8.6		8.6
Funnel Vis (sec/qt) @ 75 °F	48		46
600 rpm	23		25
300 rpm	15		16
200 rpm	11		12
100 rpm	8		9
6 rpm	5		5
3 rpm	4		4
Plastic Viscosity (cp) @ 150 °F	8		9
Yield Point (lb/100 ft²) T0 = 3	7		7
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/9		5/8
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	8%		8%
Corrected Solids (vol%)	6.1%		6.1%
Retort Oil Content	69%		69%
Retort Water Content	23%		23%
O/W Ratio	75:25		75:25
Whole Mud Chlorides (mg/L)	47,000		48,000
Water Phase Salinity (ppm)	242,674		246,564
Whole Mud Alkalinity, Pom	2.0		2.1
Excess Lime (lb/bbl)	2.6 ppb		2.7 ppb
Electrical Stability (volts)	425 v		405 v
Average Specific Gravity of Solids	2.49		2.40
Percent Low Gravity Solids	5.6%		6%
ppb Low Gravity Solids	46 ppb		49 ppb
Percent Barite	0.5%		0.2%
ppb Barite	7 ppb		2 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M.Meehan

CIRCULATION DATA n = 0.617 K = 163.5

Bit Depth = 17,167 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
96.1 bbl	Volume to Bit	242.7 bbl	Strokes To Bit	3,885	Time To Bit	25 min
	Bottoms Up Vol.	444.0 bbl	BottomsUp Stks	7,108	BottomsUp Time	46 min
	TotalCirc.Vol.	1318.7 bbl	TotalCirc.Stks	21,110	Total Circ. Time	138 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	14,457'	
AGITATOR	5.000	2.000	24'	14,457'
Drill Pipe	4.500	3.826	2,557'	14,480'
Dir. BHA	5.250	2.250	130'	17,037'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,105'	
Int. Csg.	7 5/8	6.875	9,924'	
Washout 1				
Washout 2				
Open Hole Size	6.818		17,167'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	9,924'	364.2	turb	9.41
6.818x4.5	14,457'	375.0	turb	9.75
6.818x5	14,480'	457.9	turb	9.75
6.818x4.5	17,037'	375.0	turb	9.98
6.818x5.25	17,167'	519.9	turb	10.01

BIT DATA Manuf./Type Halli./GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	9,937 ft	79.0	7,230 ft	91.5

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3460.4
Transferred In(+)/Out(-)	
Oil Added (+)	28.6
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	-21.9
Centrifuge/Evap.	
Lost To Formation	-74.5
Est. Total on Location	3392.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.38	58 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
155 lbs	86			

Motor/MWD	Calc. Circ. Pressure
2,100 psi	4,204 psi

Afternoon Remarks/Recommendations:

Pump 20 bbl sweep every connection. Sweep Contains:

10 ppb First Response, 10 ppb magnafiber and 10 ppb Veriseal

Afternoon Rig Activity:

Drilled 6-3/4" lateral hole section to TD @ 17167 ft. Pumped a series of three 30 bbl LCM sweeps in tandem. Currently circulating the hole clean for 6 times bottom's up. Will backream out of hole prior to spotting a 16 lb/gal mud cap.

12/26/20 **Report #14**

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

OUTSOURCE FLUID SOLUTIONS LLC.

