07/16/21 **Report #1**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **3,213' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**3,200 ft**	**3,213 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**357 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt/Kevin Cooper	**Tool Pusher**	**GIDDINGS (AC)**	**WBM**	**923 gpm**	**2,204 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**
				7/16/21		
Time Sample Taken				12:05		
Sample Location				pit		
Flowline Temperature °F				120 °F		
Depth (ft)				3,200'		
Mud Weight (ppg)				9.1		
Funnel Vis (sec/qt)			@ 90 °F	34		
600 rpm				7		
300 rpm				5		
200 rpm				3		
100 rpm				2		
6 rpm				1		
3 rpm				1		
Plastic Viscosity (cp)			@ 120 °F	2		
Yield Point (lb/100 ft²)			T0 = 1	3		
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		
Gel Strength (lb/100 ft^2)			30 min	4		
API Filtrate / Cake Thickness				25/3		
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				5.7%		
Retort Oil Content						
Retort Water Content				94.3%		
Sand Content				0.4%		
M.B.T. (Methylene Blue Capacity) (ppb)				3.0		
pH				7.4		
Alkalinity, Mud Pm				1.0		
Alkalinities, Filtrate Pf/Mf						
Chlorides (mg/L)				400		
Calcium (ppm)				100		
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				5.6%		
Percent Drill Solids				5.6%		
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				E. Sanchez		

MUD VOLUME (BBL)

In Pits	623 bbl
In Hole	563 bbl
Active	1186 bbl
Storage	
Tot. on Location	1186 bbl

PUMP #1

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	120
gal/min	461

PUMP #2

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	120
gal/min	461

RISER BOOSTER

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

PHHP = 1186 **CIRCULATION DATA** n = 0.485 K = 123.538

Bit Depth = 3,213 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.							
21.0 bbl	Volume to Bit	57.1 bbl	Strokes To Bit	623	Time To Bit	3 min
	Bottoms Up Vol.	505.8 bbl	BottomsUp Stks	5,526	BottomsUp Time	23 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	3,213'	0'
Hevi Wt	5.500	3.000		3,213'
Dir. BHA	8.000	2.875		3,213'
				3,213'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface				108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	13.913		3,213'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	-904.6		9.59
13.913x5	3,213'	134.2	lam	9.81

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
13 1/4	0 ft	9.0	3,215 ft	357.2		927 psi

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	0.0
Transferred In(+)/Out(-)	1480.3
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	2.3
Water Added (+)	
Left on Cuttings (-)	-300.8
Sand Trap Discharge	
Est. Total on Location	1181.7
Est. Losses/Gains (-)/(+)	4.2

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
2.01	514 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
1093 lbs	251			

Remarks/Recommendations:

OBM RECEIVED: 2229 bbls / OBM RETURNED:

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

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

Rig Activity:

Skid over from ROMMEL Unit 3-H. M/U bit, and install MWD tool, controll drill to 673'. Resume drilling ahead from 673' to 3,213'. Average ROP: 357 ft/hr, SPP: 2204 psi, GPM: 923 gpm, TORQ: 3-8. Centrifuge/Desander/Desilter ran while drilling. Rolling WBM in frac tank to prevent sand settling out. Transfer water in/out as needed to maintain MWT. SAPP and Soap sweeps were pumped every 300' or as needed. At 3,000' SAPP was discontinued to allow for system viscosity increase. Building 100 bbl PHPA sweep to pump at T.D. Plan ahead is to finish drilling surface interval to estimated 3,514'.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Patrick Blair	Chris Beasley	MIDLAND	WH #2	
Phone: 936-465-0952	Phone: 903-747-5377	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$4,068.05	**$4,068.05**
INCLUDING 3RD PARTY CHARGES	**$4,068.05**	**$4,068.05**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/16/21	MAGNOLIA OIL & GAS	REDWOOD A 1H	248	Report #1

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56		200	170	30	$1,336.80	30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36		29	29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25		207	162	45	$506.25	45	$506.25
SOAP STICKS (ea)	each	$7.00		207	162	45	$315.00	45	$315.00
CACL2 (50)	50# sk	$14.32		252	252				
LIME (50)	50# sk	$5.00		325	325				
OPTI - G	50# sk	$30.59		120	120				
BENTONE 38 (50)	50# sk	$163.94		63	63				
BENTONE 910 (50)	50# sk	$59.40		40	40				
BENTONE 990 (50)	50# sk	$83.59		63	63				
OPTI - MUL	gal	$10.75		610	610				
OPTI - WET	gal	$8.34		605	605				
NEW PHALT	50# sk	$38.72		145	145				
OIL SORB (25)	25# sk	$4.75		130	130				
NEW CARB (M)	50# sk	$5.25		330	330				
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05		204	204				
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04		25	25				
MICA F (50)	50# sk	$10.28		40	40				
GRAPHITE POWDER F (50)	50# sk	$24.14		64	64				
NEW WATE (SACK BARITE)	100# sk	$11.50		80	80				
BARITE BULK (100)	100# sk	$7.00		1604	1604				
OPTI DRILL (OBM)	bbl	$65.00		2229	2229				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	2	$1,850.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	2	$60.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $4,068.05		Cumulative Total $4,068.05			$4,068.05	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/16/21	**MAGNOLIA OIL & GAS**	**REDWOOD A 1H**	**248**	**Report #1**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer F/Rommel 3H	gal	$2.39		14400	14400				

Cumulative Total AES & 3rd Party $4,068.05

07/17/21 **Report #2**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**0 ft**	**3,514 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**0 ft/hr**	**Transfer Report**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt/Kevin Cooper	**Tool Pusher**	**GIDDINGS (AC)**	**WBM**	**0 gpm**	

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**7-9**	**<25**	**2-10**
				7/16/21		7/16/21
Time Sample Taken				12:05		13:00
Sample Location				pit		pit
Flowline Temperature °F				120 °F		
Depth (ft)				3,200'		3,514'
Mud Weight (ppg)				9.1		9.1
Funnel Vis (sec/qt)			@ 90 °F	34		36
600 rpm				7		7
300 rpm				5		5
200 rpm				3		3
100 rpm				2		2
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	2		2
Yield Point (lb/100 ft²)			T0 = 1	3		3
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/2
Gel Strength (lb/100 ft^2)			30 min	4		5
API Filtrate / Cake Thickness				25/3		25/3
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				5.7%		5.7%
Retort Oil Content						
Retort Water Content				94.3%		94.3%
Sand Content				0.4%		0.5%
M.B.T. (Methylene Blue Capacity) (ppb)				3.0		3.0
pH				7.4		7.5
Alkalinity, Mud Pm				1.0		1.0
Alkalinities, Filtrate Pf/Mf						
Chlorides (mg/L)				400		400
Calcium (ppm)				100		100
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				5.6%		5.6%
Percent Drill Solids				5.6%		5.6%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				E. Sanchez		P. Blair

MUD VOLUME (BBL)

In Pits	
In Hole	328 bbl
Active	0 bbl
Storage	
Tot. on Location	328 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	
Stroke	
bbl/stk	0.0000
stk/min	
gal/min	0

PHHP = 0 **CIRCULATION DATA** n = 0.485 K = 123.538

Washout = 5% Pump Efficiency = 95%

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

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe			0'	0'
Hevi Wt				0'
Dir. BHA				0'
				0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,504'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	13.913	3,514'		

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
	13 1/4	0 ft	9.0	3,215 ft	357.2		

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	1185.9
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Sand Trap Discharge	-857.4
Est. Total on Location	328.5
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Remarks/Recommendations:

OBM RECEIVED: 2229 bbls / OBM RETURNED:

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

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

Rig Activity:

Skid over from ROMMEL Unit 3-H. M/U bit, and install MWD tool, controll drill to 673'. Resume drilling ahead from 673' to 3,213'. Average ROP: 357 ft/hr, SPP: 2204 psi, GPM: 923 gpm, TORQ: 3-8. Centrifuge/Desander/Desilter ran while drilling. Rolling WBM in frac tank to prevent sand settling out. Transfer water in/out as needed to maintain MWT. SAPP and Soap sweeps were pumped every 300' or as needed. At 3,000' SAPP was discontinued to allow for system viscosity increase. Building 100 bbl PHPA sweep to pump at T.D. Plan ahead is to finish drilling surface interval to estimated 3,514'.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Patrick Blair	Chris Beasley	MIDLAND	WH #2	
Phone: 936-465-0952	Phone: 903-747-5377	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$0.00	**$4,198.05**
INCLUDING 3RD PARTY CHARGES	**$0.00**	**$4,198.05**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/17/21	MAGNOLIA OIL & GAS	REDWOOD A 1H	248	Report #2

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	170	-170				30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29	-29					
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25	162	-162				45	$506.25
SOAP STICKS (ea)	each	$7.00	162	-162				45	$315.00
CACL2 (50)	50# sk	$14.32	252	-252					
LIME (50)	50# sk	$5.00	325	-325					
OPTI - G	50# sk	$30.59	120	-120					
BENTONE 38 (50)	50# sk	$163.94	63	-63					
BENTONE 910 (50)	50# sk	$59.40	40	-40					
BENTONE 990 (50)	50# sk	$83.59	63	-63					
OPTI - MUL	gal	$10.75	610	-610					
OPTI - WET	gal	$8.34	605	-605					
NEW PHALT	50# sk	$38.72	145	-145					
OIL SORB (25)	25# sk	$4.75	130	-130					
NEW CARB (M)	50# sk	$5.25	330	-330					
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	204	-204					
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	25	-25					
MICA F (50)	50# sk	$10.28	40	-40					
GRAPHITE POWDER F (50)	50# sk	$24.14	64	-64					
NEW WATE (SACK BARITE)	100# sk	$11.50	80	-80					
BARITE BULK (100)	100# sk	$7.00	1604	-1604					
OPTI DRILL (OBM)	bbl	$65.00	2229	-1901	328				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00						2	$1,980.00
ENGINEERING (DIEM)	bbl	$30.00						2	$60.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
					Cumulative Total	$4,198.05			$4,198.05

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/17/21	**MAGNOLIA OIL & GAS**	**REDWOOD A 1H**	**248**	**Report #2**

	DAILY USAGE & COST							CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer F/Rommel 3H	gal	$2.39	14400	-14400					

Cumulative Total AES & 3rd Party $4,198.05

07/29/21 **Report #3**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **572' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**3,514 ft**	**3,514 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**0 ft/hr**	**TIH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Brandon Parks / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.8	**20-40**	**8-20**	**>300**	**±275K**	**<10 <15**	**<10**
				7/29/21		7/28/21
Time Sample Taken				0:30		14:00
Sample Location				pit		pit
Flowline Temperature °F						
Depth (ft)				3,514'		3,514'
Mud Weight (ppg)				8.8		9.7
Funnel Vis (sec/qt)			@ 0 °F	44		46
600 rpm				28		41
300 rpm				18		25
200 rpm				13		19
100 rpm				9		13
6 rpm				4		6
3 rpm				3		5
Plastic Viscosity (cp)			@ 150 °F	10		16
Yield Point (lb/100 ft²)			T0 = 2	8		9
Gel Strength (lb/100 ft²)			10 sec/10 min	4/7		6/9
Gel Strength (lb/100 ft^2)			30 min	9		10
HTHP Filtrate (cm/30 min)			@ 300 °F	8.6		7.4
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				8.5%		13%
Corrected Solids (vol%)				6.1%		10.2%
Retort Oil Content				67.5%		60%
Retort Water Content				24%		27%
O/W Ratio				74:26		69:31
Whole Mud Chlorides (mg/L)				59,000		70,000
Water Phase Salinity (ppm)				278,232		289,036
Whole Mud Alkalinity, Pom				2.6		2.0
Excess Lime (lb/bbl)				3.4 ppb		2.6 ppb
Electrical Stability (volts)				450 v		410 v
Average Specific Gravity of Solids				2.56		2.75
Percent Low Gravity Solids				5.4%		7.8%
ppb Low Gravity Solids				44 ppb		64 ppb
Percent Barite				0.7%		2.4%
ppb Barite				10 ppb		34 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				C. Beasley	0	0

MUD VOLUME (BBL)

In Pits	753 bbl
In Hole	311 bbl
Active	776 bbl
Storage	1891 bbl
Tot. on Location	2955 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

PHHP = 0 **CIRCULATION DATA** n = 0.637 K = 172.351

Washout = 5% Pump Efficiency = 95%

Drill String Disp.				
16.8 bbl	Volume to Bit	0.0 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	23.4 bbl	BottomsUp Stks	BottomsUp Time
	Riser Ann. Vol.	-2.6 bbl	Riser Strokes	Riser Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	**-572'**	0'
Hevi Wt	5.000	3.000	274'	**-572'**
Collars	6.500	2.375	187'	**-298'**
Dir. BHA	8.000	3.000	111'	**-111'**

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,504'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	10.369	3,514'		

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	0.0		8.80
9.95x5	274'	0.0	lam	8.80
9.95x6.5	461'	0.0	lam	8.80
9.95x8	572'	0.0	lam	8.80

BIT DATA Manuf./Type ULTERRA SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	3,514 ft	9.0	0 ft	0.0

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	328.5
Transferred In(+)/Out(-)	2662.0
Oil Added (+)	125.6
Barite Added (+)	0.0
Other Product Usage (+)	3.8
Water Added (+)	
Left on Cuttings (-)	0.0
Centrifuge	-165.1
Est. Total on Location	2954.8
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			

Motor/MWD	Calc. Circ. Pressure
psi	

Remarks/Recommendations:

OBM RECEIVED: 2229 bbls / OBM RETURNED:

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

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

Rig Activity:

Walk rig F/Redwood C1H T/Redwood A 1H. Install BOP. Change out top RAMS and install VBR's RAMS. Test BOP. Rig Service. Mud in Pits was cut back with Centrifuge and Diesel dilution to 8.8 PPG. A pretreatment was mixed. P/U BHA and preparing to TIH.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Patrick Blair	Chris Beasley	MIDLAND	WH #2	
Phone: 936-465-0952	Phone: 903-747-5377	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$4,646.15	**$8,844.20**
INCLUDING 3RD PARTY CHARGES	**$16,491.70**	**$20,689.75**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/29/21	MAGNOLIA OIL & GAS	REDWOOD A 1H	248	Report #3

