07/18/21 **Report #1**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **3,268' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**3,268 ft**	**3,268 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**363 ft/hr**	**Skid/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**	**2,475 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**
				7/18/21		
Time Sample Taken				12:05		
Sample Location				pit		
Flowline Temperature °F				118 °F		
Depth (ft)				3,268'		
Mud Weight (ppg)				9.1		
Funnel Vis (sec/qt)			@ 90 °F	36		
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)				1.0		
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						

MUD VOLUME (BBL)

In Pits	620 bbl
In Hole	573 bbl
Active	1193 bbl
Storage	
Tot. on Location	1193 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 = 1332 **CIRCULATION DATA** n = 0.485 K = 123.538

Bit Depth = 3,268 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.							
21.3 bbl	Volume to Bit	58.0 bbl	Strokes To Bit	634	Time To Bit	3 min
	Bottoms Up Vol.	514.8 bbl	BottomsUp Stks	5,625	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	3,268'	0'
Hevi Wt	5.500	3.000		3,268'
Dir. BHA	8.000	2.875		3,268'
				3,268'

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		3,268'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	-904.6		9.59
13.913x5	3,268'	134.2	lam	9.82

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
13 1/4	0 ft	9.0	3,268 ft	363.1

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(-)	1497.6
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	2.5
Water Added (+)	
Left on Cuttings (-)	-307.2
Sand Trap Discharge	
Est. Total on Location	1192.8
Est. Losses/Gains (-)/(+)	0.0

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			

Motor/MWD	Calc. Circ. Pressure
	933 psi

Remarks/Recommendations:

OBM RECEIVED: 1573 bbls F/Redwood C 1-H

OBM RECEIVED: 498 bbls 8.8ppg. F/Mud plant

Rig Activity:

Skid over from REDWOOD C 1-H. M/U bit, and install MWD tool, drill to 3,268'. Average ROP: 363 ft/hr, SPP: 2,475 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. Treated active system with 10 sxs SAPP @ 2,100' in anticipation of drilling through GUMBO. Slow down drill rate when drilling through GUMBO. Discontinue SAPP/SOAP additions @ 3,000' to allow for system viscosity increase. Preparing 100 PHPA sweep for clean out cycle at surface T.D. 3,492'

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

	Daily Total	Cumulative Cost
	$4,240.48	**$4,240.48**
INCLUDING 3RD PARTY CHARGES	**$4,240.48**	**$4,240.48**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/18/21	MAGNOLIA OIL & GAS	REDWOOD B 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		126	93	33	$1,470.48	33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00		162	122	40	$280.00	40	$280.00
SAPP STICK (ea)	each	$11.25		162	122	40	$450.00	40	$450.00
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				
				40	40				
				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		2071	2071				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	2	$1,980.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	2	$60.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $4,240.48		Cumulative Total $4,240.48			$4,240.48	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/18/21	**MAGNOLIA OIL & GAS**	**REDWOOD B 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/Redwood C 1-H	gal	$2.39		14400	14400				

Cumulative Total AES & 3rd Party $4,240.48

07/19/21 **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**	**07/17/21**	**0 ft**	**3,492 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**0 ft/hr**	**N/U BOP**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt/Kevin Cooper	**Tool Pusher**	**GIDDINGS (AC)**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**7-9**	**<25**	**2-10**
				7/19/21		7/18/21
Time Sample Taken				0:05		15:00
Sample Location				storage		pit
Flowline Temperature °F						
Depth (ft)				3,492'		3,492'
Mud Weight (ppg)				9.1		9.1
Funnel Vis (sec/qt)			@ 90 °F	36		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		4
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)				1.0		1.0
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	326 bbl
Active	0 bbl
Storage	
Tot. on Location	326 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

CIRCULATION DATA

PHHP = 0 n = 0.485 K = 123.538

Bit Depth = ' 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	3,482'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	13.913	3,492'		

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
13 1/4	0 ft	9.0	3,268 ft	363.1

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	1192.9
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	-866.5
Est. Total on Location	326.4
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			

Motor/MWD	Calc. Circ. Pressure

Remarks/Recommendations:

OBM RECEIVED: 501 bbls 8.8ppg. F/Mud plant

Rig Activity:

Drilled to surface T.D. 3,492'. Pumped two 50 bbl PHPA sweeps and circualted around the system. POOH to surface and L/D BHA. R/U and Held S/M with casing crew. Ran 10.75" surface casing to bottom. R/U and Held S/M with NINE cement crew to pump cement. Pump cement, dispalce plug with 326 bbl of 9.0 ppg OBM, everything OK. Transfer WBM to frac tanks and began cleaning pits. Continue to haul WBM to disposal and clean pits. Currently R/U and N/U BOP at report time. Plan ahead is finish N/U and Test BOP, and transfer 8.8 ppg OBM to active.

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
	$2,040.00	**$6,280.48**
INCLUDING 3RD PARTY CHARGES	**$2,040.00**	**$6,280.48**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/19/21	MAGNOLIA OIL & GAS	REDWOOD B 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	93		93			33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00	122		122			40	$280.00
SAPP STICK (ea)	each	$11.25	122		122			40	$450.00
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				
			40		40				
			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	2071	501	2572				
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 $2,040.00		**Cumulative Total $6,280.48**				**$6,280.48**

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/19/21	**MAGNOLIA OIL & GAS**	**REDWOOD B 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/Redwood C 1-H	gal	$2.39	14400		14400				

Cumulative Total AES & 3rd Party $6,280.48

07/20/21 **Report #3**

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

OUTSOURCE FLUID SOLUTIONS LLC.

11.1° **4,912' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**1,508 ft**	**5,000 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**377 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt/Kevin Cooper	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**830 gpm**	

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8-17	**5-40**	**2-20**	**>200**	**±275K**	**<10 <15**	**<15**
Time Sample Taken				0:05		12:30
Sample Location				pit		pit
Flowline Temperature °F				152 °F		
Depth (ft)				5,000'		
Mud Weight (ppg)				8.8		8.8
Funnel Vis (sec/qt)			@ 90 °F	45		43
600 rpm				30		23
300 rpm				19		14
200 rpm				14		11
100 rpm				9		7
6 rpm				4		2
3 rpm				3		1
Plastic Viscosity (cp)			@ 150 °F	11		9
Yield Point (lb/100 ft²)			T0 = 2	8		5
Gel Strength (lb/100 ft²)			10 sec/10 min	3/5		3/5
Gel Strength (lb/100 ft^2)			30 min	8		7
HTHP Filtrate (cm/30 min)			@ 300 °F	9.0		12.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				7%		7%
Corrected Solids (vol%)				3.8%		4.2%
Retort Oil Content				60%		63%
Retort Water Content				33%		30%
O/W Ratio				65:35		68:32
Whole Mud Chlorides (mg/L)				78,000		70,000
Water Phase Salinity (ppm)				270,413		267,875
Whole Mud Alkalinity, Pom				2.0		1.5
Excess Lime (lb/bbl)				2.6 ppb		2 ppb
Electrical Stability (volts)				295 v		225 v
Average Specific Gravity of Solids				2.58		2.90
Percent Low Gravity Solids				3.4%		2.9%
ppb Low Gravity Solids				28 ppb		24 ppb
Percent Barite				0.5%		1.3%
ppb Barite				7 ppb		19 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				E.Sanchez	0	P. Blair

MUD VOLUME (BBL)

In Pits	621 bbl
In Hole	445 bbl
Active	1066 bbl
Storage	1457 bbl
Tot. on Location	2523 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	130
gal/min	417