11.1° **2,969' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**FAYETTE**	**12/08/20**	**484 ft**	**17,167 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
FAT TIRE A-1H	**248**	**TEXAS**	**12/11/20**	**81 ft/hr**	**POOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
KEVIN BURT / BOBBY GWIN	**Tool Pusher**	**GIDDIGNS**	**OBM**	**394 gpm**	**4,204 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.5-10.6	**5-20**	**5-15**	**>350**	**±250K**	**<10 <20**	**<10**
				12/26/20		12/24/20
Time Sample Taken				2:00		11:00
Sample Location				suction		suction
Flowline Temperature °F						116 °F
Depth (ft)				17,163'		17,163'
Mud Weight (ppg)				8.7		8.6
Funnel Vis (sec/qt)			@ 70 °F	47		46
600 rpm				24		25
300 rpm				16		16
200 rpm				12		12
100 rpm				8		9
6 rpm				5		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	8		9
Yield Point (lb/100 ft²)			T0 = 3	8		7
Gel Strength (lb/100 ft²)			10 sec/10 min	5/8		5/8
Gel Strength (lb/100 ft^2)			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				9%		8%
Corrected Solids (vol%)				7.2%		6.1%
Retort Oil Content				70%		69%
Retort Water Content				21%		23%
O/W Ratio				77:23		75:25
Whole Mud Chlorides (mg/L)				45,000		48,000
Water Phase Salinity (ppm)				251,507		246,564
Whole Mud Alkalinity, Pom				1.8		2.1
Excess Lime (lb/bbl)				2.3 ppb		2.7 ppb
Electrical Stability (volts)				430 v		405 v
Average Specific Gravity of Solids				2.50		2.40
Percent Low Gravity Solids				6.6%		6%
ppb Low Gravity Solids				54 ppb		49 ppb
Percent Barite				0.6%		0.2%
ppb Barite				9 ppb		2 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M.Meehan

MUD VOLUME (BBL)

In Pits	748 bbl
In Hole	764 bbl
Active	867 bbl
Storage	1927 bbl
Tot. on Location	3439 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	4.75
Stroke	12
bbl/stk	0.0625
stk/min	0
gal/min	0

CIRCULATION DATA

PHHP = 965 n = 0.585 K = 212.503

Bit Depth = 3,000 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.					
18.8 bbl	Volume to Bit	41.2 bbl	Strokes To Bit	660	Time To Bit 4 min
	Bottoms Up Vol.	77.7 bbl	BottomsUp Stks	1,244	BottomsUp Time 8 min
	TotalCirc.Vol.	866.9 bbl	TotalCirc.Stks	13,878	Total Circ. Time 93 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	290'	0'
AGITATOR	5.000	2.000	24'	290'
Drill Pipe	4.500	3.826	2,557'	313'
Dir. BHA	5.250	2.250	130'	2,870'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,105'	0'
Int. Csg.	7 5/8	6.875	9,924'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	17,167'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	290'	357.0	turb	9.56
6.875x5	313'	433.2	turb	9.67
6.875x4.5	2,870'	357.0	turb	9.59
6.875x5.25	3,000'	489.5	turb	9.71

BIT DATA

Manuf./Type	Size	Depth In	Hours	Footage	ROP ft/hr
Halli./GTD64M	6 3/4	9,937 ft	85.0	7,714 ft	90.8

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	24.0
Shaker 2	140-80	24.0
Shaker 3	140-80	24.0
Dryer Shaker 3	140	24.0
Centrifuge 1		5.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3460.4
Transferred In(+)/Out(-)	
Oil Added (+)	40.4
Barite Added (+)	17.4
Other Product Usage (+)	3.0
Water Added (+)	20.0
Left on Cuttings (-)	-21.9
Centrifuge/Evap.	-20.0
Lost To Formation	-60.6
Est. Total on Location	3438.9
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
151 lbs	85			

Motor/MWD	Calc. Circ. Pressure
2,100 psi	2,617 psi

Remarks/Recommendations:

OBM RECEIVED: 4486bbls

OBM ON SURFACE--- 2675 bbls (Storage + Active)

OBM LOSS/GAIN-- Total (_-61bbls_)

Rig Activity:

On the Past 24hrs: Drilled to TD 17,167'MD / 10,120'TVD. Initiate Clean up Cycle, Pump 3 / 30bbls sweeps in tandem and circulate for 6 BU. (SWEEP: 30ppb - First Response/SynSeal/Magmafiber/Varyseal). Completed Circulation and start POOH wash & ream up to Casing shoe (9,924'). At the shoe, Circulate BU, Perform Flow Ck, spot 16ppg OBM 48bbls out the bit for Mud Cap. POOH 10 stands and ck flow. Well in static conditions, Pump slug and continue to POOH to lay down BHA and start casing run. At this time: Continiue POOH passing 3000'.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Matt Meehan	Adolfo Roman	MIDLAND	WH #2	
Phone: 985-351-7561	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