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56		93	93			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36		29	29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25		122	122			45	$506.25
SOAP STICKS (ea)	each	$7.00		122	122			45	$315.00
CACL2 (50)	50# sk	$14.32		168	168				
LIME (50)	50# sk	$5.00		350	300	50	$250.00	50	$250.00
OPTI - G	50# sk	$30.59		60	60				
BENTONE 38 (50)	50# sk	$163.94		63	63				
BENTONE 910 (50)	50# sk	$59.40		49	44	5	$297.00	5	$297.00
BENTONE 990 (50)	50# sk	$83.59		49	44	5	$417.95	5	$417.95
OPTI - MUL	gal	$10.75		550	440	110	$1,182.50	110	$1,182.50
OPTI - WET	gal	$8.34		550	495	55	$458.70	55	$458.70
NEW PHALT	50# sk	$38.72		105	105				
OIL SORB (25)	25# sk	$4.75		44	44				
NEW CARB (M)	50# sk	$5.25		269	269				
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05		154	154				
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04		25	25				
MICA F (50)	50# sk	$10.28		40	40				
GRAPHITE POWDER F (50)	50# sk	$24.14		64	64				
NEW WATE (SACK BARITE)	100# sk	$11.50		80	80				
BARITE BULK (100)	100# sk	$7.00		1500	1500				
OPTI DRILL (OBM)	bbl	$65.00	328	2662	2990				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	4	$3,960.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	4	$120.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $4,646.15			**Cumulative Total $8,844.20**			**$8,844.20**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/29/21	MAGNOLIA OIL & GAS	REDWOOD A 1H	248	Report #3

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31		3154		3154	$7,285.74	3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33		7196	5239	1957	$4,559.81	1957	$4,559.81
DIESEL 07-28-21	gal	$2.34		7200	7200				
						Daily Sub-Total	$11,845.55		$11,845.55

Cumulative Total AES & 3rd Party $20,689.75

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8																				
Grand Totals	Starting Depth	3,514	3,514																			
	Ending Depth	3,514																				
-	Footage Drilled	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	New Hole Vol.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955
4	Chemical Additions	4																				
126	Base Fluid Added	126																				
-	Barite Increase																					
-	Weighted Mud Added																					
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
130	Total Additions	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
-	Mud Loss to Cuttings																					
-	Unrecoverable Volume																					
165	Centrifuge Losses	165																				
165	Total Losses	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,955	Ending System Volume	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955	2,955
-	Mud Recovered																					

	Comments:	Comments:	Comments:
	7/29/21 2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21	8/12/21
2,990	7/30/21	8/6/21	8/13/21
	7/31/21	8/7/21	8/14/21
	8/1/21	8/8/21	8/15/21
	8/2/21	8/9/21	8/16/21
	8/3/21	8/10/21	8/17/21
	8/4/21	8/11/21	8/18/21

07/17/21 **Report #2**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**0 ft**	**3,514 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**0 ft/hr**	**Transfer Report**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt/Kevin Cooper	**Tool Pusher**	**GIDDINGS (AC)**	**WBM**	**0 gpm**	

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**7-9**	**<25**	**2-10**
				7/16/21		7/16/21
Time Sample Taken				12:05		13:00
Sample Location				pit		pit
Flowline Temperature °F				120 °F		
Depth (ft)				3,200'		3,514'
Mud Weight (ppg)				9.1		9.1
Funnel Vis (sec/qt)			@ 90 °F	34		36
600 rpm				7		7
300 rpm				5		5
200 rpm				3		3
100 rpm				2		2
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	2		2
Yield Point (lb/100 ft²)			T0 = 1	3		3
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/2
Gel Strength (lb/100 ft^2)			30 min	4		5
API Filtrate / Cake Thickness				25/3		25/3
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				5.7%		5.7%
Retort Oil Content						
Retort Water Content				94.3%		94.3%
Sand Content				0.4%		0.5%
M.B.T. (Methylene Blue Capacity) (ppb)				3.0		3.0
pH				7.4		7.5
Alkalinity, Mud Pm				1.0		1.0
Alkalinities, Filtrate Pf/Mf						
Chlorides (mg/L)				400		400
Calcium (ppm)				100		100
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				5.6%		5.6%
Percent Drill Solids				5.6%		5.6%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				E. Sanchez		P. Blair

MUD VOLUME (BBL)

In Pits	
In Hole	328 bbl
Active	0 bbl
Storage	
Tot. on Location	328 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	
Stroke	
bbl/stk	0.0000
stk/min	
gal/min	0

PHHP = 0 **CIRCULATION DATA** n = 0.485 K = 123.538

Washout = 5% Pump Efficiency = 95%

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

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe			0'	0'
Hevi Wt				0'
Dir. BHA				0'
				0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,504'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	13.913	3,514'		

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
	13 1/4	0 ft	9.0	3,215 ft	357.2		

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	1185.9
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Sand Trap Discharge	-857.4
Est. Total on Location	328.5
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Remarks/Recommendations:

OBM RECEIVED: 2229 bbls / OBM RETURNED:

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

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

Rig Activity:

Skid over from ROMMEL Unit 3-H. M/U bit, and install MWD tool, controll drill to 673'. Resume drilling ahead from 673' to 3,213'. Average ROP: 357 ft/hr, SPP: 2204 psi, GPM: 923 gpm, TORQ: 3-8. Centrifuge/Desander/Desilter ran while drilling. Rolling WBM in frac tank to prevent sand settling out. Transfer water in/out as needed to maintain MWT. SAPP and Soap sweeps were pumped every 300' or as needed. At 3,000' SAPP was discontinued to allow for system viscosity increase. Building 100 bbl PHPA sweep to pump at T.D. Plan ahead is to finish drilling surface interval to estimated 3,514'.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Patrick Blair	Chris Beasley	MIDLAND	WH #2	
Phone: 936-465-0952	Phone: 903-747-5377	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$0.00	**$4,198.05**
INCLUDING 3RD PARTY CHARGES	**$0.00**	**$4,198.05**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/17/21	MAGNOLIA OIL & GAS	REDWOOD A 1H	248	Report #2

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	170	-170				30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29	-29					
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25	162	-162				45	$506.25
SOAP STICKS (ea)	each	$7.00	162	-162				45	$315.00
CACL2 (50)	50# sk	$14.32	252	-252					
LIME (50)	50# sk	$5.00	325	-325					
OPTI - G	50# sk	$30.59	120	-120					
BENTONE 38 (50)	50# sk	$163.94	63	-63					
BENTONE 910 (50)	50# sk	$59.40	40	-40					
BENTONE 990 (50)	50# sk	$83.59	63	-63					
OPTI - MUL	gal	$10.75	610	-610					
OPTI - WET	gal	$8.34	605	-605					
NEW PHALT	50# sk	$38.72	145	-145					
OIL SORB (25)	25# sk	$4.75	130	-130					
NEW CARB (M)	50# sk	$5.25	330	-330					
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	204	-204					
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	25	-25					
MICA F (50)	50# sk	$10.28	40	-40					
GRAPHITE POWDER F (50)	50# sk	$24.14	64	-64					
NEW WATE (SACK BARITE)	100# sk	$11.50	80	-80					
BARITE BULK (100)	100# sk	$7.00	1604	-1604					
OPTI DRILL (OBM)	bbl	$65.00	2229	-1901	328				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00						2	$1,980.00
ENGINEERING (DIEM)	bbl	$30.00						2	$60.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
					Cumulative Total	$4,198.05			$4,198.05

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/17/21	**MAGNOLIA OIL & GAS**	**REDWOOD A 1H**	**248**	**Report #2**

	DAILY USAGE & COST							CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer F/Rommel 3H	gal	$2.39	14400	-14400					

Cumulative Total AES & 3rd Party $4,198.05

07/30/21 **Report #4**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **7,371' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**3,857 ft**	**7,371 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**420 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Brandon Parks / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**785 gpm**	**3,824 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.8	**20-40**	**8-20**	**>300**	**±275K**	**<10 <15**	**<10**
				7/30/21		7/29/21
Time Sample Taken				0:30		14:00
Sample Location				pit		pit
Flowline Temperature °F				156 °F		155 °F
Depth (ft)				7,371'		6,344'
Mud Weight (ppg)				9.3		9.1
Funnel Vis (sec/qt)			@ 143 °F	42		42
600 rpm				32		30
300 rpm				21		20
200 rpm				17		15
100 rpm				13		12
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	11		10
Yield Point (lb/100 ft²)			T0 = 4	10		10
Gel Strength (lb/100 ft²)			10 sec/10 min	6/8		6/8
Gel Strength (lb/100 ft^2)			30 min	11		10
HTHP Filtrate (cm/30 min)			@ 300 °F	8.0		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				10.5%		10%
Corrected Solids (vol%)				7.6%		7.2%
Retort Oil Content				61.5%		62%
Retort Water Content				28%		28%
O/W Ratio				69:31		69:31
Whole Mud Chlorides (mg/L)				70,800		71,000
Water Phase Salinity (ppm)				283,925		284,499
Whole Mud Alkalinity, Pom				2.1		2.0
Excess Lime (lb/bbl)				2.7 ppb		2.6 ppb
Electrical Stability (volts)				425 v		430 v
Average Specific Gravity of Solids				2.73		2.52
Percent Low Gravity Solids				5.9%		6.5%
ppb Low Gravity Solids				49 ppb		53 ppb
Percent Barite				1.7%		0.7%
ppb Barite				24 ppb		10 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				C. Beasley	0	M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	541 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
In Hole	680 bbl	Stroke	12	Stroke	12	Stroke	
Active	1221 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Storage	2042 bbl	stk/min	122	stk/min	123	stk/min	
Tot. on Location	3263 bbl	gal/min	391	gal/min	394	gal/min	0

PHHP = 1752 **CIRCULATION DATA** n = 0.608 K = 242.063

Bit Depth = 7,371 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.							
61.2 bbl	Volume to Bit	125.2 bbl	Strokes To Bit	1,640	Time To Bit	7 min
	Bottoms Up Vol.	554.5 bbl	BottomsUp Stks	7,267	BottomsUp Time	30 min
	TotalCirc.Vol.	1220.7 bbl	TotalCirc.Stks	15,997	Total Circ. Time	65 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	6,799'	0'
Hevi Wt	5.000	3.000	274'	6,799'
Collars	6.500	2.375	187'	7,073'
Dir. BHA	8.000	3.000	111'	7,260'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		0'	
Surface	10 3/4	9.950	3,504'	0'
Int. Csg.				0'
Washout 1				
Washout 2				

Open Hole Size 10.369 7,371'

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	3,504'	260.1	turb	9.88
10.369x5	6,799'	233.2	lam	10.07
10.369x5	7,073'	233.2	lam	10.44
10.369x6.5	7,260'	294.9	turb	10.81
10.369x8	7,371'	442.3	turb	11.19

BIT DATA Manuf./Type ULTERRA SPL613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	3,514 ft	24.0	3,857 ft	160.7	3,839 psi	5,800 psi

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2954.8
Transferred In(+)/Out(-)	488.0
Oil Added (+)	170.8
Barite Added (+)	20.9
Other Product Usage (+)	8.2
Water Added (+)	60.0
Left on Cuttings (-)	-362.5
Centrifuge	-40.0
Non-Recoverable Vol. (-)	-36.5
Est. Total on Location	3263.7
Est. Losses/Gains (-)/(+)	-1.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.42	238 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
639 lbs	169			

Remarks/Recommendations:

Increase MW to 9.6 PPG by 8000'.

Rig Activity:

Trip in hole with BHA #2, drill cement and 10' of new formation from 3514 to 3524, circulate hole clean and perform FIT to 500 PSI or 11.6 EMW, continue drilling, rotate and sliding up to 800 FPH. Rig shakers and drying shakers are efficiently processing up to 900 GPM pump output with no screen blinding observed. At 6611 noticed sloughing shale, started increasing MW slowly from 9.1 PPG to 9.4 PPG. Currently drilling shale at 7371'. 450 FPH rotating and 45 FPH sliding. Torque 8 kFT-LBS. Adding diesel for oil wetting of solids, lime for alkalinity and Bentone clays to maintain rheologies and corresponding hole cleaning. Increasing MW Slowly to 9.6 by 8000' with additions of 13.5 OBM. MWD temp 210.

Eng. 1:	Patrick Blair	Eng. 2:	Chris Beasley	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	936-465-0952	Phone:	903-747-5377	Phone:	432-686-7361	Phone:	-	

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

	Daily Total	Cumulative Cost
	$8,734.23	**$17,578.43**
INCLUDING 3RD PARTY CHARGES	**$25,471.34**	**$46,161.09**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/30/21	MAGNOLIA OIL & GAS	REDWOOD 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	93		93			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25	122		122			45	$506.25
SOAP STICKS (ea)	each	$7.00	122		122			45	$315.00
CACL2 (50)	50# sk	$14.32	168		168				
LIME (50)	50# sk	$5.00	300		300			50	$250.00
OPTI - G	50# sk	$30.59	60		35	25	$764.75	25	$764.75
BENTONE 38 (50)	50# sk	$163.94	63		63				
BENTONE 910 (50)	50# sk	$59.40	44		30	14	$831.60	19	$1,128.60
BENTONE 990 (50)	50# sk	$83.59	44		37	7	$585.13	12	$1,003.08
OPTI - MUL	gal	$10.75	440		440			110	$1,182.50
OPTI - WET	gal	$8.34	495		495			55	$458.70
NEW PHALT	50# sk	$38.72	105		75	30	$1,161.60	30	$1,161.60
OIL SORB (25)	25# sk	$4.75	44		44				
NEW CARB (M)	50# sk	$5.25	269		264	5	$26.25	5	$26.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	154		149	5	$140.25	5	$140.25
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	25		25				
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk	$24.14	64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1500	401	1600	301	$2,107.00	301	$2,107.00
OPTI DRILL (OBM)	bbl	$65.00	2990	-354	2636				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	6	$5,940.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	6	$180.00
ENGINEERING (MILES)	each	$1.00							
Trucking (scale)	each	$15.00				1	$15.00	1	$15.00
TRUCKING (cwt)	each	$2.65				401	$1,062.65	401	$1,062.65
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							

Daily Sub-Total $8,734.23	Cumulative Total $17,578.43	$17,578.43

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/30/21	**MAGNOLIA OIL & GAS**	**REDWOOD 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
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31						3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33	5239			5239	$12,206.87	7196	$16,766.68
DIESEL 07-28-21	gal	$2.34	7200		5264	1936	$4,530.24	1936	$4,530.24

						Daily Sub-Total	**$16,737.11**		**$28,582.66**

Cumulative Total AES & 3rd Party $46,161.09

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8	9 7/8																			
	Starting Depth	3,514	3,514	7,371																		
	Ending Depth	3,514	7,371																			
3,857	Footage Drilled	-	3,857	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
365	New Hole Vol.	-	365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263
12	Chemical Additions	4	8																			
297	Base Fluid Added	126	171																			
21	Barite Increase		21																			
488	Weighted Mud Added		488																			
-	Slurry Added																					
60	Water Added		60																			
-	Added for Washout																					
878	Total Additions	130	748	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
363	Mud Loss to Cuttings		363																			
37	Unrecoverable Volume		37																			
205	Centrifuge Losses	165	40																			
605	Total Losses	165	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,263	Ending System Volume	2,955	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263	3,263
-	Mud Recovered																					

3,478

Comments:		Comments:	Comments:
7/29/21	2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21	8/12/21
7/30/21	488 from mud plant. 363 lost to cuttings, 37 lost to evap, 40 lost to centrifuge.	8/6/21	8/13/21
7/31/21		8/7/21	8/14/21
8/1/21		8/8/21	8/15/21
8/2/21		8/9/21	8/16/21
8/3/21		8/10/21	8/17/21
8/4/21		8/11/21	8/18/21

07/31/21 **Report #5**

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

OUTSOURCE FLUID SOLUTIONS LLC.