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	129
gal/min	413

RISER BOOSTER

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

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

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

Drill String Disp.							
37.7 bbl	Volume to Bit	85.9 bbl	Strokes To Bit	1,126	Time To Bit	4 min
	Bottoms Up Vol.	359.4 bbl	BottomsUp Stks	4,710	BottomsUp Time	18 min
	Riser Ann. Vol.	-2.6 bbl	Riser Strokes	-34	Riser Circ. Time	0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	4,668'	0'
Hevi Wt	5.000	3.000	275'	4,668'
Dir. BHA	8.000	3.250	57'	4,943'
				5,000'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,482'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	10.369	5,000'		

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	-813.8		9.14
9.95x5	3,482'	274.9	turb	9.36
10.369x5	4,668'	246.6	turb	9.62
10.369x5	4,943'	246.6	turb	9.94
10.369x8	5,000'	467.5	turb	10.29

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	3,492 ft	4.0	1,508 ft	377.0

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	326.4
Transferred In(+)/Out(-)	2246.0
Oil Added (+)	79.8
Barite Added (+)	0.0
Other Product Usage (+)	14.8
Water Added (+)	
Left on Cuttings (-)	-126.0
Sand Trap Discharge	
Non-Recoverable Vol. (-)	-17.6
Est. Total on Location	2523.3
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.59	251 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
676 lbs	179			

Motor/MWD	Calc. Circ. Pressure
250 psi	1,509 psi

Remarks/Recommendations:

OBM RECEIVED: 501 bbls 8.8ppg. F/Mud plant

Rig Activity:

Pre-Treated mud while R/U. N/U and Test BOP. P/U BHA and TIH tag cement and install rotating head. Time drill cement and 10' of new formation to 3,502'. Circualte conditioned mud to 8.8 ppg. Perform FIT test to 11.6 equivalent MWT. Resumed drilling to 5,000' at report time. Running diesel to maintain mud weight/volumes. Increasing OWR to programs spec. Average ROP: 377 fph, SPP: 4807 psi, TORQ: 9-11K, BHT: 165 degrees

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Patrick Blair	Edgar Sanchez	MIDLAND	WH #2	
Phone: 936-465-0952	Phone: 956-693-3035	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$12,664.28	**$18,944.76**
INCLUDING 3RD PARTY CHARGES	**$19,834.28**	**$26,114.76**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/20/21	MAGNOLIA OIL & GAS	REDWOOD B 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			33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00	122		122			40	$280.00
SAPP STICK (ea)	each	$11.25	122		122			40	$450.00
CACL2 (50)	50# sk	$14.32	252		168	84	$1,202.88	84	$1,202.88
LIME (50)	50# sk	$5.00	325		275	50	$250.00	50	$250.00
OPTI - G	50# sk	$30.59	120		100	20	$611.80	20	$611.80
BENTONE 38 (50)	50# sk	$163.94	63		63				
BENTONE 910 (50)	50# sk	$59.40	40		35	5	$297.00	5	$297.00
BENTONE 990 (50)	50# sk	$83.59	63		53	10	$835.90	10	$835.90
OPTI - MUL	gal	$10.75	610		360	250	$2,687.50	250	$2,687.50
OPTI - WET	gal	$8.34	605		505	100	$834.00	100	$834.00
NEW PHALT	50# sk	$38.72	145		135	10	$387.20	10	$387.20
OIL SORB (25)	25# sk	$4.75	130		130				
NEW CARB (M)	50# sk	$5.25	330		320	10	$52.50	10	$52.50
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	204		194	10	$280.50	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				
			40		40				
			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	2572		2523	49	$3,185.00	49	$3,185.00
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 (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $12,664.28		**Cumulative Total $18,944.76**			**$18,944.76**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/20/21	**MAGNOLIA OIL & GAS**	**REDWOOD B 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/Redwood C 1-H	gal	$2.39	14400		11400	3000	$7,170.00	3000	$7,170.00

							Daily Sub-Total $7,170.00		**$7,170.00**

Cumulative Total AES & 3rd Party $26,114.76

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

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

OUTSOURCE FLUID SOLUTIONS LLC.

11.1° **10,004' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**5,189 ft**	**10,189 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**247 ft/hr**	**Drilling/Sliding**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt/Kevin Cooper	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**801 gpm**	**4,970 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8-17	**5-40**	**2-20**	**>200**	**±280K**	**<10 <15**	**<15**
				7/21/21		7/20/21
Time Sample Taken				0:05		12:00
Sample Location				pit		pit
Flowline Temperature °F				169 °F		160 °F
Depth (ft)				10,189'		7,815'
Mud Weight (ppg)				9.4		9.2
Funnel Vis (sec/qt)			@ 140 °F	45		56
600 rpm				30		38
300 rpm				19		24
200 rpm				14		18
100 rpm				10		12
6 rpm				6		7
3 rpm				5		6
Plastic Viscosity (cp)			@ 150 °F	11		14
Yield Point (lb/100 ft²)			T0 = 4	8		10
Gel Strength (lb/100 ft²)			10 sec/10 min	5/8		8/11
Gel Strength (lb/100 ft^2)			30 min	11		16
HTHP Filtrate (cm/30 min)			@ 300 °F	9.0		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				11%		9%
Corrected Solids (vol%)				7.8%		5.8%
Retort Oil Content				58%		60%
Retort Water Content				31%		31%
O/W Ratio				65:35		66:34
Whole Mud Chlorides (mg/L)				79,000		80,000
Water Phase Salinity (ppm)				285,514		288,087
Whole Mud Alkalinity, Pom				1.7		2.0
Excess Lime (lb/bbl)				2.2 ppb		2.6 ppb
Electrical Stability (volts)				304 v		346 v
Average Specific Gravity of Solids				2.66		2.85
Percent Low Gravity Solids				6.4%		4.1%
ppb Low Gravity Solids				53 ppb		34 ppb
Percent Barite				1.4%		1.7%
ppb Barite				20 ppb		24 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				E.Sanchez	0	P. Blair

MUD VOLUME (BBL)

In Pits	618 bbl
In Hole	953 bbl
Active	1571 bbl
Storage	952 bbl
Tot. on Location	2523 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	125
gal/min	401

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	125
gal/min	401

RISER BOOSTER

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

PHHP = 2323 **CIRCULATION DATA** n = 0.659 K = 159.065

Bit Depth = 10,189 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.							
71.5 bbl	Volume to Bit	178.1 bbl	Strokes To Bit	2,334	Time To Bit	9 min
	Bottoms Up Vol.	775.4 bbl	BottomsUp Stks	10,161	BottomsUp Time	41 min
	Riser Ann. Vol.	-2.6 bbl	Riser Strokes	-34	Riser Circ. Time	0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	9,857'	0'
Hevi Wt	5.000	3.000	275'	9,857'
Dir. BHA	8.000	3.250	57'	10,132'
				10,189'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,482'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	10.369	10,189'		

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	-785.5		9.62
9.95x5	3,482'	265.4	turb	9.83
10.369x5	9,857'	238.0	turb	9.88
10.369x5	10,132'	238.0	turb	10.09
10.369x8	10,189'	451.3	turb	10.32

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	3,492 ft	21.0	5,189 ft	247.1

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	2523.3
Transferred In(+)/Out(-)	
Oil Added (+)	292.1
Barite Added (+)	7.2
Other Product Usage (+)	13.2
Water Added (+)	
Left on Cuttings (-)	-216.8
Sand Trap Discharge	
Non-Recoverable Vol. (-)	-95.7
Est. Total on Location	2523.4
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.53	250 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
673 lbs	172			

Motor/MWD	Calc. Circ. Pressure
250 psi	2,261 psi

Remarks/Recommendations:

Total OBM received : 2,572 bbl

Rig Activity:

Continue drilling ahead from 5,000' to 10,198'. Gradually increase MWT from 8.8ppg to current 9.4 ppg utilizing heavy mud from reserve tanks. Continue to pump 12.5 ppb LCM sweeps every 300'. Continue to add diesel as needed to maintain LGS and increase OWR to program specs. Plan ahead is to begin building 15 degree tangent. Average ROP: 247 fph, SPP: 4970 psi, GPM: 800 gpm: BHT: 234 degrees.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Patrick Blair	Edgar Sanchez	MIDLAND	WH #2	
Phone: 936-465-0952	Phone: 956-693-3035	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$9,086.30	**$28,031.06**
INCLUDING 3RD PARTY CHARGES	**$37,963.30**	**$64,078.06**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/21/21	MAGNOLIA OIL & GAS	REDWOOD B 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			33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00	122		122			40	$280.00
SAPP STICK (ea)	each	$11.25	122		122			40	$450.00
CACL2 (50)	50# sk	$14.32	168		168			84	$1,202.88
LIME (50)	50# sk	$5.00	275		200	75	$375.00	125	$625.00
OPTI - G	50# sk	$30.59	100		90	10	$305.90	30	$917.70
BENTONE 38 (50)	50# sk	$163.94	63		63				
BENTONE 910 (50)	50# sk	$59.40	35		25	10	$594.00	15	$891.00
BENTONE 990 (50)	50# sk	$83.59	53		53			10	$835.90
OPTI - MUL	gal	$10.75	360		220	140	$1,505.00	390	$4,192.50
OPTI - WET	gal	$8.34	505		475	30	$250.20	130	$1,084.20
NEW PHALT	50# sk	$38.72	135		100	35	$1,355.20	45	$1,742.40
OIL SORB (25)	25# sk	$4.75	130		100	30	$142.50	30	$142.50
NEW CARB (M)	50# sk	$5.25	320		285	35	$183.75	45	$236.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	194		159	35	$981.75	45	$1,262.25
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				
			40		40				
			64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1604		1500	104	$728.00	104	$728.00
OPTI DRILL (OBM)	bbl	$65.00	2523		2523			49	$3,185.00
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				625	$625.00	625	$625.00
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $9,086.30		**Cumulative Total $28,031.06**			**$28,031.06**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/21/21	**MAGNOLIA OIL & GAS**	**REDWOOD B 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/Redwood C 1-H	gal	$2.39	11400			11400	$27,246.00	14400	$34,416.00
Diesel 07-20-2021	gal	$2.33		7200	6500	700	$1,631.00	700	$1,631.00

Daily Sub-Total $28,877.00								**$36,047.00**	

Cumulative Total AES & 3rd Party $64,078.06

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8																			
Grand Totals	Starting Depth	3,492	5,000	10,189																		
	Ending Depth	5,000	10,189																			
6,697	Footage Drilled	1,508	5,189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
636	New Hole Vol.	144	492	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523
28	Chemical Additions	15	13																			
374	Base Fluid Added	82	292																			
7	Barite Increase		7																			
-	Weighted Mud Added																					
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
409	Total Additions	97	312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
343	Mud Loss to Cuttings	126	217																			
115	Unrecoverable Volume	20	95																			
-	Centrifuge Losses																					
458	Total Losses	146	312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,523	Ending System Volume	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523	2,523
-	Mud Recovered																					

	Comments:	Comments:	Comments:
2,572	7/20/21 Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	7/27/21	8/3/21
	7/21/21 Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	7/28/21	8/4/21
	7/22/21	7/29/21	8/5/21
	7/23/21	7/30/21	8/6/21
	7/24/21	7/31/21	8/7/21
	7/25/21	8/1/21	8/8/21
	7/26/21	8/2/21	8/9/21

07/22/21 **Report #5**

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

OUTSOURCE FLUID SOLUTIONS LLC.

29.9° **10,793' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**747 ft**	**10,936 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**0 ft/hr**	**Circulating**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt/Kevin Cooper	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**853 gpm**	**4,993 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	584 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
8-17	**5-40**	**2-20**	**>200**	**±280K**	**<10 <15**	**<15**	In Hole	1027 bbl	Stroke	12	Stroke	12	Stroke	
				7/22/21		7/21/21	Active	1609 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				0:05		15:00	Storage	1295 bbl	stk/min	133	stk/min	133	stk/min	
Sample Location				pit		shaker	Tot. on Location	2906 bbl	gal/min	426	gal/min	426	gal/min	0
Flowline Temperature °F				162 °F		165 °F	PHHP = 2483		CIRCULATION DATA				n = 0.632	K = 197.766
Depth (ft)				10,936'		10,770'	Bit Depth = 10,918 '		Washout = 5%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.6		9.5	Drill String Disp.	Volume to Bit 191.0 bbl	Strokes To Bit 2,503				Time To Bit 9 min	
Funnel Vis (sec/qt)		@ 142 °F		42		43		Bottoms Up Vol. 833.8 bbl	BottomsUp Stks 10,927				BottomsUp Time 41 min	
600 rpm				31		30	76.3 bbl	Riser Ann. Vol. -2.6 bbl	Riser Strokes -34				Riser Circ. Time 0 min	
300 rpm				20		20	DRILLING ASSEMBLY DATA						SOLIDS CONTROL	
200 rpm				15		13	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				10		11	Drill Pipe	5.000	4.276	10,586'	0'		Shaker 1	140	24.0
6 rpm				5		6	Hevi Wt	5.000	3.000	275'	10,586'		Shaker 2	140	24.0
3 rpm				4		5	Dir. BHA	8.000	3.250	57'	10,861'		Shaker 3	140	24.0
Plastic Viscosity (cp)		@ 150 °F		11		10					10,918'		Desander		
Yield Point (lb/100 ft²)		T0 = 3		9		10	CASING & HOLE DATA						Desilter		
Gel Strength (lb/100 ft²)		10 sec/10 min		5/7		5/9	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1		24.0
Gel Strength (lb/100 ft²)		30 min		8		11	Riser	20		108'			VOLUME ACCOUNTING (bbls)		
HTHP Filtrate (cm/30 min)		@ 300 °F		9.6		8.0	Surface	10 3/4	9.950	3,482'	108'		Prev. Total on Location		2523.5
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.				108'		Transferred In(+)/Out(-)		498.0
Retort Solids Content				13%		11%	Washout 1						Oil Added (+)		154.8
Corrected Solids (vol%)				9.7%		8%	Washout 2						Barite Added (+)		0.0
Retort Oil Content				57%		60%	Open Hole Size	10.369	10,936'				Other Product Usage (+)		1.8
Retort Water Content				30%		29%	ANNULAR GEOMETRY & RHEOLOGY						Water Added (+)		
O/W Ratio				66:34		67:33	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-136.5
Whole Mud Chlorides (mg/L)				80,000		74,000							Non-Recoverable Vol. (-)		-25.8
Water Phase Salinity (ppm)				294,859		285,782	0x5	108'	-835.8		9.60		Centrifuges		-110.0
Whole Mud Alkalinity, Pom				1.5		1.6	9.95x5	3,482'	282.4	turb	9.82		Est. Total on Location		2905.7
Excess Lime (lb/bbl)				2 ppb		2.1 ppb	10.369x5	10,586'	253.2	turb	9.79		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				336 v		350 v	10.369x5	10,861'	253.2	turb	9.79		BIT HYDRAULICS DATA		
Average Specific Gravity of Solids				2.55		2.87	10.369x8	10,918'	480.2	turb	9.79		Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				8.6%		5.7%							1.88	289 psi	14 14 14
ppb Low Gravity Solids				71 ppb		47 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	14 14 14
Percent Barite				1.1%		2.4%									16 16 16
ppb Barite				16 ppb		34 ppb	BIT DATA		Manuf./Type		PDC / Ulterra		778 lbs	183	
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	9 7/8	3,492 ft	43.0	5,936 ft	138.0		2,588 psi		4,993 psi

Remarks/Recommendations:

Total OBM received : 3,070 bbl

Rig Activity:

Continue drilling ahead from 10,198' to 10,936'TD. Mud logger monitored samples for confirmation of AC at casing point. Maintained mud wt 9.5 ppg, pumping 10 bbls LCM sweep every 300' to TD. At TD pumped 2 X 30 bbls tandem sweeps seeing about 20% increase in cuttings on each. Currently circulating hole clean. Received additional 8.8 ppg OBM from Newpark. Continued to add diesel and run centrifuge to maintain LGS and increase OWR to program specs. Average ROP: 34 fph, SPP: 4970 psi, GPM: 850 gpm: BHT: 246 degrees.