	Daily Total	Cumulative Cost
	$5,400.00	**$138,475.29**
INCLUDING 3RD PARTY CHARGES	**$8,184.72**	**$239,614.37**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/26/20	MAGNOLIA OIL & GAS	FAT TIRE A-1H	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						44	$1,960.64
PHPA LIQUID (pail)	5 gal	$41.36							
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
CACL2 (50)	50# sk	$14.32	112		112			326	$4,668.32
LIME (50)	50# sk	$5.00	150		100	50	$250.00	300	$1,500.00
OPTI - G	50# sk	$30.59	200		200			160	$4,894.40
BENTONE 38 (50)	50# sk	$163.94	25		25			11	$1,803.34
BENTONE 910 (50)	50# sk	$59.40						14	$831.60
BENTONE 990 (50)	50# sk	$83.59	10		10			14	$1,170.26
OPTI - MUL	gal	$10.75	330		330			330	$3,547.50
OPTI - WET	gal	$8.34	385		385			330	$2,752.20
NEW PHALT	50# sk	$38.72	200		200			150	$5,808.00
OIL SORB (25)	25# sk	$4.75	70		70			10	$47.50
NEWCARB ULTIMIX	50# sk	$6.35	120		120				
NEW CARB (M)	50# sk	$5.25	60		60			100	$525.00
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	240		240			173	$4,852.65
MAGMAFIBER R (30)	30# sk	$28.05	38		38				
VARISEAL	50# sk	$26.50	30		30			50	$1,325.00
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	80		80				
NEW WATE (SACK BARITE)	100# sk	$11.50	180		180				
BARITE BULK (100)	100# sk	$7.00	1450		1200	250	$1,750.00	2391	$16,738.40
OPTI DRILL (OBM)	bbl	$65.00	3200		3184	16	$1,040.00	706	$45,890.00
DISCOUNTED OBM	bbl	$15.00	255		255			137	$2,055.00
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				450	$450.00	2339	$2,339.00
TRUCKING (cwt)	each	$2.65						3243	$8,594.48
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						18	$216.00
SHRINK WRAP (ea)	each	$12.00						18	$216.00
		Daily Sub-Total $5,400.00			**Cumulative Total $138,475.29**			**$138,475.29**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
12/26/20	**MAGNOLIA OIL & GAS**	**FAT TIRE A-1H**	**248**	**Report #14**

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	270		270			180	$7,515.00
TURBO CHEM / SYNSEAL	25# sk	$81.00	30		30			70	$5,670.00
Diesel Transfer from B 1H	gal	$1.63						6372	$10,386.36
Diesel Received 12-17-18	gal	$1.66						10900	$18,094.00
Diesel Received 12-19-20	gal	$1.67						7000	$11,690.00
Diesel Received 12-20-20	gal	$1.68						14400	$24,192.00
Diesel Received 12-21-20	gal	$1.69						4700	$7,943.00
Diesel Received 12-22-20	gal	$1.65						7200	$11,880.00
Diesel Received 12-23-20	gal	$1.64	5200		3502	1698	$2,784.72	2298	$3,768.72
Diesel Received 12-25-20	gal	$1.66		7000	7000				