2.3° **10,308' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**2,940 ft**	**10,311 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**27 ft/hr**	**DRILL/SLIDE**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Brandon Parks / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**692 gpm**	**3,449 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.8	**20-40**	**8-20**	**>300**	**±275K**	**<10 <15**	**<10**
				7/31/21		7/30/21
Time Sample Taken				0:30		14:30
Sample Location				pit		shaker
Flowline Temperature °F				168 °F		172 °F
Depth (ft)				10,311'		9,045'
Mud Weight (ppg)				9.6		9.6
Funnel Vis (sec/qt)			@ 161 °F	45		43
600 rpm				43		42
300 rpm				27		27
200 rpm				18		16
100 rpm				12		12
6 rpm				7		7
3 rpm				6		6
Plastic Viscosity (cp)			@ 150 °F	16		15
Yield Point (lb/100 ft²)			T0 = 5	11		12
Gel Strength (lb/100 ft²)			10 sec/10 min	6/8		6/9
Gel Strength (lb/100 ft^2)			30 min	11		12
HTHP Filtrate (cm/30 min)			@ 300 °F	8.2		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				12%		12%
Corrected Solids (vol%)				9.1%		9.1%
Retort Oil Content				60%		61%
Retort Water Content				28%		27%
O/W Ratio				68:32		69:31
Whole Mud Chlorides (mg/L)				70,800		71,000
Water Phase Salinity (ppm)				283,925		291,959
Whole Mud Alkalinity, Pom				2.4		2.8
Excess Lime (lb/bbl)				3.1 ppb		3.6 ppb
Electrical Stability (volts)				465 v		458 v
Average Specific Gravity of Solids				2.82		2.83
Percent Low Gravity Solids				6.7%		6.6%
ppb Low Gravity Solids				55 ppb		54 ppb
Percent Barite				2.4%		2.5%
ppb Barite				35 ppb		36 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				C. Beasley	0	M Washburn

MUD VOLUME (BBL)

In Pits	545 bbl	Active	1446 bbl
In Hole	901 bbl	Storage	1870 bbl
Tot. on Location	3316 bbl		

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	107
gal/min	343

PUMP #2

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

RISER BOOSTER

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

PHHP = 1393 **CIRCULATION DATA** n = 0.671 K = 209.200

Bit Depth = 10,311 ' | Washout = 0% | Pump Efficiency = 95%

Drill String Disp.					
80.4 bbl	Volume to Bit	177.4 bbl	Strokes To Bit	2,324	Time To Bit 11 min
	Bottoms Up Vol.	724.1 bbl	BottomsUp Stks	9,489	BottomsUp Time 44 min
	TotalCirc.Vol.	1446.4 bbl	TotalCirc.Stks	18,955	Total Circ. Time 88 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	9,739'	0'
Hevi Wt	5.000	3.000	274'	9,739'
Collars	6.500	2.375	187'	10,013'
Dir. BHA	8.000	3.000	111'	10,200'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		0'	
Surface	10 3/4	9.950	3,504'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	9.875	10,311'		

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	3,504'	229.3	lam	9.85
9.875x5	9,739'	234.0	lam	9.86
9.875x5	10,013'	234.0	lam	9.89
9.875x6.5	10,200'	307.0	turb	9.91
9.875x8	10,311'	506.3	turb	9.96

BIT DATA Manuf./Type ULTERRA SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	3,514 ft	48.0	6,797 ft	141.6

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	24.0
Shaker 2	140	24.0
Shaker 3	140	24.0
Desander		
Desilter		
Centrifuge 1		8.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2635.7
Transferred In(+)/Out(-)	856.3
Oil Added (+)	168.0
Barite Added (+)	0.0
Other Product Usage (+)	4.5
Water Added (+)	55.0
Left on Cuttings (-)	-272.9
Centrifuge	-55.0
Non-Recoverable Vol. (-)	-75.0
Est. Total on Location	3316.5
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.00	191 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
513 lbs	149			

Motor/MWD	Calc. Circ. Pressure
3,449 psi	5,620 psi

Remarks/Recommendations:

Increase MW to 9.6 PPG by 8000'.

Sweep: 5 magmafiber, 5 newcarb M, 5 new phalt, 5 bentone 910.

Rig Activity:

Continue drilling, rotate and slide 9-7/8" hole section. Increase mud wt slowly at 6600 from 9.1# to 9.4# in response to blocky shale and increase from 9.4# to 9.6# at 7500 after observing large pieces of shale and some occasional lignite pieces up to 3". Start pumping LCM HI-VISC sweeps at 7000 to assist in hole cleaning. Adding diesel and water to maintain OWR, OPTIG (gilsonite) for HTHP control, Newphalt (sulfonated asphalt) for well bore stability, and Bentone 910 and 990 for rheologies. Current depth is 10,311'. MWD Temp 232. TQ 12 while rotating. Centrifuge was ran on active system to maintain 9.6 PPG MW as needed. Water is off as of midnight to maintain OWR.

Eng. 1:	Mike Washburn	Eng. 2:	Chris Beasley	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	903-747-5377	Phone:	432-686-7361	Phone:	-	

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

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

	Daily Total	Cumulative Cost
	$3,670.32	**$21,248.75**
INCLUDING 3RD PARTY CHARGES	**$20,050.32**	**$66,211.41**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/31/21	MAGNOLIA OIL & GAS	REDWOOD 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	93		93			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25	122		122			45	$506.25
SOAP STICKS (ea)	each	$7.00	122		122			45	$315.00
CACL2 (50)	50# sk	$14.32	168		168				
LIME (50)	50# sk	$5.00	300		250	50	$250.00	100	$500.00
OPTI - G	50# sk	$30.59	35		35			25	$764.75
BENTONE 38 (50)	50# sk	$163.94	63		63				
BENTONE 910 (50)	50# sk	$59.40	30		27	3	$178.20	22	$1,306.80
BENTONE 990 (50)	50# sk	$83.59	37		34	3	$250.77	15	$1,253.85
OPTI - MUL	gal	$10.75	440		385	55	$591.25	165	$1,773.75
OPTI - WET	gal	$8.34	495		495			55	$458.70
NEW PHALT	50# sk	$38.72	75		70	5	$193.60	35	$1,355.20
OIL SORB (25)	25# sk	$4.75	44		44				
NEW CARB (M)	50# sk	$5.25	264		259	5	$26.25	10	$52.50
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	149		144	5	$140.25	10	$280.50
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	25		25				
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk	$24.14	64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1600		1600			301	$2,107.00
OPTI DRILL (OBM)	bbl	$65.00	2636	742	3378				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	8	$7,920.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	8	$240.00
ENGINEERING (MILES)	each	$1.00							
Trucking (scale)	each	$15.00						1	$15.00
TRUCKING (cwt)	each	$2.65						401	$1,062.65
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $3,670.32			Cumulative Total $21,248.75			$21,248.75	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/31/21	MAGNOLIA OIL & GAS	REDWOOD 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
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31						3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33						7196	$16,766.68
DIESEL 07-28-21	gal	$2.34	5264		5264			1936	$4,530.24
DIESEL 07-30-21	gal	$2.34		7000		7000	$16,380.00	7000	$16,380.00

Daily Sub-Total $16,380.00

$44,962.66

Cumulative Total AES & 3rd Party $66,211.41

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8	9 7/8	9 7/8																		
	Starting Depth	3,514	3,514	7,371	10,311																	
	Ending Depth	3,514	7,371	10,311																		
6,797	Footage Drilled	-	3,857	2,940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
644	New Hole Vol.	-	365	279	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	3,263	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316
17	Chemical Additions	4	8	5																		
465	Base Fluid Added	126	171	168																		
21	Barite Increase		21																			
716	Weighted Mud Added		488	228																		
-	Slurry Added																					
115	Water Added		60	55																		
-	Added for Washout																					
1,334	Total Additions	130	748	456	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
636	Mud Loss to Cuttings		363	273																		
112	Unrecoverable Volume		37	75																		
260	Centrifuge Losses	165	40	55																		
1,008	Total Losses	165	440	403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,316	Ending System Volume	2,955	3,263	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316	3,316
-	Mud Recovered																					

3,706

Comments:		Comments:	Comments:
7/29/21	2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21	8/12/21
7/30/21	488 from mud plant. 363 lost to cuttings, 37 lost to evap, 40 lost to centrifuge.	8/6/21	8/13/21
7/31/21	228 from mud plant. 273 lost to cuttings, 75 lost to evap, 55 lost to centrifuge.	8/7/21	8/14/21
8/1/21		8/8/21	8/15/21
8/2/21		8/9/21	8/16/21
8/3/21		8/10/21	8/17/21
8/4/21		8/11/21	8/18/21

08/01/21 **Report #6**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**755 ft**	**11,063 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**0 ft/hr**	**TRIP/CASING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Brandon Parks / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.8	**20-40**	**8-20**	**>300**	**±275K**	**<10 <15**	**<10**
				8/1/21		7/31/21
Time Sample Taken				0:30		14:30
Sample Location				pit		shaker
Flowline Temperature °F						175 °F
Depth (ft)				11,063'		11,060'
Mud Weight (ppg)				9.6		9.6
Funnel Vis (sec/qt)			@ 165 °F	42		42
600 rpm				38		39
300 rpm				24		25
200 rpm				17		18
100 rpm				12		13
6 rpm				6		7
3 rpm				5		6
Plastic Viscosity (cp)			@ 150 °F	14		14
Yield Point (lb/100 ft²)			T0 = 4	10		11
Gel Strength (lb/100 ft²)			10 sec/10 min	5/8		6/10
Gel Strength (lb/100 ft^2)			30 min	10		12
HTHP Filtrate (cm/30 min)			@ 300 °F	7.4		7.4
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				12%		12%
Corrected Solids (vol%)				9.1%		9.1%
Retort Oil Content				60%		60%
Retort Water Content				28%		28%
O/W Ratio				68:32		68:32
Whole Mud Chlorides (mg/L)				71,500		72,100
Water Phase Salinity (ppm)				285,929		287,638
Whole Mud Alkalinity, Pom				2.6		2.8
Excess Lime (lb/bbl)				3.4 ppb		3.6 ppb
Electrical Stability (volts)				488 v		495 v
Average Specific Gravity of Solids				2.81		2.80
Percent Low Gravity Solids				6.7%		6.7%
ppb Low Gravity Solids				55 ppb		55 ppb
Percent Barite				2.4%		2.4%
ppb Barite				35 ppb		34 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				C. Beasley	0	M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	613 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
In Hole	1053 bbl	Stroke	12	Stroke	12	Stroke	
Active	613 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Storage	1754 bbl	stk/min		stk/min		stk/min	
Tot. on Location	3420 bbl	gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA			
PHHP = 0			n = 0.663 K = 195.972
Bit Depth = '		Washout = 0%	Pump Efficiency = 95%
Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol. 0.0 bbl	BottomsUp Stks	BottomsUp Time
0.0 bbl	TotalCirc.Vol. 613.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe			0'	0'
Hevi Wt				0'
Collars				0'
Dir. BHA				0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		0'	
Surface	10 3/4	9.950	3,504'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	9.875	11,063'		

ANNULAR GEOMETRY & RHEOLOGY

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

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3316.4
Transferred In(+)/Out(-)	150.8
Oil Added (+)	93.1
Barite Added (+)	0.0
Other Product Usage (+)	9.8
Water Added (+)	
Left on Cuttings (-)	-70.1
Centrifuge	-25.0
Non-Recoverable Vol. (-)	-55.0
Est. Total on Location	3420.0
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			

BIT DATA

Manuf./Type	Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
ULTERRA SPL613	9 7/8	3,514 ft	66.0	7,552 ft	114.4	3,449 psi	

Remarks/Recommendations:

Increase MW to 9.6 PPG by 8000'.

Sweep: 5 magmafiber, 5 newcarb M, 5 new phalt, 5 bentone 910.

Rig Activity:

Continue drilling 9-7/8" intermediate hole section. Maintain mud wt at 9.6, cuttings are uniform PDC generated shale cuttings, no oversized, sloughing or blocky pieces noted. Adding diesel for oil wetting of solids and density control, add water to offset evaporation to maintain OWR. Added OPTIWET and OPTIG for HTHP and wellbore integrity. Rig up transfer line from frac tanks to rig pits to transfer production water when drilling lateral section with water under a mud cap with no returns. Reached TD @ 11,063'. Pumped high vis sweeps and circulated hole clean. Flow check. Pumped slug and POOH racking back BHA.