Eng. 1:	Mike Washburn	Eng. 2:	Nick Dilly	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	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
	$3,789.00	**$31,820.06**
INCLUDING 3RD PARTY CHARGES	**$25,127.56**	**$89,205.62**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/22/21	MAGNOLIA OIL & GAS	REDWOOD B 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			33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00	122		122			40	$280.00
SAPP STICK (ea)	each	$11.25	122		122			40	$450.00
CACL2 (50)	50# sk	$14.32	168		168			84	$1,202.88
LIME (50)	50# sk	$5.00	200		170	30	$150.00	155	$775.00
OPTI - G	50# sk	$30.59	90		90			30	$917.70
BENTONE 38 (50)	50# sk	$163.94	63		63				
BENTONE 910 (50)	50# sk	$59.40	25		25			15	$891.00
BENTONE 990 (50)	50# sk	$83.59	53		53			10	$835.90
OPTI - MUL	gal	$10.75	220		220			390	$4,192.50
OPTI - WET	gal	$8.34	475		475			130	$1,084.20
NEW PHALT	50# sk	$38.72	100		100			45	$1,742.40
OIL SORB (25)	25# sk	$4.75	100		100			30	$142.50
NEW CARB (M)	50# sk	$5.25	285		285			45	$236.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	159		159			45	$1,262.25
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				
			40		40				
			64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1500		1500			104	$728.00
OPTI DRILL (OBM)	bbl	$65.00	2523	498	3021			49	$3,185.00
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				1599	$1,599.00	2224	$2,224.00
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $3,789.00		**Cumulative Total $31,820.06**			**$31,820.06**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/22/21	MAGNOLIA OIL & GAS	REDWOOD B 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/Redwood C 1-H	gal	$2.39						14400	$34,416.00
Diesel 07-20-2021	gal	$2.33	6500			6500	$15,145.00	7200	$16,776.00
Diesel 07-21-2021	gal	$2.23		7200	4420	2780	$6,193.56	2780	$6,193.56
						Daily Sub-Total	$21,338.56		$57,385.56

Cumulative Total AES & 3rd Party $89,205.62

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8																		
Grand Totals	Starting Depth	3,492	5,000	10,189	10,936																	
	Ending Depth	5,000	10,189	10,936																		
7,444	Footage Drilled	1,508	5,189	747	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
707	New Hole Vol.	144	492	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906
30	Chemical Additions	15	13	2																		
528	Base Fluid Added	82	292	154																		
7	Barite Increase		7																			
498	Weighted Mud Added			498																		
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
1,063	Total Additions	97	312	654	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
479	Mud Loss to Cuttings	126	217	136																		
140	Unrecoverable Volume	20	95	25																		
110	Centrifuge Losses			110																		
729	Total Losses	146	312	271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,906	Ending System Volume	2,523	2,523	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906	2,906
-	Mud Recovered																					

3,070

Comments:		Comments:	Comments:
7/20/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	7/27/21	8/3/21
7/21/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	7/28/21	8/4/21
7/22/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	7/29/21	8/5/21
7/23/21		7/30/21	8/6/21
7/24/21		7/31/21	8/7/21
7/25/21		8/1/21	8/8/21
7/26/21		8/2/21	8/9/21

07/23/21 **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**	**07/17/21**	**0 ft**	**10,936 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**0 ft/hr**	**Run 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							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	472 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
8-17	**5-40**	**2-20**	**>200**	**±280K**	**<10 <15**	**<15**	In Hole	1103 bbl	Stroke	12	Stroke	12	Stroke	
				7/23/21		7/22/21	Active	472 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				0:30		13:30	Storage	1292 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				pit		pit	Tot. on Location	2867 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.678	K = 148.626
Depth (ft)				10,936'		10,936'	Bit Depth = '		Washout = 5%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.6		9.5	Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)			@ 103 °F	43		43		Bottoms Up Vol. 0.0 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				32		29	0.0 bbl	Riser Ann. Vol. 0.0 bbl	Riser Strokes				Riser Circ. Time	
300 rpm				20		19	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				14		14	Tubulars	OD (in.) ID (in.) Length Top					Unit	Screens Hours
100 rpm				9		11	Drill Pipe	0' 0'					Shaker 1	140 8.0
6 rpm				5		5	Hevi Wt	0'					Shaker 2	140 8.0
3 rpm				4		4	Dir. BHA	0'					Shaker 3	140 8.0
Plastic Viscosity (cp)			@ 150 °F	12		10		0'					Desander	
Yield Point (lb/100 ft²)			T0 = 3	8		9	**CASING & HOLE DATA**						Desilter	
Gel Strength (lb/100 ft²)			10 sec/10 min	5/7		5/8	Casing	OD (in.) ID (in.) Depth Top					Centrifuge 1	0.0
Gel Strength (lb/100 ft^2)			30 min	8		10	Riser	20 108'					**VOLUME ACCOUNTING (bbls)**	
HTHP Filtrate (cm/30 min)			@ 300 °F	8.0		8.0	Surface	10 3/4 9.950 3,482' 108'					Prev. Total on Location	2905.7
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	108'					Transferred In(+)/Out(-)	
Retort Solids Content				13%		12%	Washout 1						Oil Added (+)	40.7
Corrected Solids (vol%)				9.8%		9%	Washout 2						Barite Added (+)	20.9
Retort Oil Content				58%		60%	Open Hole Size	10.369 10,936'					Other Product Usage (+)	2.1
Retort Water Content				29%		28%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	
O/W Ratio				67:33		68:32	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	0.0
Whole Mud Chlorides (mg/L)				77,000		75,000							Non-Recoverable Vol. (-)	-64.7
Water Phase Salinity (ppm)				293,961		295,786							Mud on Cuttings	-39.1
Whole Mud Alkalinity, Pom				1.4		1.6							Est. Total on Location	2865.6
Excess Lime (lb/bbl)				1.8 ppb		2.1 ppb							Est. Losses/Gains (-)/(+)	1.4
Electrical Stability (volts)				396 v		365 v							**BIT HYDRAULICS DATA**	
Average Specific Gravity of Solids				2.58		2.66							Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Percent Low Gravity Solids				8.5%		7.4%								
ppb Low Gravity Solids				70 ppb		61 ppb							Bit Impact Force / Nozzle Velocity (ft/sec)	
Percent Barite				1.3%		1.6%								
ppb Barite				19 ppb		23 ppb	**BIT DATA**	Manuf./Type						
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD	Calc. Circ. Pressure
Sample Taken By				N. Dilly	0	P. Blair	9 7/8							

Remarks/Recommendations:

Total OBM received : 3,070 bbl

Rig Activity:

While POOH after completing intermediate TD cleanup cycle at 10,936' worked tight spot at 6.992', hook load at 230K SPP- 3475 PSI, slack off and lost 70K string wt and 1600 PSI pump pressure. Calculated drillstring parted at agitator 2500' above bit and fell to btm. Trip in hole slowly, engage fish at 8760, pump 300 gpm, put 23K WOB, rotate at 10 RPM, screw into fish, and pull 360K. POOH w/fish and lay down BHA. Rigging up and testing casing tools at report time. Rolling active mud over shakers.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Mike Washburn	Nick Dilly	MIDLAND	WH #2	
Phone: 361-945-5777	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
	$5,188.13	**$37,008.19**
INCLUDING 3RD PARTY CHARGES	**$8,845.33**	**$98,056.79**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/23/21	MAGNOLIA OIL & GAS	REDWOOD B 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			33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00	122		122			40	$280.00
SAPP STICK (ea)	each	$11.25	122		122			40	$450.00
CACL2 (50)	50# sk	$14.32	168		168			84	$1,202.88
LIME (50)	50# sk	$5.00	170		165	5	$25.00	160	$800.00
OPTI - G	50# sk	$30.59	90		90			30	$917.70
BENTONE 38 (50)	50# sk	$163.94	63		63				
BENTONE 910 (50)	50# sk	$59.40	25		23	2	$118.80	17	$1,009.80
BENTONE 990 (50)	50# sk	$83.59	53		46	7	$585.13	17	$1,421.03
OPTI - MUL	gal	$10.75	220		150	70	$752.50	460	$4,945.00
OPTI - WET	gal	$8.34	475		475			130	$1,084.20
NEW PHALT	50# sk	$38.72	100		90	10	$387.20	55	$2,129.60
OIL SORB (25)	25# sk	$4.75	100		58	42	$199.50	72	$342.00
NEW CARB (M)	50# sk	$5.25	285		285			45	$236.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	159		159			45	$1,262.25
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				
			40		40				
			64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1500		1200	300	$2,100.00	404	$2,828.00
OPTI DRILL (OBM)	bbl	$65.00	3021		3021			49	$3,185.00
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				1	$990.00	11	$10,890.00
ENGINEERING (DIEM)	bbl	$30.00				1	$30.00	11	$330.00
ENGINEERING (MILES)	each	$1.00						2224	$2,224.00
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $5,188.13		**Cumulative Total $37,008.19**				**$37,008.19**

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/23/21	MAGNOLIA OIL & GAS	REDWOOD B 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
Diesel Transfer F/Redwood C 1-H	gal	$2.39							14400	$34,416.00
Diesel 07-20-2021	gal	$2.33							7200	$16,776.00
Diesel 07-21-2021	gal	$2.23	4420		2780	1640	$3,657.20		4420	$9,856.60
Diesel 07-22-2021	gal	$2.27		7208	7208					
						Daily Sub-Total	$3,657.20			$61,048.60

Cumulative Total AES & 3rd Party $98,056.79

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8																	
	Starting Depth	3,492	5,000	10,189	10,936	10,936																
	Ending Depth	5,000	10,189	10,936	10,936																	
7,444	Footage Drilled	1,508	5,189	747	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
707	New Hole Vol.	144	492	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867
33	Chemical Additions	15	13	2	3																	
569	Base Fluid Added	82	292	154	41																	
28	Barite Increase		7		21																	
498	Weighted Mud Added			498																		
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
1,128	Total Additions	97	312	654	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
518	Mud Loss to Cuttings	126	217	136	39																	
205	Unrecoverable Volume	20	95	25	65																	
110	Centrifuge Losses			110																		
833	Total Losses	146	312	271	104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,867	Ending System Volume	2,523	2,523	2,906	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867
-	Mud Recovered																					

3,070

Comments:		Comments:	Comments:
7/20/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	7/27/21	8/3/21
7/21/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	7/28/21	8/4/21
7/22/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	7/29/21	8/5/21
7/23/21	Lost estimated 39bls to mud on cuttings while circulating, reaming, & fishing. Lost 65bls non-recoverable to tripping and fishing operations.	7/30/21	8/6/21
7/24/21		7/31/21	8/7/21
7/25/21		8/1/21	8/8/21
7/26/21		8/2/21	8/9/21

07/24/21 **Report #7**

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

OUTSOURCE FLUID SOLUTIONS LLC.

30.4° **10,800' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**0 ft**	**10,936 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**0 ft/hr**	**Cement Csg**
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
8-17	**5-40**	**2-20**	**>200**	**±280K**	**<10 <15**	**<15**
				7/24/21		7/23/21
Time Sample Taken				0:30		15:30
Sample Location				pit		shaker
Flowline Temperature °F						146 °F
Depth (ft)				10,936'		10,936'
Mud Weight (ppg)				9.7		9.8
Funnel Vis (sec/qt)			@ 118 °F	42		42
600 rpm				32		31
300 rpm				20		20
200 rpm				14		14
100 rpm				9		11
6 rpm				5		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	12		11
Yield Point (lb/100 ft²)			T0 = 3	8		9
Gel Strength (lb/100 ft²)			10 sec/10 min	5/7		5/8
Gel Strength (lb/100 ft^2)			30 min	8		9
HTHP Filtrate (cm/30 min)			@ 300 °F	8.0		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				13%		13%
Corrected Solids (vol%)				9.9%		10%
Retort Oil Content				58%		58%
Retort Water Content				29%		29%
O/W Ratio				67:33		67:33
Whole Mud Chlorides (mg/L)				76,000		75,000
Water Phase Salinity (ppm)				291,256		288,529
Whole Mud Alkalinity, Pom				0.6		1.6
Excess Lime (lb/bbl)				0.8 ppb		2.1 ppb
Electrical Stability (volts)				314 v		390 v
Average Specific Gravity of Solids				2.70		2.82
Percent Low Gravity Solids				7.9%		7.3%
ppb Low Gravity Solids				65 ppb		60 ppb
Percent Barite				2%		2.7%
ppb Barite				29 ppb		38 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly	0	P. Blair

MUD VOLUME (BBL)

In Pits	458 bbl
In Hole	497 bbl
Active	955 bbl
Storage	1801 bbl
Tot. on Location	2756 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 0 n = 0.678 K = 148.626

Bit Depth = 10,926 ' Washout = 5% Pump Efficiency = 95%

Drill String Disp.				
0.0 bbl	Volume to Bit	0.0 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	496.7 bbl	BottomsUp Stks	BottomsUp Time
	Riser Ann. Vol.	0.0 bbl	Riser Strokes	Riser Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing			10,926'	0'
Hevi Wt				10,926'
Dir. BHA				10,926'
				10,926'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,482'	108'
Int. Csg.	7 5/8	6.875	10,936'	108'
Washout 1				
Washout 2				
Open Hole Size		0.000	10,936'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x0	108'			9.70
6.875x0	10,926'	0.0	lam	9.70

BIT DATA

Size	Depth In	Manuf./Type	Hours	Footage	ROP ft/hr

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	2867.0
Transferred In(+)/Out(-)	
Oil Added (+)	88.3
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Lost Returns (-)	-109.0
Non-Recoverable Vol. (-)	-90.1
Est. Total on Location	2756.2
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Motor/MWD	Calc. Circ. Pressure

Remarks/Recommendations:

Total OBM received : 3,070 bbl

Rig Activity:

Run 7 5/8" intermediate casing to 10,926', circulate 1.5 X casing capacity with full returns, rig up cementers, test lines to 7500 PSI, pump 40bls spacer and 165 bbls lead cement. Cement truck broke down and swapped lines back to rig pumps. Circulated out spacer, cement, and 88 bbls of associated interface to cuttings tank for disposal. Wait on backup cement truck. Rig up 2nd truck and perform cement job (40bls spacer 10.5ppg, 316bls lead 11.8ppg, 80bls tail 16.2ppg) with 45bls of interface, 40bls of spacer, and 32bls of cement realized at surface. Testing casing to 3500psi at report time.