Daily Sub-Total $2,784.72

$101,139.08

Cumulative Total AES & 3rd Party $239,614.37

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	FAT TIRE A-1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	12/18/20	12/19/20	12/20/20	12/21/20	12/22/20	12/23/20	12/24/20	12/25/20	12/26/20	12/27/20	12/28/20	12/29/20	12/30/20	12/31/20	1/1/21	1/2/21	1/3/21	1/4/21	1/5/21	1/6/21	1/7/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4												
	Starting Depth	3,105	3,201	9,745	9,937	9,937	10,226	12,235	15,063	16,683	17,167											
	Ending Depth	3,201	9,745	9,937	9,937	10,226	12,235	15,063	16,683	17,167												
14,062	Footage Drilled	96	6,544	192	-	289	2,009	2,828	1,620	484	-	-	-	-	-	-	-	-	-	-	-	-
967	New Hole Vol.	9	620	18	-	13	89	125	72	21	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	329	2,150	2,701	2,975	2,968	2,951	2,970	3,561	3,460	3,403	3,403	3,403	3,403	3,403	3,403	3,403	3,403	3,403	3,403	3,403	3,403
93	Chemical Additions	6	38	-	-	7	3	17	19	3												
1,274	Base Fluid Added	13	409	117	118	33	247	139	158	40												
166	Barite Increase	-	43	34	-	-	73	-	-	17												
4,339	Weighted Mud Added	1,813	463	225	-	-	1,141	697	-	-												
-	Slurry Added	-	-	-	-	-	-	-	-	-												
508	Water Added	-	240	-	-	-	103	70	75	20												
-	Added for Washout	-	-	-	-	-	-	-	-	-												
6,380	Total Additions	1,831	1,193	375	118	41	1,567	923	252	81	-	-	-	-	-	-	-	-	-	-	-	-
79	Surface Losses	-	-	-	50	29	-	-	-	-												
1,613	Formation Loss	-	-	-	-	-	1,057	204	256	96												
862	Mud Loss to Cuttings	10	506	20	-	13	91	128	73	22												
136	Unrecoverable Volume	-	86	50	-	-	-	-	-	-												
216	Centrifuge Losses	-	50	32	75	16	-	-	24	20												
2,906	Total Losses	10	642	102	125	58	1,148	332	353	138	-	-	-	-	-	-	-	-	-	-	-	-
400	Mud Transferred Out						400															
3,403	Ending System Volume	2,150	2,701	2,975	2,968	2,951	2,970	3,561	3,460	3,403	3,403	3,403	3,403	3,403	3,403	3,403	3,403	3,403	3,403	3,403	3,403	3,403
-	Mud Recovered																					

4,268

Comments:		Comments:		Comments:	
12/18/20	Skid from the B 1H. Nipple up test BOP's. Pick up new BHA, TIH, drill out shoe track perform FIT. Start drilling Intermediate. 800gpm, 1150ROP.	12/25/20	Drilling ahead on lateral, 100%chalk. Short Trip 10stands. Back to drilling w/400gpm Seepage noted. Sweep every connection 10bbls.	1/1/21	
12/19/20	Drilling ahead on intermediate section. 800gpm, 400rop. Transfer mud from storage to active and sweeps.	12/26/20	Drillied to TD, 17167'. Circulate hole clean, Wash & Ream up to Casing shoe, Circulate BU, monitor Casing pressure, Pump 48bbl of 16ppg Kill mud and spot same out the bit. POOH	1/2/21	
12/20/20	TD 9937', circulate hole clean, POOH lay down DP and BHA. Rig up Casing tools and run 7 5/8" casing in the hole. Cut MW in the pits back to 9.7ppg.	12/27/20		1/3/21	
12/21/20	Casing on Bottom, Circulate, full returns. Cement with full returns and discharge 31bbls of Spacer/OBM interface. Change rams, testing BOP's	12/28/20		1/4/21	
12/22/20	Pick up DP, tag float collar. Drill out shoe track + 10' new formation. FIT to 13EMW. Resume drilling on curve section.	12/29/20		1/5/21	
12/23/20	Drilling ahead into lateral. Loosing OBM into formation. Pumping 30ppb LCM every connection, and adding LCM to active system	12/30/20		1/6/21	
12/24/20	Drilling ahead on lateral seciton. Continue to losse mud to formation. More when GPM increase to 400gpm. Pumping sweeps every 200'.	12/31/20		1/7/21	