Eng. 1:	Mike Washburn	Eng. 2:	Chris Beasley	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	903-747-5377	Phone:	432-686-7361	Phone:	-	

W P Y E C g G H O
1 0 1 1 2 1 1 1 1

	Daily Total	Cumulative Cost
	$4,704.15	**$25,952.90**
INCLUDING 3RD PARTY CHARGES	**$13,561.05**	**$79,772.46**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/01/21	MAGNOLIA OIL & GAS	REDWOOD 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	93		93			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25	122		122			45	$506.25
SOAP STICKS (ea)	each	$7.00	122		122			45	$315.00
CACL2 (50)	50# sk	$14.32	168		168				
LIME (50)	50# sk	$5.00	250		200	50	$250.00	150	$750.00
OPTI - G	50# sk	$30.59	35			35	$1,070.65	60	$1,835.40
BENTONE 38 (50)	50# sk	$163.94	63		63				
BENTONE 910 (50)	50# sk	$59.40	27		27			22	$1,306.80
BENTONE 990 (50)	50# sk	$83.59	34		34			15	$1,253.85
OPTI - MUL	gal	$10.75	385		385			165	$1,773.75
OPTI - WET	gal	$8.34	495		370	125	$1,042.50	180	$1,501.20
NEW PHALT	50# sk	$38.72	70		70			35	$1,355.20
OIL SORB (25)	25# sk	$4.75	44		44				
NEW CARB (M)	50# sk	$5.25	259		259			10	$52.50
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	144		144			10	$280.50
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	25			25	$301.00	25	$301.00
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk	$24.14	64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1600		1600			301	$2,107.00
OPTI DRILL (OBM)	bbl	$65.00	3378		3378				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	10	$9,900.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	10	$300.00
ENGINEERING (MILES)	each	$1.00							
Trucking (scale)	each	$15.00						1	$15.00
TRUCKING (cwt)	each	$2.65						401	$1,062.65
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $4,704.15			Cumulative Total $25,952.90			$25,952.90	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/01/21	MAGNOLIA OIL & GAS	REDWOOD A 1H	248	Report #6

Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
				DAILY USAGE & COST				CUMULATIVE	
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31						3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33						7196	$16,766.68
DIESEL 07-28-21	gal	$2.34	5264		1479	3785	$8,856.90	5721	$13,387.14
DIESEL 07-30-21	gal	$2.34						7000	$16,380.00
Diesel 07-31-21	gal	$2.38		7200	7200				

Daily Sub-Total $8,856.90

$53,819.56

Cumulative Total AES & 3rd Party $79,772.46

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8																	
	Starting Depth	3,514	3,514	7,371	10,311	11,063																
	Ending Depth	3,514	7,371	10,311	11,063																	
7,549	Footage Drilled	-	3,857	2,940	752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
715	New Hole Vol.	-	365	279	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	3,263	3,316	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420
27	Chemical Additions	4	8	5	10																	
558	Base Fluid Added	126	171	168	93																	
21	Barite Increase		21																			
716	Weighted Mud Added		488	228																		
-	Slurry Added																					
115	Water Added		60	55																		
151	Added for Washout				151																	
1,588	Total Additions	130	748	456	254	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
706	Mud Loss to Cuttings		363	273	70																	
167	Unrecoverable Volume		37	75	55																	
285	Centrifuge Losses	165	40	55	25																	
1,158	Total Losses	165	440	403	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,420	Ending System Volume	2,955	3,263	3,316	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420	3,420
-	Mud Recovered																					

3,706

Comments:		Comments:	Comments:
7/29/21	2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21	8/12/21
7/30/21	488 from mud plant. 363 lost to cuttings, 37 lost to evap, 40 lost to centrifuge.	8/6/21	8/13/21
7/31/21	228 from mud plant. 273 lost to cuttings, 75 lost to evap, 55 lost to centrifuge.	8/7/21	8/14/21
8/1/21		8/8/21	8/15/21
8/2/21		8/9/21	8/16/21
8/3/21		8/10/21	8/17/21
8/4/21		8/11/21	8/18/21

08/02/21 **Report #7**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**0 ft**	**11,063 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**0 ft/hr**	**Cement**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Brandon Parks / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	613 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
9-9.8	**20-40**	**8-20**	**>300**	**±275K**	**<10 <15**	**<10**	In Hole	508 bbl	Stroke	12	Stroke	12	Stroke	
				8/1/21		7/31/21	Active	613 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				0:30		14:30	Storage	2362 bbl	stk/min		stk/min		stk/min	
Sample Location				pit		pit	Tot. on Location	3483 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.686	K = 162.785
Depth (ft)				11,063'		11,063'			Washout = 0%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.7		9.7	Drill String Disp.	Volume to Bit	0.0 bbl	Strokes To Bit		Time To Bit		
Funnel Vis (sec/qt)			@ 110 °F	47		47		Bottoms Up Vol.	0.0 bbl	BottomsUp Stks		BottomsUp Time		
600 rpm				37		37	0.0 bbl	TotalCirc.Vol.	613.0 bbl	TotalCirc.Stks		Total Circ. Time		
300 rpm				23		23	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				16		16	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				11		11	Casing			0'	0'		Shaker 1	140	24.0
6 rpm				6		6	Hevi Wt				0'		Shaker 2	140	24.0
3 rpm				5		5	Collars				0'		Shaker 3	140	24.0
Plastic Viscosity (cp)			@ 150 °F	14		14	Dir. BHA				0'		Desander		
Yield Point (lb/100 ft²)		T0 =	4	9		9	**CASING & HOLE DATA**						Desilter		
Gel Strength (lb/100 ft²)		10 sec/10 min		5/9		5/9	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1		
Gel Strength (lb/100 ft^2)			30 min	11		11	Riser	20		0'			**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)			@ 300 °F	7.4		7.4	Surface	10 3/4	9.950	3,504'	0'		Prev. Total on Location		3420.1
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	11,055'	0'		Transferred In(+)/Out(-)		18.1
Retort Solids Content				12%		12%	Washout 1						Oil Added (+)		35.2
Corrected Solids (vol%)				9.2%		9.2%	Washout 2						Barite Added (+)		0.0
Retort Oil Content				61%		61%	Open Hole Size		9.875	11,063'			Other Product Usage (+)		0.0
Retort Water Content				27%		27%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		10.0
O/W Ratio				69:31		69:31	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		0.0
Whole Mud Chlorides (mg/L)				69,000		69,000							Transferred		
Water Phase Salinity (ppm)				286,088		286,088							Non-Recoverable Vol. (-)		
Whole Mud Alkalinity, Pom				2.4		2.4							Est. Total on Location		3483.4
Excess Lime (lb/bbl)				3.1 ppb		3.1 ppb							Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				467 v		467 v							**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				2.97		2.96							Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				5.9%		6%							0.00	psi	14 14 14
ppb Low Gravity Solids				49 ppb		49 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	14 14 14
Percent Barite				3.3%		3.2%									16 16 16
ppb Barite				47 ppb		47 ppb	**BIT DATA**		Manuf./Type	ULTERRA SPL613			0 lbs	0	
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				C. Beasley	0	M Washburn	9 7/8	3,514 ft	66.0	7,552 ft	114.4		3,449 psi		

Remarks/Recommendations:

Rig Activity:

Finish pull out of hole to BHA, remove MWD tool, drain motor, break out bit lay out same. Change Top Rams to 7-5/8" for casing run. Rig up casing tools, make up shoe track and test float equipment. Run 7-5/8 OD X 6 7/8 ID intermediate casing to 11055'. Circulate 1.5 casing capacity. 105 SPM 350 GPM. Pump 40 BBLS of spacer, 325 BBLS of lead cement, 78 BBLS of tail cement, drop plug and displace with 503 BBLS of 9.6 OBM. Spacer and 13 BBLS of cement was diverted to the open top. Slow down the last 20 BBLS, bump plug 500 PSI over and hold for 5 min. Release PSI and check floats. Test casing to 3500 PSI hold for 30 min. R/D cement equipment.

Eng. 1:	Mike Washburn	Eng. 2:	Chris Beasley	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	Phone:	903-747-5377	Phone:	432-686-7361	Phone:	-	

W P Y E C g G H O
1 0 1 1 2 1 1 1 1

	Daily Total	Cumulative Cost
	$2,040.00	**$27,992.90**
INCLUDING 3RD PARTY CHARGES	**$5,500.86**	**$85,273.32**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/02/21	MAGNOLIA OIL & GAS	REDWOOD 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	93		93			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25	122		122			45	$506.25
SOAP STICKS (ea)	each	$7.00	122		122			45	$315.00
CACL2 (50)	50# sk	$14.32	168		168				
LIME (50)	50# sk	$5.00	200		200			150	$750.00
OPTI - G	50# sk	$30.59						60	$1,835.40
BENTONE 38 (50)	50# sk	$163.94	63		63				
BENTONE 910 (50)	50# sk	$59.40	27		27			22	$1,306.80
BENTONE 990 (50)	50# sk	$83.59	34		34			15	$1,253.85
OPTI - MUL	gal	$10.75	385		385			165	$1,773.75
OPTI - WET	gal	$8.34	370		370			180	$1,501.20
NEW PHALT	50# sk	$38.72	70		70			35	$1,355.20
OIL SORB (25)	25# sk	$4.75	44		44				
NEW CARB (M)	50# sk	$5.25	259		259			10	$52.50
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	144		144			10	$280.50
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04						25	$301.00
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk	$24.14	64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1600		1600			301	$2,107.00
OPTI DRILL (OBM)	bbl	$65.00	3378		3378				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	12	$11,880.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	12	$360.00
ENGINEERING (MILES)	each	$1.00							
Trucking (scale)	each	$15.00						1	$15.00
TRUCKING (cwt)	each	$2.65						401	$1,062.65
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $2,040.00			**Cumulative Total $27,992.90**			**$27,992.90**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/02/21	MAGNOLIA OIL & GAS	REDWOOD 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
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31						3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33						7196	$16,766.68
DIESEL 07-28-21	gal	$2.34	1479			1479	$3,460.86	7200	$16,848.00
DIESEL 07-30-21	gal	$2.34						7000	$16,380.00
Diesel 07-31-21	gal	$2.38	7200		7200				

Daily Sub-Total $3,460.86

$57,280.42

Cumulative Total AES & 3rd Party $85,273.32

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
	Starting Depth	3,514	3,514	7,371	10,311	11,063	11,063															
	Ending Depth	3,514	7,371	10,311	11,063	11,063																
7,549	Footage Drilled	-	3,857	2,940	752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
715	New Hole Vol.	-	365	279	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
27	Chemical Additions	4	8	5	10																	
593	Base Fluid Added	126	171	168	93	35																
21	Barite Increase		21																			
716	Weighted Mud Added		488	228																		
-	Slurry Added																					
125	Water Added		60	55		10																
169	Added for Washout				151	18																
1,651	Total Additions	130	748	456	254	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
706	Mud Loss to Cuttings		363	273	70																	
167	Unrecoverable Volume		37	75	55																	
285	Centrifuge Losses	165	40	55	25																	
1,158	Total Losses	165	440	403	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
3,483	Ending System Volume	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
-	Mud Recovered																					

3,706

Comments:		Comments:	Comments:
7/29/21	2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21	8/12/21
7/30/21	488 from mud plant. 363 lost to cuttings, 37 lost to evap, 40 lost to centrifuge.	8/6/21	8/13/21
7/31/21	228 from mud plant. 273 lost to cuttings, 75 lost to evap, 55 lost to centrifuge.	8/7/21	8/14/21
8/1/21		8/8/21	8/15/21
8/2/21	Final Volume 3483 BBLS. 2975 BBLS Transferred to Rommel 3H. 508 BBLS will be left inside casing.	8/9/21	8/16/21
8/3/21		8/10/21	8/17/21
8/4/21		8/11/21	8/18/21

09/10/21 **Report #8**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**0 ft**	**11,063 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**0 ft/hr**	**Testing BOP**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.8	**20-40**	**8-20**	**>300**	**±275K**	**<10 <15**	**<10**
				9/10/21		9/9/21
Time Sample Taken				0:30		12:00
Sample Location				pit		pit
Flowline Temperature °F						
Depth (ft)				11,063'		11,063'
Mud Weight (ppg)				10.9		10.9
Funnel Vis (sec/qt)			@ 110 °F	49		47
600 rpm				36		38
300 rpm				22		23
200 rpm				16		18
100 rpm				10		11
6 rpm				5		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	14		15
Yield Point (lb/100 ft²)			T0 = 3	8		8
Gel Strength (lb/100 ft²)			10 sec/10 min	5/7		6/9
Gel Strength (lb/100 ft^2)			30 min	9		12
HTHP Filtrate (cm/30 min)			@ 300 °F	6.4		4.4
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				18%		18%
Corrected Solids (vol%)				15.9%		16%
Retort Oil Content				60%		61%
Retort Water Content				22%		21%
O/W Ratio				73:27		74:26
Whole Mud Chlorides (mg/L)				53,000		50,000
Water Phase Salinity (ppm)				274,187		271,855
Whole Mud Alkalinity, Pom				1.7		2.0
Excess Lime (lb/bbl)				2.2 ppb		2.6 ppb
Electrical Stability (volts)				414 v		449 v
Average Specific Gravity of Solids				3.16		3.17
Percent Low Gravity Solids				8.5%		8.5%
ppb Low Gravity Solids				70 ppb		70 ppb
Percent Barite				7.3%		7.5%
ppb Barite				105 ppb		107 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly	0	P. Blair

MUD VOLUME (BBL)

In Pits	622 bbl
In Hole	508 bbl
Active	622 bbl
Storage	2704 bbl
Tot. on Location	3834 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 0 n = 0.710 K = 133.560

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.	622.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	0'	0'
Hevi Wt				0'
Collars	5.250	2.688		0'
Dir. BHA	5.000	2.000		0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		0'	
Surface	10 3/4	9.950	3,504'	0'
Int. Csg.	7 5/8	6.875	11,055'	0'
Washout 1				
Washout 2				
Open Hole Size	0.000	11,063'		

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	200	0.0
Shaker 2	200	0.0
Shaker 3	200	0.0
Desander		
Desilter		
Centrifuge 1		0.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	508.3
Transferred In(+)/Out(-)	3326.0
Oil Added (+)	8.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Transferred	
Non-Recoverable Vol. (-)	-8.8
Est. Total on Location	3833.6
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:

Mud Received: 3834bls

Rig Activity:

Skid rig to Redwood A1H and nipple up. Testing BOPs at report time. Pre-treating active system with Mul, WA, Opti G, CaCl, and Lime in preparation for the influx of lighter mud loaded in hole.