Eng. 1:	Mike Washburn	Eng. 2:	Nick Dilly	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	361-945-5777	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
	$18,245.00	**$55,253.19**
INCLUDING 3RD PARTY CHARGES	**$26,550.96**	**$124,607.75**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/24/21	MAGNOLIA OIL & GAS	REDWOOD B 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			33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00	122		122			40	$280.00
SAPP STICK (ea)	each	$11.25	122		122			40	$450.00
CACL2 (50)	50# sk	$14.32	168		168			84	$1,202.88
LIME (50)	50# sk	$5.00	165		165			160	$800.00
OPTI - G	50# sk	$30.59	90		90			30	$917.70
BENTONE 38 (50)	50# sk	$163.94	63		63				
BENTONE 910 (50)	50# sk	$59.40	23		23			17	$1,009.80
BENTONE 990 (50)	50# sk	$83.59	46		46			17	$1,421.03
OPTI - MUL	gal	$10.75	150		150			460	$4,945.00
OPTI - WET	gal	$8.34	475		475			130	$1,084.20
NEW PHALT	50# sk	$38.72	90		90			55	$2,129.60
OIL SORB (25)	25# sk	$4.75	58		58			72	$342.00
NEW CARB (M)	50# sk	$5.25	285		285			45	$236.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	159		159			45	$1,262.25
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				
			40		40				
			64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1200		1200			404	$2,828.00
OPTI DRILL (OBM)	bbl	$65.00	3021		2756	265	$17,225.00	314	$20,410.00
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				1	$990.00	12	$11,880.00
ENGINEERING (DIEM)	bbl	$30.00				1	$30.00	12	$360.00
ENGINEERING (MILES)	each	$1.00						2224	$2,224.00
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							

Daily Sub-Total $18,245.00	Cumulative Total $55,253.19	$55,253.19

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/24/21	MAGNOLIA OIL & GAS	REDWOOD B 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/Redwood C 1-H	gal	$2.39						14400	$34,416.00
Diesel 07-20-2021	gal	$2.33						7200	$16,776.00
Diesel 07-21-2021	gal	$2.23	2780			2780	$6,199.40	7200	$16,056.00
Diesel 07-22-2021	gal	$2.27	7208		6280	928	$2,106.56	928	$2,106.56
Diesel 07-22-2021	gal	$2.34		7200	7200				
						Daily Sub-Total	$8,305.96		$69,354.56

Cumulative Total AES & 3rd Party $124,607.75

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
Grand Totals	Starting Depth	3,492	5,000	10,189	10,936	10,936	10,936															
	Ending Depth	5,000	10,189	10,936	10,936	10,936																
7,444	Footage Drilled	1,508	5,189	747	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
707	New Hole Vol.	144	492	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,867	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756
33	Chemical Additions	15	13	2	3																	
657	Base Fluid Added	82	292	154	41	88																
27	Barite Increase		7		20																	
498	Weighted Mud Added			498																		
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
1,215	Total Additions	97	312	654	64	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
109	Formation Loss					109																
562	Mud Loss to Cuttings	126	217	136	38	45																
250	Unrecoverable Volume	20	95	25	65	45																
110	Centrifuge Losses			110																		
1,031	Total Losses	146	312	271	103	199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,756	Ending System Volume	2,523	2,523	2,906	2,867	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756	2,756
-	Mud Recovered																					

3,070

Comments:		Comments:	Comments:
7/20/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	7/27/21	8/3/21
7/21/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	7/28/21	8/4/21
7/22/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	7/29/21	8/5/21
7/23/21	Lost estimated 38bls to mud on cuttings while circulating, reaming, & fishing. Lost 65bls non-recoverable to tripping and fishing operations.	7/30/21	8/6/21
7/24/21	Lost estimated 45bls to mud on cuttings while circulating before and in between cement jobs. Lost estimated 45bls to cement interface and 109bls to formation during cement job.	7/31/21	8/7/21
7/25/21		8/1/21	8/8/21
7/26/21		8/2/21	8/9/21

07/25/21 **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**	**07/17/21**	**0 ft**	**10,936 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**0 ft/hr**	**Skid Rig**
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	0 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
8-17	**5-40**	**2-20**	**>200**	**±280K**	**<10 <15**	**<15**	In Hole	497 bbl	Stroke	12	Stroke	12	Stroke	
				7/24/21		7/23/21	Active	0 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				0:30		15:30	Storage	0 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				pit		shaker	Tot. on Location	497 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F						146 °F	PHHP = 0		**CIRCULATION DATA**				n = 0.678	K = 148.626
Depth (ft)				10,936'		10,936'	Bit Depth = '		Washout = 5%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.7		9.8	Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)			@ 118 °F	42		42		Bottoms Up Vol. 0.0 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				32		31	0.0 bbl	Riser Ann. Vol. 0.0 bbl	Riser Strokes				Riser Circ. Time	
300 rpm				20		20	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				14		14	Tubulars	OD (in.) ID (in.)	Length	Top			Unit Screens	Hours
100 rpm				9		11	Casing		0'	0'			Shaker 1 140	
6 rpm				5		5	Hevi Wt			0'			Shaker 2 140	
3 rpm				4		4	Dir. BHA			0'			Shaker 3 140	
Plastic Viscosity (cp)			@ 150 °F	12		11				0'			Desander	
Yield Point (lb/100 ft²)			T0 = 3	8		9	**CASING & HOLE DATA**						Desilter	
Gel Strength (lb/100 ft²)			10 sec/10 min	5/7		5/8	Casing	OD (in.) ID (in.)	Depth	Top			Centrifuge 1	
Gel Strength (lb/100 ft^2)			30 min	8		9	Riser	20	108'				**VOLUME ACCOUNTING (bbls)**	
HTHP Filtrate (cm/30 min)			@ 300 °F	8.0		8.0	Surface	10 3/4 9.950	3,482'	108'			Prev. Total on Location	2756.2
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8 6.875	10,936'	108'			Transferred In(+)/Out(-)	-2259.0
Retort Solids Content				13%		13%	Washout 1						Oil Added (+)	0.0
Corrected Solids (vol%)				9.9%		10%	Washout 2						Barite Added (+)	0.0
Retort Oil Content				58%		58%	Open Hole Size	0.000	10,936'				Other Product Usage (+)	0.0
Retort Water Content				29%		29%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	
O/W Ratio				67:33		67:33	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	0.0
Whole Mud Chlorides (mg/L)				76,000		75,000							Lost Returns (-)	
Water Phase Salinity (ppm)				291,256		288,529							Non-Recoverable Vol. (-)	
Whole Mud Alkalinity, Pom				0.6		1.6							Est. Total on Location	497.2
Excess Lime (lb/bbl)				0.8 ppb		2.1 ppb							Est. Losses/Gains (-)/(+)	0.0
Electrical Stability (volts)				314 v		390 v							**BIT HYDRAULICS DATA**	
Average Specific Gravity of Solids				2.70		2.82							Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Percent Low Gravity Solids				7.9%		7.3%								
ppb Low Gravity Solids				65 ppb		60 ppb							Bit Impact Force / Nozzle Velocity (ft/sec)	
Percent Barite				2%		2.7%								
ppb Barite				29 ppb		38 ppb	**BIT DATA**	Manuf./Type						
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD	Calc. Circ. Pressure
Sample Taken By				N. Dilly	0	P. Blair								

Remarks/Recommendations:

Total OBM received : 3,070 bbl

Rig Activity:

Run 7 5/8" intermediate casing to 10,926', circulate 1.5 X casing capacity with full returns, rig up cementers, test lines to 7500 PSI, pump 40bls spacer and 165 bbls lead cement. Cement truck broke down and swapped lines back to rig pumps. Circulated out spacer, cement, and 88 bbls of associated interface to cuttings tank for disposal. Wait on backup cement truck. Rig up 2nd truck and perform cement job (40bls spacer 10.5ppg, 316bls lead 11.8ppg, 80bls tail 16.2ppg) with 45bls of interface, 40bls of spacer, and 32bls of cement realized at surface. Testing casing to 3500psi at report time.