Eng. 1:	Patrick Blair	Eng. 2:	Nick Dilly	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	936-465-0952	Phone:	337-207-8848	Phone:	432-686-7361	Phone:	-	

W P Y E C g G H O
2 0 1 1 1 1 1 1 1

	Daily Total	Cumulative Cost
	$3,133.55	**$24,301.45**
INCLUDING 3RD PARTY CHARGES	**$3,937.99**	**$82,386.31**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/10/21	MAGNOLIA OIL & GAS	REDWOOD 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		93	93			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36		29	29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25						45	$506.25
SOAP STICKS (ea)	each	$7.00						45	$315.00
CACL2 (50)	50# sk	$14.32		336	336				
LIME (50)	50# sk	$5.00		225	225			150	$750.00
OPTI - G	50# sk	$30.59		120	120			60	$1,835.40
BENTONE 38 (50)	50# sk	$163.94		52	52				
BENTONE 910 (50)	50# sk	$59.40		75	75			22	$1,306.80
BENTONE 990 (50)	50# sk	$83.59		45	45			15	$1,253.85
OPTI - MUL	gal	$10.75		440	440			165	$1,773.75
OPTI - WET	gal	$8.34		330	330			180	$1,501.20
NEW PHALT	50# sk	$38.72		140	140			35	$1,355.20
OIL SORB (25)	25# sk	$4.75		64	64				
NEW CARB (M)	50# sk	$5.25		242	242			10	$52.50
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05		312	312			10	$280.50
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04						25	$301.00
MICA F (50)	50# sk	$10.28		40	40				
GRAPHITE POWDER F (50)	50# sk	$24.14		64	64				
NEW WATE (SACK BARITE)	100# sk	$11.50		80	80				
BARITE BULK (100)	100# sk	$7.00		1407	1407			301	$2,107.00
OPTI DRILL (OBM)	bbl	$65.00	508	3326	3834			-105	-$6,825.00
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	14	$13,860.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	14	$420.00
ENGINEERING (MILES)	each	$1.00							
Trucking (scale)	each	$15.00				1	$15.00	2	$30.00
TRUCKING (cwt)	each	$2.65				407	$1,078.55	808	$2,141.20
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $3,133.55		Cumulative Total $24,301.45			$24,301.45	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/10/21	MAGNOLIA OIL & GAS	REDWOOD 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
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31						3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33						7196	$16,766.68
DIESEL 07-28-21	gal	$2.34						7200	$16,848.00
DIESEL 07-30-21	gal	$2.34						7000	$16,380.00
Diesel 07-31-21	gal	$2.38							
Diesel Transfer F/Rommel 4H	gal	$2.38		11940	11602	338	$804.44	338	$804.44
						Daily Sub-Total	$804.44		$58,084.86

Cumulative Total AES & 3rd Party $82,386.31

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	3,514	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
	Ending Depth	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
7,549	Footage Drilled	-	3,857	2,940	752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
715	New Hole Vol.	-	365	279	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
27	Chemical Additions	4	8	5	10																	
601	Base Fluid Added	126	171	168	93	35																
21	Barite Increase		21																			
4,042	Weighted Mud Added		488	228																		
-	Slurry Added																					
125	Water Added		60	55		10																
169	Added for Washout				151	18																
4,985	Total Additions	130	748	456	254	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
706	Mud Loss to Cuttings		363	273	70																	
175	Unrecoverable Volume		37	75	55																	
285	Centrifuge Losses	165	40	55	25																	
1,166	Total Losses	165	440	403	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,975	Mud Transferred Out																					
3,834	Ending System Volume	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
-	Mud Recovered																					

4,057

Comments:		Comments:	Comments:
7/29/21	2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21	8/12/21
7/30/21	488 from mud plant. 363 lost to cuttings, 37 lost to evap, 40 lost to centrifuge.	8/6/21	8/13/21
7/31/21	228 from mud plant. 273 lost to cuttings, 75 lost to evap, 55 lost to centrifuge.	8/7/21	8/14/21
8/1/21		8/8/21	8/15/21
8/2/21	Final Volume 3483 BBLS. 2975 BBLS Transferred to Rommel 3H. 508 BBLS will be left inside casing.	8/9/21	8/16/21
8/3/21		8/10/21	8/17/21
8/4/21		8/11/21	8/18/21

09/11/21 **Report #9**

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

OUTSOURCE FLUID SOLUTIONS LLC.

78.4° **11,149' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**567 ft**	**11,630 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**100 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**401 gpm**	**5,025 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	655 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
10-12	**14-40**	**8-20**	**>300**	**±275K**	**<10 <15**	**<10**	In Hole	468 bbl	Stroke	12	Stroke	12	Stroke	
				9/11/21		9/10/21	Active	1123 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				0:30		12:00	Storage	2704 bbl	stk/min	77	stk/min	76	stk/min	
Sample Location				pit		pit	Tot. on Location	3827 bbl	gal/min	202	gal/min	199	gal/min	0
Flowline Temperature °F				162 °F			PHHP = 1177		**CIRCULATION DATA**				n = 0.737	K = 169.852
Depth (ft)				11,532'		11,063'	Bit Depth = 11,630 '		Washout = 0%				Pump Efficiency = 95%	
Mud Weight (ppg)				10.3		10.7	Drill String Disp.	Volume to Bit 164.3 bbl	Strokes To Bit	2,631			Time To Bit	17 min
Funnel Vis (sec/qt)		@ 145 °F		61		59		Bottoms Up Vol. 303.2 bbl	BottomsUp Stks	4,854			BottomsUp Time	32 min
600 rpm				55		38	65.5 bbl	TotalCirc.Vol. 1122.6 bbl	TotalCirc.Stks	17,971			Total Circ. Time	117 min
300 rpm				33		23	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				25		18	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				17		13	Drill Pipe	4.500	3.826	11,484'	0'		Shaker 1	200	22.0
6 rpm				7		6	Collars	5.250	2.688	146'	11,484'		Shaker 2	200	22.0
3 rpm				6		5	Collars				11,630'		Shaker 3	200	22.0
Plastic Viscosity (cp)		@ 150 °F		22		15	Dir. BHA				11,630'		Desander		
Yield Point (lb/100 ft²)		T0 = 5		11		8	**CASING & HOLE DATA**						Desilter		
Gel Strength (lb/100 ft²)		10 sec/10 min		8/14		7/10	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1		0.0
Gel Strength (lb/100 ft²)		30 min		15		13	Riser	20		0'			**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)		@ 300 °F		5.6		6.0	Surface	10 3/4	9.950	3,504'	0'		Prev. Total on Location		3833.6
HTHP Cake Thickness (32nds)				3.0		2.0	Int. Csg.	7 5/8	6.875	11,055'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				16%		17%	Washout 1						Oil Added (+)		24.5
Corrected Solids (vol%)				13.3%		14.8%	Washout 2						Barite Added (+)		14.4
Retort Oil Content				58%		60%	Open Hole Size		6.750	11,630'			Other Product Usage (+)		17.4
Retort Water Content				26%		23%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		
O/W Ratio				69:31		72:28	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-37.6
Whole Mud Chlorides (mg/L)				67,000		55,000							Transferred		
Water Phase Salinity (ppm)				287,791		272,715							Mud on Cuttings		-25.7
Whole Mud Alkalinity, Pom				2.3		1.8	6.875x4.5	11,055'	364.2	turb	11.51		Est. Total on Location		3826.6
Excess Lime (lb/bbl)				3 ppb		2.3 ppb	6.75x4.5	11,484'	388.7	turb	11.61		Est. Losses Gains (-)/(+)		0.0
Electrical Stability (volts)				436 v		387 v	6.75x5.25	11,630'	546.6	turb	11.73		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				2.93		3.13							Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				8.9%		8.2%							0.45	69 psi	18 18 18
ppb Low Gravity Solids				73 ppb		67 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				4.4%		6.6%									
ppb Barite				63 ppb		95 ppb	**BIT DATA**		Manuf./Type		Security / PDC		186 lbs	86	
Estimated Total LCM in System		ppb					Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				N. Dilly	0	P. Blair	6 3/4	11,063 ft	11.0	567 ft	51.5		2,980 psi		5,025 psi

Remarks/Recommendations:

Mud Received: 3834bls

Plan forward: Land curve and drill lateral section.

Rig Activity:

Finish Testing BOPs and making repairs. Pick up directional tools and TIH. Tag cement at 10,963'. Drill out shoe track and 10' of new formation. Perform FIT to 13.0ppg EMW. Drill/Slide ahead building curve from 11,063' to 11,630'. Drilling ahead. Treating active system with Mul, WA, Opti G, CaCl, and Lime. Water phase increased in active system due to higher water phase of lighter mud preloaded in intermediate casing. BHT 248 / TQ 6000 / ROP 100'/hr

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Patrick Blair	Nick Dilly	MIDLAND	WH #2	
Phone: 936-465-0952	Phone: 337-207-8848	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$9,418.80	**$33,720.25**
INCLUDING 3RD PARTY CHARGES	**$11,603.64**	**$93,989.95**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/11/21	MAGNOLIA OIL & GAS	REDWOOD 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	93		93			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25						45	$506.25
SOAP STICKS (ea)	each	$7.00						45	$315.00
CACL2 (50)	50# sk	$14.32	336		224	112	$1,603.84	112	$1,603.84
LIME (50)	50# sk	$5.00	225		175	50	$250.00	200	$1,000.00
OPTI - G	50# sk	$30.59	120		80	40	$1,223.60	100	$3,059.00
BENTONE 38 (50)	50# sk	$163.94	52		48	4	$655.76	4	$655.76
BENTONE 910 (50)	50# sk	$59.40	75		72	3	$178.20	25	$1,485.00
BENTONE 990 (50)	50# sk	$83.59	45		35	10	$835.90	25	$2,089.75
OPTI - MUL	gal	$10.75	440		330	110	$1,182.50	275	$2,956.25
OPTI - WET	gal	$8.34	330		330			180	$1,501.20
NEW PHALT	50# sk	$38.72	140		140			35	$1,355.20
OIL SORB (25)	25# sk	$4.75	64		64				
NEW CARB (M)	50# sk	$5.25	242		242			10	$52.50
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	312		312			10	$280.50
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04						25	$301.00
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk	$24.14	64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1407		1200	207	$1,449.00	508	$3,556.00
OPTI DRILL (OBM)	bbl	$65.00	3834		3834			-105	-$6,825.00
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	16	$15,840.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	16	$480.00
ENGINEERING (MILES)	each	$1.00							
Trucking (scale)	each	$15.00						2	$30.00
TRUCKING (cwt)	each	$2.65						808	$2,141.20
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $9,418.80			**Cumulative Total $33,720.25**			**$33,720.25**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/11/21	MAGNOLIA OIL & GAS	REDWOOD 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
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31						3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33						7196	$16,766.68
DIESEL 07-28-21	gal	$2.34						7200	$16,848.00
DIESEL 07-30-21	gal	$2.34						7000	$16,380.00
Diesel 07-31-21	gal	$2.38							
Diesel Transfer F/Rommel 4H	gal	$2.38	11602		10684	918	$2,184.84	1256	$2,989.28

Daily Sub-Total $2,184.84

$60,269.70

Cumulative Total AES & 3rd Party $93,989.95

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	3,514	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
	Ending Depth	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
8,116	Footage Drilled	-	3,857	2,940	752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
769	New Hole Vol.	-	365	279	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
45	Chemical Additions	4	8	5	10																	
626	Base Fluid Added	126	171	168	93	35																
35	Barite Increase		21																			
4,042	Weighted Mud Added		488	228																		
-	Slurry Added																					
125	Water Added		60	55		10																
169	Added for Washout				151	18																
5,042	Total Additions	130	748	456	254	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
769	Mud Loss to Cuttings		363	273	70																	
175	Unrecoverable Volume		37	75	55																	
285	Centrifuge Losses	165	40	55	25																	
1,229	Total Losses	165	440	403	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,975	Mud Transferred Out																					
3,827	Ending System Volume	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
-	Mud Recovered																					

4,057

Comments:		Comments:	Comments:
7/29/21	2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21	8/12/21
7/30/21	488 from mud plant. 363 lost to cuttings, 37 lost to evap, 40 lost to centrifuge.	8/6/21	8/13/21
7/31/21	228 from mud plant. 273 lost to cuttings, 75 lost to evap, 55 lost to centrifuge.	8/7/21	8/14/21
8/1/21		8/8/21	8/15/21
8/2/21	Final Volume 3483 BBLS. 2975 BBLS Transferred to Rommel 3H. 508 BBLS will be left inside casing.	8/9/21	8/16/21
8/3/21		8/10/21	8/17/21
8/4/21		8/11/21	8/18/21

09/12/21 **Report #10**

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

OUTSOURCE FLUID SOLUTIONS LLC.