Eng. 1:	Mike Washburn	Eng. 2:	Nick Dilly	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	361-945-5777	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									**$0.00**	**$55,253.19**

INCLUDING 3RD PARTY CHARGES	**$0.00**	**$124,607.75**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/25/21	MAGNOLIA OIL & GAS	REDWOOD B 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				33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00	122	-122				40	$280.00
SAPP STICK (ea)	each	$11.25	122	-122				40	$450.00
CACL2 (50)	50# sk	$14.32	168	-168				84	$1,202.88
LIME (50)	50# sk	$5.00	165	-165				160	$800.00
OPTI - G	50# sk	$30.59	90	-90				30	$917.70
BENTONE 38 (50)	50# sk	$163.94	63	-63					
BENTONE 910 (50)	50# sk	$59.40	23	-23				17	$1,009.80
BENTONE 990 (50)	50# sk	$83.59	46	-46				17	$1,421.03
OPTI - MUL	gal	$10.75	150	-150				460	$4,945.00
OPTI - WET	gal	$8.34	475	-475				130	$1,084.20
NEW PHALT	50# sk	$38.72	90	-90				55	$2,129.60
OIL SORB (25)	25# sk	$4.75	58	-58				72	$342.00
NEW CARB (M)	50# sk	$5.25	285	-285				45	$236.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	159	-159				45	$1,262.25
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					
			40	-40					
			64	-64					
NEW WATE (SACK BARITE)	100# sk	$11.50	80	-80					
BARITE BULK (100)	100# sk	$7.00	1200	-1200				404	$2,828.00
OPTI DRILL (OBM)	bbl	$65.00	2756	-2259	497			314	$20,410.00
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00						12	$11,880.00
ENGINEERING (DIEM)	bbl	$30.00						12	$360.00
ENGINEERING (MILES)	each	$1.00						2224	$2,224.00
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
					Cumulative Total	$55,253.19		$55,253.19	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/25/21	**MAGNOLIA OIL & GAS**	**REDWOOD B 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/Redwood C 1-H	gal	$2.39						14400	$34,416.00
Diesel 07-20-2021	gal	$2.33						7200	$16,776.00
Diesel 07-21-2021	gal	$2.23						7200	$16,056.00
Diesel 07-22-2021	gal	$2.27	6280	-6280				928	$2,106.56
Diesel 07-22-2021	gal	$2.34	7200	-7200					
									$69,354.56

Cumulative Total AES & 3rd Party $124,607.75

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8															
	Starting Depth	3,492	5,000	10,189	10,936	10,936	10,936	10,936														
	Ending Depth	5,000	10,189	10,936	10,936	10,936	10,936															
7,444	Footage Drilled	1,508	5,189	747	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
707	New Hole Vol.	144	492	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,867	2,756	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
33	Chemical Additions	15	13	2	3																	
657	Base Fluid Added	82	292	154	41	88																
27	Barite Increase		7		20																	
498	Weighted Mud Added			498																		
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
1,215	Total Additions	97	312	654	64	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
109	Formation Loss					109																
562	Mud Loss to Cuttings	126	217	136	38	45																
250	Unrecoverable Volume	20	95	25	65	45																
110	Centrifuge Losses			110																		
1,031	Total Losses	146	312	271	103	199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,259	Mud Transferred Out						2,259															
497	Ending System Volume	2,523	2,523	2,906	2,867	2,756	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
-	Mud Recovered																					

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Comments:		Comments:	Comments:
7/20/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	7/27/21	8/3/21
7/21/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	7/28/21	8/4/21
7/22/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	7/29/21	8/5/21
7/23/21	Lost estimated 38bls to mud on cuttings while circulating, reaming, & fishing. Lost 65bls non-recoverable to tripping and fishing operations.	7/30/21	8/6/21
7/24/21	Lost estimated 45bls to mud on cuttings while circulating before and in between cement jobs. Lost estimated 45bls to cement interface and 109bls to formation during cement job.	7/31/21	8/7/21
7/25/21		8/1/21	8/8/21
7/26/21		8/2/21	8/9/21

07/25/21 **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**	**07/17/21**	**0 ft**	**10,936 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**0 ft/hr**	**Skid Rig**
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	0 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
8-17	**5-40**	**2-20**	**>200**	**±280K**	**<10 <15**	**<15**	In Hole	497 bbl	Stroke	12	Stroke	12	Stroke	
				7/24/21		7/23/21	Active	0 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				0:30		15:30	Storage	0 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				pit		shaker	Tot. on Location	497 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F						146 °F	PHHP = 0		**CIRCULATION DATA**				n = 0.678	K = 148.626
Depth (ft)				10,936'		10,936'	Bit Depth = '		Washout = 5%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.7		9.8	Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)			@ 118 °F	42		42		Bottoms Up Vol. 0.0 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				32		31	0.0 bbl	Riser Ann. Vol. 0.0 bbl	Riser Strokes				Riser Circ. Time	
300 rpm				20		20	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				14		14	Tubulars	OD (in.) ID (in.)	Length	Top			Unit Screens	Hours
100 rpm				9		11	Casing		0'	0'			Shaker 1 140	
6 rpm				5		5	Hevi Wt			0'			Shaker 2 140	
3 rpm				4		4	Dir. BHA			0'			Shaker 3 140	
Plastic Viscosity (cp)			@ 150 °F	12		11				0'			Desander	
Yield Point (lb/100 ft²)			T0 = 3	8		9	**CASING & HOLE DATA**						Desilter	
Gel Strength (lb/100 ft²)			10 sec/10 min	5/7		5/8	Casing	OD (in.) ID (in.)	Depth	Top			Centrifuge 1	
Gel Strength (lb/100 ft^2)			30 min	8		9	Riser	20	108'				**VOLUME ACCOUNTING (bbls)**	
HTHP Filtrate (cm/30 min)			@ 300 °F	8.0		8.0	Surface	10 3/4 9.950	3,482'	108'			Prev. Total on Location	2756.2
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8 6.875	10,936'	108'			Transferred In(+)/Out(-)	-2259.0
Retort Solids Content				13%		13%	Washout 1						Oil Added (+)	0.0
Corrected Solids (vol%)				9.9%		10%	Washout 2						Barite Added (+)	0.0
Retort Oil Content				58%		58%	Open Hole Size	0.000	10,936'				Other Product Usage (+)	0.0
Retort Water Content				29%		29%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	
O/W Ratio				67:33		67:33	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	0.0
Whole Mud Chlorides (mg/L)				76,000		75,000							Lost Returns (-)	
Water Phase Salinity (ppm)				291,256		288,529							Non-Recoverable Vol. (-)	
Whole Mud Alkalinity, Pom				0.6		1.6							Est. Total on Location	497.2
Excess Lime (lb/bbl)				0.8 ppb		2.1 ppb							Est. Losses/Gains (-)/(+)	0.0
Electrical Stability (volts)				314 v		390 v							**BIT HYDRAULICS DATA**	
Average Specific Gravity of Solids				2.70		2.82							Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Percent Low Gravity Solids				7.9%		7.3%								
ppb Low Gravity Solids				65 ppb		60 ppb							Bit Impact Force / Nozzle Velocity (ft/sec)	
Percent Barite				2%		2.7%								
ppb Barite				29 ppb		38 ppb	**BIT DATA**	Manuf./Type						
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD	Calc. Circ. Pressure
Sample Taken By				N. Dilly	0	P. Blair								

Remarks/Recommendations:

Total OBM received : 3,070 bbl

Rig Activity:

Run 7 5/8" intermediate casing to 10,926', circulate 1.5 X casing capacity with full returns, rig up cementers, test lines to 7500 PSI, pump 40bls spacer and 165 bbls lead cement. Cement truck broke down and swapped lines back to rig pumps. Circulated out spacer, cement, and 88 bbls of associated interface to cuttings tank for disposal. Wait on backup cement truck. Rig up 2nd truck and perform cement job (40bls spacer 10.5ppg, 316bls lead 11.8ppg, 80bls tail 16.2ppg) with 45bls of interface, 40bls of spacer, and 32bls of cement realized at surface. Testing casing to 3500psi at report time.