90.6° **11,021' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**2,600 ft**	**14,230 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**197 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**401 gpm**	**5,530 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
10-12	**14-40**	**8-20**	**>300**	**±280K**	**<10 <15**	**<10**
				9/12/21		9/11/21
Time Sample Taken				0:30		12:00
Sample Location				pit		pit
Flowline Temperature °F				124 °F		175 °F
Depth (ft)				14,154'		13,127'
Mud Weight (ppg)				10.3		10.3
Funnel Vis (sec/qt)			@ 110 °F	57		60
600 rpm				39		46
300 rpm				24		28
200 rpm				16		21
100 rpm				12		14
6 rpm				5		7
3 rpm				4		6
Plastic Viscosity (cp)			@ 150 °F	15		18
Yield Point (lb/100 ft²)			T0 = 3	9		10
Gel Strength (lb/100 ft²)			10 sec/10 min	6/10		8/12
Gel Strength (lb/100 ft^2)			30 min	12		14
HTHP Filtrate (cm/30 min)			@ 300 °F	4.8		4.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				15.5%		15.5%
Corrected Solids (vol%)				13%		13.2%
Retort Oil Content				62%		60.5%
Retort Water Content				22.5%		24%
O/W Ratio				73:27		72:28
Whole Mud Chlorides (mg/L)				61,000		58,000
Water Phase Salinity (ppm)				298,307		274,812
Whole Mud Alkalinity, Pom				2.3		2.8
Excess Lime (lb/bbl)				3 ppb		3.6 ppb
Electrical Stability (volts)				518 v		462 v
Average Specific Gravity of Solids				3.07		3.01
Percent Low Gravity Solids				7.7%		8.2%
ppb Low Gravity Solids				63 ppb		68 ppb
Percent Barite				5.3%		5%
ppb Barite				77 ppb		71 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly	0	P. Blair

MUD VOLUME (BBL)

In Pits	631 bbl	Active	1199 bbl
In Hole	568 bbl	Storage	2525 bbl
Tot. on Location	3724 bbl		

PUMP #1

Liner Size	4.75	bbl/stk	0.0625
Stroke	12	stk/min	77
gal/min	202		

PUMP #2

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

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 1295 n = 0.700 K = 155.130

Bit Depth = 14,230 ' Washout = 0% Pump Efficiency = 95%

Drill String Disp.							
79.7 bbl	Volume to Bit	201.3 bbl	Strokes To Bit	3,223	Time To Bit	21 min
	Bottoms Up Vol.	367.2 bbl	BottomsUp Stks	5,878	BottomsUp Time	38 min
	TotalCirc.Vol.	1199.5 bbl	TotalCirc.Stks	19,202	Total Circ. Time	126 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	14,084'	0'
Collars	5.250	2.688	146'	14,084'
Collars				14,230'
Dir. BHA				14,230'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		0'	
Surface	10 3/4	9.950	3,504'	0'
Int. Csg.	7 5/8	6.875	11,055'	0'
Washout 1				
Washout 2				
Open Hole Size		6.750	14,230'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	11,055'	364.2	turb	11.48
6.75x4.5	14,084'	388.7	turb	11.94
6.75x5.25	14,230'	546.6	turb	12.12

BIT DATA

	Manuf./Type	Security / PDC	Size	Depth In	Hours	Footage	ROP ft/hr
			6 3/4	11,063 ft	35.0	3,167 ft	90.5

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	200	24.0
Shaker 2	200	24.0
Shaker 3	200	24.0
Desander		
Desilter		
Centrifuge 1		20.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3826.6
Transferred In(+)/Out(-)	
Oil Added (+)	121.0
Barite Added (+)	14.0
Other Product Usage (+)	15.2
Water Added (+)	
Left on Cuttings (-)	-172.6
Transferred	
Centrifuges	-79.7
Est. Total on Location	3724.5
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.45	69 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
186 lbs	86			

Motor/MWD	Calc. Circ. Pressure
3,253 psi	5,530 psi

Remarks/Recommendations:

Mud Received: 3834bls

Plan forward: Drill lateral section to TD.

Sweeps: 2.5ppb MagmaFiber F, 5ppb NewPhalt, 5ppb NewCarb M

Pumping 10bls sweeps every 300' drilled.

Rig Activity:

Drill/Slide ahead building curve from 11,630' to 11,720' LP. Continue drilling ahead in lateral section from 11,720' to 14,230'. Pumping 10bls sweeps every 300'. Treating active system with Mul, WA, Opti G, CaCl, Bentone 38/990, and Lime. Processing active system with centrifuges continuously to control LGS. Running active system continuously though mud chiller to control high temperature effects on downhole tools. BHT 277 / TQ 7700-9400 / ROP 197'/hr

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Patrick Blair	Nick Dilly	MIDLAND	WH #2	
Phone: 936-465-0952	Phone: 337-207-8848	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$13,488.59	**$47,208.84**
INCLUDING 3RD PARTY CHARGES	**$24,798.35**	**$118,788.30**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/12/21	MAGNOLIA OIL & GAS	REDWOOD 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	93		93			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25						45	$506.25
SOAP STICKS (ea)	each	$7.00						45	$315.00
CACL2 (50)	50# sk	$14.32	224	224	423	25	$358.00	137	$1,961.84
LIME (50)	50# sk	$5.00	175	200	275	100	$500.00	300	$1,500.00
OPTI - G	50# sk	$30.59	80	120	160	40	$1,223.60	140	$4,282.60
BENTONE 38 (50)	50# sk	$163.94	48	40	83	5	$819.70	9	$1,475.46
BENTONE 910 (50)	50# sk	$59.40	72		72			25	$1,485.00
BENTONE 990 (50)	50# sk	$83.59	35	40	65	10	$835.90	35	$2,925.65
OPTI - MUL	gal	$10.75	330	220	330	220	$2,365.00	495	$5,321.25
OPTI - WET	gal	$8.34	330	220	440	110	$917.40	290	$2,418.60
NEW PHALT	50# sk	$38.72	140		133	7	$271.04	42	$1,626.24
OIL SORB (25)	25# sk	$4.75	64		64				
NEW CARB (M)	50# sk	$5.25	242		231	11	$57.75	21	$110.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	312		302	10	$280.50	20	$561.00
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04		40	40			25	$301.00
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk	$24.14	64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1200	401	1400	201	$1,407.00	709	$4,963.00
OPTI DRILL (OBM)	bbl	$65.00	3834		3834			-105	-$6,825.00
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	18	$17,820.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	18	$540.00
ENGINEERING (MILES)	each	$1.00							
Trucking (scale)	each	$15.00				1	$15.00	3	$45.00
TRUCKING (cwt)	each	$2.65				778	$2,061.70	1586	$4,202.90
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00				14	$168.00	14	$168.00
SHRINK WRAP (ea)	each	$12.00				14	$168.00	14	$168.00
		Daily Sub-Total $13,488.59			**Cumulative Total $47,208.84**			**$47,208.84**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/12/21	**MAGNOLIA OIL & GAS**	**REDWOOD 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
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31						3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33						7196	$16,766.68
DIESEL 07-28-21	gal	$2.34						7200	$16,848.00
DIESEL 07-30-21	gal	$2.34						7000	$16,380.00
Diesel 07-31-21	gal	$2.38							
Diesel Transfer F/Rommel 4H	gal	$2.38	10684		5932	4752	$11,309.76	6008	$14,299.04
Diesel 9-11-21	gal	$2.39		7200	7200				
						Daily Sub-Total	**$11,309.76**		**$71,579.46**

Cumulative Total AES & 3rd Party $118,788.30

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	3,514	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
	Ending Depth	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
10,716	Footage Drilled	-	3,857	2,940	752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
855	New Hole Vol.	-	365	279	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
60	Chemical Additions	4	8	5	10																	
747	Base Fluid Added	126	171	168	93	35																
49	Barite Increase		21																			
4,042	Weighted Mud Added		488	228																		
-	Slurry Added																					
125	Water Added		60	55		10																
169	Added for Washout				151	18																
5,192	Total Additions	130	748	456	254	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
942	Mud Loss to Cuttings		363	273	70																	
175	Unrecoverable Volume		37	75	55																	
365	Centrifuge Losses	165	40	55	25																	
1,482	Total Losses	165	440	403	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,975	Mud Transferred Out																					
3,724	Ending System Volume	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
-	Mud Recovered																					

	Comments:		Comments:		Comments:	
	7/29/21	2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21		8/12/21	
4,057	7/30/21	488 from mud plant. 363 lost to cuttings, 37 lost to evap, 40 lost to centrifuge.	8/6/21		8/13/21	
	7/31/21	228 from mud plant. 273 lost to cuttings, 75 lost to evap, 55 lost to centrifuge.	8/7/21		8/14/21	
	8/1/21		8/8/21		8/15/21	
	8/2/21	Final Volume 3483 BBLS. 2975 BBLS Transferred to Rommel 3H. 508 BBLS will be left inside casing.	8/9/21		8/16/21	
	8/3/21		8/10/21		8/17/21	
	8/4/21		8/11/21		8/18/21	

09/13/21 **Report #11**

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

OUTSOURCE FLUID SOLUTIONS LLC.

93.7° **10,858' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**2,401 ft**	**16,631 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**150 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**396 gpm**	**5,745 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	647 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
10-12	**14-40**	**8-20**	**>300**	**±280K**	**<10 <15**	**<10**	In Hole	662 bbl	Stroke	12	Stroke	12	Stroke	
				9/13/21		9/12/21	Active	1309 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				0:30		12:00	Storage	2285 bbl	stk/min	77	stk/min	74	stk/min	
Sample Location				pit		pit	Tot. on Location	3594 bbl	gal/min	202	gal/min	194	gal/min	0
Flowline Temperature °F				127 °F		135 °F	PHHP = 1328		**CIRCULATION DATA**				n = 0.737	K = 154.411
Depth (ft)				16,631'		15,568'	Bit Depth = 16,631 '		Washout = 0%				Pump Efficiency = 95%	
Mud Weight (ppg)				10.3		10.3	Drill String Disp.	Volume to Bit 235.4 bbl	Strokes To Bit	3,769			Time To Bit	25 min
Funnel Vis (sec/qt)			@ 107 °F	64		59		Bottoms Up Vol. 426.2 bbl	BottomsUp Stks	6,823			BottomsUp Time	45 min
600 rpm				50		45	92.8 bbl	TotalCirc.Vol. 1308.6 bbl	TotalCirc.Stks	20,950			Total Circ. Time	139 min
300 rpm				30		28	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				22		21	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				16		14	Drill Pipe	4.500	3.826	16,485'	0'		Shaker 1	200	24.0
6 rpm				7		7	Collars	5.250	2.688	146'	16,485'		Shaker 2	200	24.0
3 rpm				6		6	Collars				16,631'		Shaker 3	200	24.0
Plastic Viscosity (cp)			@ 150 °F	20		17	Dir. BHA				16,631'		Desander		
Yield Point (lb/100 ft²)			T0 = 5	10		11	**CASING & HOLE DATA**						Desilter		
Gel Strength (lb/100 ft²)			10 sec/10 min	8/12		8/11	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1		19.0
Gel Strength (lb/100 ft^2)			30 min	13		14	Riser	20		0'			**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)			@ 300 °F	3.6		4.0	Surface	10 3/4	9.950	3,504'	0'		Prev. Total on Location		3724.5
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	11,055'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				15%		15%	Washout 1						Oil Added (+)		68.4
Corrected Solids (vol%)				12.6%		12.6%	Washout 2						Barite Added (+)		13.9
Retort Oil Content				63.7%		62%	Open Hole Size	6.750	16,631'				Other Product Usage (+)		22.0
Retort Water Content				21.3%		23%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		
O/W Ratio				75:25		73:27	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-159.4
Whole Mud Chlorides (mg/L)				57,000		60,000							Transferred		
Water Phase Salinity (ppm)				295,590		290,310							Centrifuges		-75.7
Whole Mud Alkalinity, Pom				3.0		2.8	6.875x4.5	11,055'	359.4	turb	11.46		Est. Total on Location		3593.6
Excess Lime (lb/bbl)				3.9 ppb		3.6 ppb	6.75x4.5	16,485'	383.6	turb	12.19		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				591 v		469 v	6.75x5.25	16,631'	539.4	turb	12.35		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				3.15		3.16							Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				6.9%		6.8%							0.43	67 psi	18 18 18
ppb Low Gravity Solids				57 ppb		56 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Barite				5.8%		5.8%									
ppb Barite				83 ppb		83 ppb	**BIT DATA**		Manuf./Type		Security / PDC		180 lbs	85	
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				N. Dilly	0	P. Blair	6 3/4	11,063 ft	59.0	5,568 ft	94.4		2,967 psi		5,745 psi

Remarks/Recommendations:

Mud Received: 3834bls

Plan forward: Drill lateral section to TD.

Sweeps: 2.5ppb MagmaFiber F, 5ppb NewPhalt, 5ppb NewCarb M

Pumping 10bls sweeps every 300' drilled.

Rig Activity:

Drill/Slide ahead building curve from 14,230' to 16,631'. Continue drilling ahead in lateral section at report time. Pumping 10bls sweeps every 300'. Treating active system with Mul, WA, Opti G, CaCl, Bentone 38/990, and Lime. Processing active system with centrifuges continuously to control LGS. Running active system continuously though mud chiller to control high temperature effects on downhole tools. BHT 293 / TQ 12,300-13,500 / ROP 150'/hr

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Patrick Blair	Nick Dilly	MIDLAND	WH #2	
Phone: 936-465-0952	Phone: 337-207-8848	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$11,398.77	**$58,607.61**
INCLUDING 3RD PARTY CHARGES	**$17,710.53**	**$136,498.83**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/13/21	MAGNOLIA OIL & GAS	REDWOOD 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	93		93			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25						45	$506.25
SOAP STICKS (ea)	each	$7.00						45	$315.00
CACL2 (50)	50# sk	$14.32	423		308	115	$1,646.80	252	$3,608.64
LIME (50)	50# sk	$5.00	275		150	125	$625.00	425	$2,125.00
OPTI - G	50# sk	$30.59	160		135	25	$764.75	165	$5,047.35
BENTONE 38 (50)	50# sk	$163.94	83		76	7	$1,147.58	16	$2,623.04
BENTONE 910 (50)	50# sk	$59.40	72		72			25	$1,485.00
BENTONE 990 (50)	50# sk	$83.59	65		49	16	$1,337.44	51	$4,263.09
OPTI - MUL	gal	$10.75	330		220	110	$1,182.50	605	$6,503.75
OPTI - WET	gal	$8.34	440		330	110	$917.40	400	$3,336.00
NEW PHALT	50# sk	$38.72	133		128	5	$193.60	47	$1,819.84
OIL SORB (25)	25# sk	$4.75	64		64				
NEW CARB (M)	50# sk	$5.25	231		225	6	$31.50	27	$141.75
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	302		298	4	$112.20	24	$673.20
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	40		40			25	$301.00
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk	$24.14	64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1400		1200	200	$1,400.00	909	$6,363.00
OPTI DRILL (OBM)	bbl	$65.00	3834		3834			-105	-$6,825.00
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	20	$19,800.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	20	$600.00
ENGINEERING (MILES)	each	$1.00							
Trucking (scale)	each	$15.00						3	$45.00
TRUCKING (cwt)	each	$2.65						1586	$4,202.90
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						14	$168.00
SHRINK WRAP (ea)	each	$12.00						14	$168.00
		Daily Sub-Total $11,398.77			**Cumulative Total $58,607.61**			**$58,607.61**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/13/21	MAGNOLIA OIL & GAS	REDWOOD 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
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31						3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33						7196	$16,766.68
DIESEL 07-28-21	gal	$2.34						7200	$16,848.00
DIESEL 07-30-21	gal	$2.34						7000	$16,380.00
Diesel 07-31-21	gal	$2.38							
Diesel Transfer F/Rommel 4H	gal	$2.38	5932		3280	2652	$6,311.76	8660	$20,610.80
Diesel 9-11-21	gal	$2.39	7200		7200				

Daily Sub-Total $6,311.76

$77,891.22

Cumulative Total AES & 3rd Party $136,498.83

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	3,514	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
	Ending Depth	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
13,117	Footage Drilled	-	3,857	2,940	752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
962	New Hole Vol.	-	365	279	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
82	Chemical Additions	4	8	5	10																	
815	Base Fluid Added	126	171	168	93	35																
63	Barite Increase		21																			
4,042	Weighted Mud Added		488	228																		
-	Slurry Added																					
125	Water Added		60	55		10																
169	Added for Washout				151	18																
5,296	Total Additions	130	748	456	254	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
1,101	Mud Loss to Cuttings		363	273	70																	
175	Unrecoverable Volume		37	75	55																	
440	Centrifuge Losses	165	40	55	25																	
1,716	Total Losses	165	440	403	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,975	Mud Transferred Out																					
3,594	Ending System Volume	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
-	Mud Recovered																					

	Comments:		Comments:		Comments:	
	7/29/21	2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21		8/12/21	
4,057	7/30/21	488 from mud plant. 363 lost to cuttings, 37 lost to evap, 40 lost to centrifuge.	8/6/21		8/13/21	
	7/31/21	228 from mud plant. 273 lost to cuttings, 75 lost to evap, 55 lost to centrifuge.	8/7/21		8/14/21	
	8/1/21		8/8/21		8/15/21	
	8/2/21	Final Volume 3483 BBLS. 2975 BBLS Transferred to Rommel 3H. 508 BBLS will be left inside casing.	8/9/21		8/16/21	
	8/3/21		8/10/21		8/17/21	
	8/4/21		8/11/21		8/18/21	

09/14/21 **Report #12**

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

OUTSOURCE FLUID SOLUTIONS LLC.

90.7° **11,110' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**1,481 ft**	**18,112 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**0 ft/hr**	**SOOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
10-12	**14-40**	**8-20**	**>300**	**±280K**	**<10 <15**	**<10**
				9/14/21		9/13/21
Time Sample Taken				0:30		12:00
Sample Location				pit		pit
Flowline Temperature °F						135 °F
Depth (ft)				18,112'		17,625'
Mud Weight (ppg)				10.5		10.5
Funnel Vis (sec/qt)			@ 107 °F	68		60
600 rpm				54		52
300 rpm				32		31
200 rpm				25		24
100 rpm				18		18
6 rpm				7		7
3 rpm				6		6
Plastic Viscosity (cp)			@ 150 °F	22		21
Yield Point (lb/100 ft²)			T0 = 5	10		10
Gel Strength (lb/100 ft²)			10 sec/10 min	8/12		8/11
Gel Strength (lb/100 ft^2)			30 min	14		14
HTHP Filtrate (cm/30 min)			@ 300 °F	4.0		4.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				15.8%		15.5%
Corrected Solids (vol%)				13.3%		13.2%
Retort Oil Content				61.4%		62%
Retort Water Content				22.8%		22.5%
O/W Ratio				73:27		73:27
Whole Mud Chlorides (mg/L)				60,000		58,000
Water Phase Salinity (ppm)				292,112		287,859
Whole Mud Alkalinity, Pom				3.8		4.0
Excess Lime (lb/bbl)				4.9 ppb		5.2 ppb
Electrical Stability (volts)				494 v		515 v
Average Specific Gravity of Solids				3.16		3.26
Percent Low Gravity Solids				7.1%		6.3%
ppb Low Gravity Solids				59 ppb		52 ppb
Percent Barite				6.2%		6.8%
ppb Barite				89 ppb		98 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly	0	P. Blair

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	602 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
In Hole	749 bbl	Stroke	12	Stroke	12	Stroke	
Active	1108 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Storage	2259 bbl	stk/min	0	stk/min	0	stk/min	
Tot. on Location	3610 bbl	gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA			
PHHP = 0			n = 0.755 K = 147.288
Bit Depth = 12,620 '		Washout = 0%	Pump Efficiency = 95%
Drill String Disp.	Volume to Bit 178.4 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol. 327.6 bbl	BottomsUp Stks	BottomsUp Time
70.9 bbl	TotalCirc.Vol. 1108.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	12,474'	0'
Collars	5.250	2.688	146'	12,474'
Collars				12,620'
Dir. BHA				12,620'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		0'	
Surface	10 3/4	9.950	3,504'	0'
Int. Csg.	7 5/8	6.875	11,055'	0'
Washout 1				
Washout 2				
Open Hole Size		6.750	18,112'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	11,055'	0.0	lam	10.50
6.75x4.5	12,474'	0.0	lam	10.50
6.75x5.25	12,620'	0.0	lam	10.50

BIT DATA

Manuf./Type	Security / PDC	Size	Depth In	Hours	Footage	ROP ft/hr
		6 3/4	11,063 ft	76.0	7,049 ft	92.8

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	200	22.0
Shaker 2	200	22.0
Shaker 3	200	22.0
Desander		
Desilter		
Centrifuge 1		2.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3593.6
Transferred In(+)/Out(-)	
Oil Added (+)	64.2
Barite Added (+)	26.1
Other Product Usage (+)	15.0
Water Added (+)	
Left on Cuttings (-)	-78.7
Transferred	
Centrifuges	-10.2
Est. Total on Location	3610.1
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

Remarks/Recommendations:

Mud Received: 3834bls

Plan forward: Flow check at shoe and POOH to run production casing.
Sweeps: 2.5ppb MagmaFiber F, 5ppb NewPhalt, 5ppb NewCarb M

Pumped 10bls sweeps every 300' drilled.

Rig Activity:

Drill/Slide ahead from 16,631' to 18,112'TD. Increased mud weight gragually from 10.3ppg to 10.5ppg before TD. Pumped 10bls sweeps every 300'. Backream from 18,12 to 17,742'. Pumped 3 tandem 30bls hi-vis sweeps and circulate hole clean. SOOH from 17,742' to 12,620'. Continue to strip out of hole filling backside with 17.0ppg kill mud at repor time. Treated active system with Mul, WA, Opti G, CaCl, and Lime. Ran active system continuously though mud chiller to control high temperature effects on downhole tools until POOH. BHT 302 / TQ 10,000-13,500 to TD.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Patrick Blair	Nick Dilly	MIDLAND	WH #2	
Phone: 936-465-0952	Phone: 337-207-8848	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$15,175.59	**$73,783.20**
INCLUDING 3RD PARTY CHARGES	**$20,678.15**	**$157,176.98**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/14/21	MAGNOLIA OIL & GAS	REDWOOD 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	93		93			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25						45	$506.25
SOAP STICKS (ea)	each	$7.00						45	$315.00
CACL2 (50)	50# sk	$14.32	308		224	84	$1,202.88	336	$4,811.52
LIME (50)	50# sk	$5.00	150		100	50	$250.00	475	$2,375.00
OPTI - G	50# sk	$30.59	135		120	15	$458.85	180	$5,506.20
BENTONE 38 (50)	50# sk	$163.94	76		68	8	$1,311.52	24	$3,934.56
BENTONE 910 (50)	50# sk	$59.40	72		72			25	$1,485.00
BENTONE 990 (50)	50# sk	$83.59	49		27	22	$1,838.98	73	$6,102.07
OPTI - MUL	gal	$10.75	220			220	$2,365.00	825	$8,868.75
OPTI - WET	gal	$8.34	330		165	165	$1,376.10	565	$4,712.10
NEW PHALT	50# sk	$38.72	128		120	8	$309.76	55	$2,129.60
OIL SORB (25)	25# sk	$4.75	64		64				
NEW CARB (M)	50# sk	$5.25	225		217	8	$42.00	35	$183.75
CYBERSEAL									
MAGMAFIBER F (25)	25# sk	$28.05	298		288	10	$280.50	34	$953.70
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	40		40			25	$301.00
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk	$24.14	64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1200	400	1225	375	$2,625.00	1284	$8,988.00
OPTI DRILL (OBM)	bbl	$65.00	3834	-3834				-105	-$6,825.00
OPTI DRILL (OBM)	bbl	$65.00		3339	3339				
DISCOUNTED OBM	bbl	$15.00							
MAGNOLIA OWNED MUD	bbl			495	271	224		224	
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	22	$21,780.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	22	$660.00
ENGINEERING (MILES)	each	$1.00							
Trucking (scale)	each	$15.00				1	$15.00	4	$60.00
TRUCKING (cwt)	each	$2.65				400	$1,060.00	1986	$5,262.90
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						14	$168.00
SHRINK WRAP (ea)	each	$12.00						14	$168.00
		Daily Sub-Total $15,175.59			Cumulative Total $73,783.20			$73,783.20	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/14/21	MAGNOLIA OIL & GAS	REDWOOD 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
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31						3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33						7196	$16,766.68
DIESEL 07-28-21	gal	$2.34						7200	$16,848.00
DIESEL 07-30-21	gal	$2.34						7000	$16,380.00
Diesel 07-31-21	gal	$2.38							
Diesel Transfer F/Rommel 4H	gal	$2.38	3280		968	2312	$5,502.56	10972	$26,113.36
Diesel 9-11-21	gal	$2.39	7200		7200				

Daily Sub-Total $5,502.56

$83,393.78

Cumulative Total AES & 3rd Party $157,176.98

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
	Starting Depth	3,514	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
	Ending Depth	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
14,598	Footage Drilled	-	3,857	2,940	752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,027	New Hole Vol.	-	365	279	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
97	Chemical Additions	4	8	5	10																	
879	Base Fluid Added	126	171	168	93	35																
89	Barite Increase		21																			
4,042	Weighted Mud Added		488	228																		
-	Slurry Added																					
125	Water Added		60	55		10																
169	Added for Washout				151	18																
5,401	Total Additions	130	748	456	254	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
1,180	Mud Loss to Cuttings		363	273	70																	
175	Unrecoverable Volume		37	75	55																	
450	Centrifuge Losses	165	40	55	25																	
1,805	Total Losses	165	440	403	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,975	Mud Transferred Out																					
3,610	Ending System Volume	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
-	Mud Recovered																					

4,057

Comments:		Comments:	Comments:
7/29/21	2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21	8/12/21
7/30/21	488 from mud plant. 363 lost to cuttings, 37 lost to evap, 40 lost to centrifuge.	8/6/21	8/13/21
7/31/21	228 from mud plant. 273 lost to cuttings, 75 lost to evap, 55 lost to centrifuge.	8/7/21	8/14/21
8/1/21		8/8/21	8/15/21
8/2/21	Final Volume 3483 BBLS. 2975 BBLS Transferred to Rommel 3H. 508 BBLS will be left inside casing.	8/9/21	8/16/21
8/3/21		8/10/21	8/17/21
8/4/21		8/11/21	8/18/21

09/15/21 **Report #13**

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

OUTSOURCE FLUID SOLUTIONS LLC.

92.0° **10,949' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**0 ft**	**18,112 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**0 ft/hr**	**Run Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
10-12	**14-40**	**8-20**	**>300**	**±290K**	**<10 <15**	**<10**
				9/15/21		9/14/21
Time Sample Taken				0:30		13:00
Sample Location				pit		pit
Flowline Temperature °F						
Depth (ft)				18,112'		18,112'
Mud Weight (ppg)				10.6		10.8
Funnel Vis (sec/qt)			@ 106 °F	54		70
600 rpm				42		55
300 rpm				26		32
200 rpm				19		26
100 rpm				13		17
6 rpm				6		7
3 rpm				5		6
Plastic Viscosity (cp)			@ 150 °F	16		23
Yield Point (lb/100 ft²)			T0 = 4	10		9
Gel Strength (lb/100 ft²)			10 sec/10 min	7/10		8/11
Gel Strength (lb/100 ft^2)			30 min	12		14
HTHP Filtrate (cm/30 min)			@ 300 °F	4.4		4.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				15.7%		17%
Corrected Solids (vol%)				13.7%		14.7%
Retort Oil Content				63%		60.5%
Retort Water Content				21.3%		22.5%
O/W Ratio				75:25		73:27
Whole Mud Chlorides (mg/L)				49,000		58,000
Water Phase Salinity (ppm)				265,102		287,859
Whole Mud Alkalinity, Pom				3.5		4.0
Excess Lime (lb/bbl)				4.6 ppb		5.2 ppb
Electrical Stability (volts)				555 v		465 v
Average Specific Gravity of Solids				3.30		3.26
Percent Low Gravity Solids				6.3%		7.1%
ppb Low Gravity Solids				52 ppb		58 ppb
Percent Barite				7.4%		7.6%
ppb Barite				107 ppb		109 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly	0	P. Blair

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	634 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
In Hole	715 bbl	Stroke	12	Stroke	12	Stroke	
Active	1220 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Storage	2246 bbl	stk/min	0	stk/min	0	stk/min	
Tot. on Location	3595 bbl	gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA — PHHP = 0 — n = 0.692 K = 177.275

Bit Depth = 15,200 ' — Washout = 0% — Pump Efficiency = 95%

Drill String Disp.			
104.7 bbl	Volume to Bit 300.9 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol. 285.5 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 1220.3 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.500	4.768	7,143'	0'
Collars	5.000	4.276	8,057'	7,143'
Collars				15,200'
Dir. BHA				15,200'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		0'	
Surface	10 3/4	9.950	3,504'	0'
Int. Csg.	7 5/8	6.875	11,055'	0'
Washout 1				
Washout 2				
Open Hole Size		6.750	18,112'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x5.5	7,143'	0.0	lam	10.60
6.875x5	11,055'	0.0	lam	10.60
6.75x5	15,200'	0.0	lam	10.60

BIT DATA — Manuf./Type

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

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	200	17.0
Shaker 2	200	17.0
Shaker 3	200	17.0
Desander		
Desilter		
Centrifuge 1		5.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3610.1
Transferred In(+)/Out(-)	
Oil Added (+)	31.5
Barite Added (+)	8.7
Other Product Usage (+)	3.0
Water Added (+)	
Left on Cuttings (-)	0.0
Mud on cuttings	-8.0
Centrifuges	-50.1
Est. Total on Location	3595.2
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:

Mud Received: 3834bls

Plan forward: Finish running casing and cement.

Caught heavy mud from annulus in trip tanks and weighed up to 17.0ppg to top off kill mud frac tank.

Rig Activity:

Continue to strip out of hole filling backside with 17.0ppg kill mud to shoe. Flow check and finish POOH on elevators. M/U casing tools/shoe and run 8,057' of 5" casing. Swap to 5.5" casing tools and run casing down to 15,200' at report time. Continue running production casing. Using diesel additions and centrifuge to maintain mud weight 10.5ppg in active pits during casing run. Treated active system with Lime in preparation for depleted alkalinity of mud left in hole. BHT 302 F

Eng. 1:	Patrick Blair	Eng. 2:	Nick Dilly	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	936-465-0952	Phone:	337-207-8848	Phone:	432-686-7361	Phone:	-	

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

	Daily Total	Cumulative Cost
	$4,899.40	**$78,682.60**
INCLUDING 3RD PARTY CHARGES	**$8,049.30**	**$165,226.28**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/15/21	MAGNOLIA OIL & GAS	REDWOOD 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	93		93			30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25						45	$506.25
SOAP STICKS (ea)	each	$7.00						45	$315.00
CACL2 (50)	50# sk	$14.32	224	224	448			336	$4,811.52
LIME (50)	50# sk	$5.00	100	250	300	50	$250.00	525	$2,625.00
OPTI - G	50# sk	$30.59	120	80	200			180	$5,506.20
BENTONE 38 (50)	50# sk	$163.94	68	40	108			24	$3,934.56
BENTONE 910 (50)	50# sk	$59.40	72		72			25	$1,485.00
BENTONE 990 (50)	50# sk	$83.59	27	38	65			73	$6,102.07
OPTI - MUL	gal	$10.75		440	440			825	$8,868.75
OPTI - WET	gal	$8.34	165	440	605			565	$4,712.10
NEW PHALT	50# sk	$38.72	120		120			55	$2,129.60
OIL SORB (25)	25# sk	$4.75	64		64				
NEW CARB (M)	50# sk	$5.25	217		217			35	$183.75
CYBERSEAL									
MAGMAFIBER F (25)	25# sk	$28.05	288		288			34	$953.70
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	40		40			25	$301.00
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk	$24.14	64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1225		1100	125	$875.00	1409	$9,863.00
OPTI DRILL (OBM)	bbl	$65.00						-105	-$6,825.00
OPTI DRILL (OBM)	bbl	$65.00	3339		3339				
DISCOUNTED OBM	bbl	$15.00							
MAGNOLIA OWNED MUD	bbl		271		256	15		239	
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	24	$23,760.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	24	$720.00
ENGINEERING (MILES)	each	$1.00				200	$200.00	200	$200.00
FORKLIFT WITH OPERATOR	each	$125.00				1	$125.00	1	$125.00
Trucking (scale)	each	$15.00						4	$60.00
TRUCKING (cwt)	each	$2.65				396	$1,049.40	2382	$6,312.30
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00				17	$204.00	31	$372.00
SHRINK WRAP (ea)	each	$12.00				13	$156.00	27	$324.00
		Daily Sub-Total $4,899.40			**Cumulative Total $78,682.60**			**$78,682.60**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/15/21	MAGNOLIA OIL & GAS	REDWOOD 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
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31						3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33						7196	$16,766.68
DIESEL 07-28-21	gal	$2.34						7200	$16,848.00
DIESEL 07-30-21	gal	$2.34						7000	$16,380.00
Diesel 07-31-21	gal	$2.38							
Diesel Transfer F/Rommel 4H	gal	$2.38	968			968	$2,303.84	11940	$28,417.20
Diesel 9-11-21	gal	$2.39	7200		6846	354	$846.06	354	$846.06
Diesel 9-14-2021	gal	$2.36		7000	7000				

Daily Sub-Total $3,149.90

$86,543.68

Cumulative Total AES & 3rd Party $165,226.28

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	3,514	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
	Ending Depth	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
14,598	Footage Drilled	-	3,857	2,940	752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,027	New Hole Vol.	-	365	279	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
100	Chemical Additions	4	8	5	10																	
910	Base Fluid Added	126	171	168	93	35																
98	Barite Increase		21																			
4,042	Weighted Mud Added		488	228																		
-	Slurry Added																					
125	Water Added		60	55		10																
169	Added for Washout				151	18																
5,444	Total Additions	130	748	456	254	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
1,188	Mud Loss to Cuttings		363	273	70																	
175	Unrecoverable Volume		37	75	55																	
500	Centrifuge Losses	165	40	55	25																	
1,863	Total Losses	165	440	403	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,975	Mud Transferred Out																					
3,595	Ending System Volume	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
-	Mud Recovered																					

	Comments:		Comments:		Comments:	
	7/29/21	2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21		8/12/21	
4,057	7/30/21	488 from mud plant. 363 lost to cuttings, 37 lost to evap, 40 lost to centrifuge.	8/6/21		8/13/21	
	7/31/21	228 from mud plant. 273 lost to cuttings, 75 lost to evap, 55 lost to centrifuge.	8/7/21		8/14/21	
	8/1/21		8/8/21		8/15/21	
	8/2/21	Final Volume 3483 BBLS. 2975 BBLS Transferred to Rommel 3H. 508 BBLS will be left inside casing.	8/9/21		8/16/21	
	8/3/21		8/10/21		8/17/21	
	8/4/21		8/11/21		8/18/21	

09/16/21 **Report #14**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/15/21**	**0 ft**	**18,112 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD A 1H	**248**	**TEXAS**	**07/15/21**	**0 ft/hr**	**Skid Rig**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
10-12	**14-40**	**8-20**	**>300**	**±290K**	**<10 <15**	**<10**

	9/15/21		9/15/21
Time Sample Taken	0:30		13:00
Sample Location	pit		pit
Flowline Temperature °F			
Depth (ft)	18,112'		18,112'
Mud Weight (ppg)	10.6		10.5
Funnel Vis (sec/qt) @ 106 °F	54		70
600 rpm	42		44
300 rpm	26		27
200 rpm	19		20
100 rpm	13		15
6 rpm	6		6
3 rpm	5		6
Plastic Viscosity (cp) @ 150 °F	16		17
Yield Point (lb/100 ft²) T0 = 4	10		10
Gel Strength (lb/100 ft²) 10 sec/10 min	7/10		6/9
Gel Strength (lb/100 ft^2) 30 min	12		11
HTHP Filtrate (cm/30 min) @ 300 °F	4.4		4.4
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	15.7%		15%
Corrected Solids (vol%)	13.7%		13%
Retort Oil Content	63%		64%
Retort Water Content	21.3%		21%
O/W Ratio	75:25		75:25
Whole Mud Chlorides (mg/L)	49,000		51,000
Water Phase Salinity (ppm)	265,102		275,793
Whole Mud Alkalinity, Pom	3.5		3.5
Excess Lime (lb/bbl)	4.6 ppb		4.6 ppb
Electrical Stability (volts)	555 v		510 v
Average Specific Gravity of Solids	3.30		3.34
Percent Low Gravity Solids	6.3%		5.7%
ppb Low Gravity Solids	52 ppb		47 ppb
Percent Barite	7.4%		7.3%
ppb Barite	107 ppb		105 ppb
Estimated Total LCM in System ppb			
Sample Taken By	N. Dilly	0	P. Blair

MUD VOLUME (BBL)

In Pits	660 bbl
In Hole	0 bbl
Active	660 bbl
Storage	2423 bbl
Tot. on Location	3083 bbl

	PUMP #1		PUMP #2		RISER BOOSTER	
Liner Size	4.75	Liner Size	4.75	Liner Size	
Stroke	12	Stroke	12	Stroke	
bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
stk/min	0	stk/min	0	stk/min	
gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA

PHHP = 0 n = 0.692 K = 177.275

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

Drill String Disp.				
	Volume to Bit	0.0 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	0.0 bbl	BottomsUp Stks	BottomsUp Time
0.0 bbl	TotalCirc.Vol.	660.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe			0'	0'
Collars				0'
Collars				0'
Dir. BHA				0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		0'	
Surface	10 3/4		3,504'	0'
Int. Csg.	7 5/8		11,055'	0'
Prod.	5 1/2		10,052'	
Prod.	5		8,057'	
Open Hole Size	0.000		18,112'	

ANNULAR GEOMETRY & RHEOLOGY

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

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	200	7.0
Shaker 2	200	7.0
Shaker 3	200	7.0
Desander		
Desilter		
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3595.2
Transferred In(+)/Out(-)	-738.0
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	300.0
Left on Cuttings (-)	0.0
Lost Returns (-)	-34.2
Non-Recoverable Vol. (-)	-40.0
Est. Total on Location	3083.0
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

BIT DATA	Manuf./Type					
Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure

Remarks/Recommendations:

FINAL REPORT

PLAN FORWARD: SKID RIG TO REDWOOD C1H.

Rig Activity:

Finished running casing from 15,200' to 18,109' LP with no issues. Rig up cement head and circulate 1 1/2 B/U through casing (lost 35bls downhole while circulating). Test lines, pump 80bls 10.5ppg spacer, 253bls 13.5ppg cement, and bump plug with 355bls of freshwater (Floats held 500psi). Rig down cementing equipment. Wash though lines and stack, nipple down, cap well, and skid to the Redwood C1H.

Eng. 1:	Patrick Blair	Eng. 2:	Nick Dilly	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	936-465-0952	Phone:	337-207-8848	Phone:	432-686-7361	Phone:	-		**$0.00**	**$78,682.60**

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

INCLUDING 3RD PARTY CHARGES	**$0.00**	**$165,226.28**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/16/21	MAGNOLIA OIL & GAS	REDWOOD 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	93	-93				30	$1,336.80
PHPA LIQUID (pail)	5 gal	$41.36	29	-29					
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$19.75							
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP STICK (ea)	each	$11.25						45	$506.25
SOAP STICKS (ea)	each	$7.00						45	$315.00
CACL2 (50)	50# sk	$14.32	448	-448				336	$4,811.52
LIME (50)	50# sk	$5.00	300	-300				525	$2,625.00
OPTI - G	50# sk	$30.59	200	-200				180	$5,506.20
BENTONE 38 (50)	50# sk	$163.94	108	-108				24	$3,934.56
BENTONE 910 (50)	50# sk	$59.40	72	-72				25	$1,485.00
BENTONE 990 (50)	50# sk	$83.59	67	-67				73	$6,102.07
OPTI - MUL	gal	$10.75	440	-440				825	$8,868.75
OPTI - WET	gal	$8.34	605	-605				565	$4,712.10
NEW PHALT	50# sk	$38.72	120	-120				55	$2,129.60
OIL SORB (25)	25# sk	$4.75	64	-64					
NEW CARB (M)	50# sk	$5.25	217	-217				35	$183.75
CYBERSEAL									
MAGMAFIBER F (25)	25# sk	$28.05	288	-288				34	$953.70
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$12.04	40	-40				25	$301.00
MICA F (50)	50# sk	$10.28	40	-40					
GRAPHITE POWDER F (50)	50# sk	$24.14	64	-64					
NEW WATE (SACK BARITE)	100# sk	$11.50	80	-80					
BARITE BULK (100)	100# sk	$7.00	1100	-1100				1409	$9,863.00
OPTI DRILL (OBM)	bbl	$65.00						-105	-$6,825.00
OPTI DRILL (OBM)	bbl	$65.00	3339	-3339					
DISCOUNTED OBM	bbl	$15.00							
MAGNOLIA OWNED MUD	bbl		256	-246		10		249	
ENGINEERING (24 HR)	each	$990.00						24	$23,760.00
ENGINEERING (DIEM)	bbl	$30.00						24	$720.00
ENGINEERING (MILES)	each	$1.00						200	$200.00
FORKLIFT WITH OPERATOR	each	$125.00						1	$125.00
Trucking (scale)	each	$15.00						4	$60.00
TRUCKING (cwt)	each	$2.65						2382	$6,312.30
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						31	$372.00
SHRINK WRAP (ea)	each	$12.00						27	$324.00
					Cumulative Total	$78,682.60		$78,682.60	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/16/21	MAGNOLIA OIL & GAS	REDWOOD 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
Diesel Transfer F/Rommel 3H	gal	$2.39							
DIESEL transfer from Redwood C-1H	gal	$2.31						3154	$7,285.74
DIESEL transfer from Redwood C-1H	gal	$2.33						7196	$16,766.68
DIESEL 07-28-21	gal	$2.34						7200	$16,848.00
DIESEL 07-30-21	gal	$2.34						7000	$16,380.00
Diesel 07-31-21	gal	$2.38							
Diesel Transfer F/Rommel 4H	gal	$2.38						11940	$28,417.20
Diesel 9-11-21	gal	$2.39	6846	-6846				354	$846.06
Diesel 9-14-2021	gal	$2.36	7000	-7000					
									$86,543.68

Cumulative Total AES & 3rd Party $165,226.28

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	REDWOOD A 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21	8/10/21	8/11/21	8/12/21	8/13/21	8/14/21	8/15/21	8/16/21	8/17/21	8/18/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8
Grand Totals	Starting Depth	3,514	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
	Ending Depth	3,514	7,371	10,311	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
14,598	Footage Drilled	-	3,857	2,940	752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,027	New Hole Vol.	-	365	279	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,990	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
100	Chemical Additions	4	8	5	10																	
910	Base Fluid Added	126	171	168	93	35																
98	Barite Increase		21																			
4,042	Weighted Mud Added		488	228																		
-	Slurry Added																					
425	Water Added		60	55		10																
169	Added for Washout				151	18																
5,744	Total Additions	130	748	456	254	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
34	Formation Loss																					
1,188	Mud Loss to Cuttings		363	273	70																	
215	Unrecoverable Volume		37	75	55																	
500	Centrifuge Losses	165	40	55	25																	
1,937	Total Losses	165	440	403	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,713	Mud Transferred Out																					
3,083	Ending System Volume	2,955	3,263	3,316	3,420	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483
-	Mud Recovered																					

3,319

Comments:		Comments:	Comments:
7/29/21	2662 BBLS Rec from Redwood C1H. 328 BBLS inside Casing.	8/5/21	8/12/21
7/30/21	488 from mud plant. 363 lost to cuttings, 37 lost to evap, 40 lost to centrifuge.	8/6/21	8/13/21
7/31/21	228 from mud plant. 273 lost to cuttings, 75 lost to evap, 55 lost to centrifuge.	8/7/21	8/14/21
8/1/21		8/8/21	8/15/21
8/2/21	Final Volume 3483 BBLS. 2975 BBLS Transferred to Rommel 3H. 508 BBLS will be left inside casing.	8/9/21	8/16/21
8/3/21		8/10/21	8/17/21
8/4/21		8/11/21	8/18/21