Eng. 1:	Mike Washburn	Eng. 2:	Nick Dilly	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	361-945-5777	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									**$0.00**	**$55,253.19**

INCLUDING 3RD PARTY CHARGES	**$0.00**	**$124,607.75**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/25/21	MAGNOLIA OIL & GAS	REDWOOD B 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				33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00	122	-122				40	$280.00
SAPP STICK (ea)	each	$11.25	122	-122				40	$450.00
CACL2 (50)	50# sk	$14.32	168	-168				84	$1,202.88
LIME (50)	50# sk	$5.00	165	-165				160	$800.00
OPTI - G	50# sk	$30.59	90	-90				30	$917.70
BENTONE 38 (50)	50# sk	$163.94	63	-63					
BENTONE 910 (50)	50# sk	$59.40	23	-23				17	$1,009.80
BENTONE 990 (50)	50# sk	$83.59	46	-46				17	$1,421.03
OPTI - MUL	gal	$10.75	150	-150				460	$4,945.00
OPTI - WET	gal	$8.34	475	-475				130	$1,084.20
NEW PHALT	50# sk	$38.72	90	-90				55	$2,129.60
OIL SORB (25)	25# sk	$4.75	58	-58				72	$342.00
NEW CARB (M)	50# sk	$5.25	285	-285				45	$236.25
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	159	-159				45	$1,262.25
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					
			40	-40					
			64	-64					
NEW WATE (SACK BARITE)	100# sk	$11.50	80	-80					
BARITE BULK (100)	100# sk	$7.00	1200	-1200				404	$2,828.00
OPTI DRILL (OBM)	bbl	$65.00	2756	-2259	497			314	$20,410.00
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00						12	$11,880.00
ENGINEERING (DIEM)	bbl	$30.00						12	$360.00
ENGINEERING (MILES)	each	$1.00						2224	$2,224.00
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
					Cumulative Total	$55,253.19		$55,253.19	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/25/21	MAGNOLIA OIL & GAS	REDWOOD B 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/Redwood C 1-H	gal	$2.39						14400	$34,416.00
Diesel 07-20-2021	gal	$2.33						7200	$16,776.00
Diesel 07-21-2021	gal	$2.23						7200	$16,056.00
Diesel 07-22-2021	gal	$2.27	6280	-6280				928	$2,106.56
Diesel 07-22-2021	gal	$2.34	7200	-7200					
									$69,354.56

Cumulative Total AES & 3rd Party $124,607.75

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/21	7/21/21	7/22/21	7/23/21	7/24/21	7/25/21	7/26/21	7/27/21	7/28/21	7/29/21	7/30/21	7/31/21	8/1/21	8/2/21	8/3/21	8/4/21	8/5/21	8/6/21	8/7/21	8/8/21	8/9/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8															
	Starting Depth	3,492	5,000	10,189	10,936	10,936	10,936	10,936														
	Ending Depth	5,000	10,189	10,936	10,936	10,936	10,936															
7,444	Footage Drilled	1,508	5,189	747	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
707	New Hole Vol.	144	492	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,867	2,756	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
33	Chemical Additions	15	13	2	3																	
657	Base Fluid Added	82	292	154	41	88																
27	Barite Increase		7		20																	
498	Weighted Mud Added			498																		
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
1,215	Total Additions	97	312	654	64	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
109	Formation Loss					109																
562	Mud Loss to Cuttings	126	217	136	38	45																
250	Unrecoverable Volume	20	95	25	65	45																
110	Centrifuge Losses			110																		
1,031	Total Losses	146	312	271	103	199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,259	Mud Transferred Out						2,259															
497	Ending System Volume	2,523	2,523	2,906	2,867	2,756	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
-	Mud Recovered																					

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Comments:		Comments:	Comments:
7/20/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	7/27/21	8/3/21
7/21/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	7/28/21	8/4/21
7/22/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	7/29/21	8/5/21
7/23/21	Lost estimated 38bls to mud on cuttings while circulating, reaming, & fishing. Lost 65bls non-recoverable to tripping and fishing operations.	7/30/21	8/6/21
7/24/21	Lost estimated 45bls to mud on cuttings while circulating before and in between cement jobs. Lost estimated 45bls to cement interface and 109bls to formation during cement job.	7/31/21	8/7/21
7/25/21		8/1/21	8/8/21
7/26/21		8/2/21	8/9/21

09/25/21 **Report #9**

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

OUTSOURCE FLUID SOLUTIONS LLC.

86.6° **11,224' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**867 ft**	**11,803 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**120 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**	**362 gpm**	**4,829 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8-17	**5-40**	**2-20**	**>200**	**±280K**	**<10 <15**	**<15**
				9/25/21		9/24/21
Time Sample Taken				0:30		14:00
Sample Location				pit		shaker
Flowline Temperature °F				108 °F		110 °F
Depth (ft)				11,792'		10,964'
Mud Weight (ppg)				10.3		10.3
Funnel Vis (sec/qt)			@ 111 °F	54		52
600 rpm				41		49
300 rpm				26		30
200 rpm				18		20
100 rpm				12		14
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	15		19
Yield Point (lb/100 ft²)			T0 = 4	11		11
Gel Strength (lb/100 ft²)			10 sec/10 min	5/9		5/8
Gel Strength (lb/100 ft²)			30 min	12		11
HTHP Filtrate (cm/30 min)			@ 300 °F	7.4		7.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				14%		14.9%
Corrected Solids (vol%)				11.8%		12.8%
Retort Oil Content				63%		63.1%
Retort Water Content				23%		22%
O/W Ratio				73:27		74:26
Whole Mud Chlorides (mg/L)				55,000		53,000
Water Phase Salinity (ppm)				272,715		274,187
Whole Mud Alkalinity, Pom				3.0		2.8
Excess Lime (lb/bbl)				3.9 ppb		3.6 ppb
Electrical Stability (volts)				450 v		490 v
Average Specific Gravity of Solids				3.31		3.15
Percent Low Gravity Solids				5.3%		6.9%
ppb Low Gravity Solids				43 ppb		57 ppb
Percent Barite				6.5%		5.9%
ppb Barite				93 ppb		84 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				C. Beasley	0	M Washburn

MUD VOLUME (BBL)

In Pits	732 bbl
In Hole	473 bbl
Active	1205 bbl
Storage	2342 bbl
Tot. on Location	3547 bbl

PUMP #1

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

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	67
gal/min	176

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 1020 n = 0.657 K = 220.195

Bit Depth = 11,803 ' Washout = 5% Pump Efficiency = 95%

Drill String Disp.							
66.5 bbl	Volume to Bit	166.7 bbl	Strokes To Bit	2,668	Time To Bit	19 min
	Bottoms Up Vol.	306.3 bbl	BottomsUp Stks	4,903	BottomsUp Time	36 min
	Riser Ann. Vol.	-2.1 bbl	Riser Strokes	-34	Riser Circ. Time	0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	11,659'	0'
Dir. BHA	5.250	2.500	144'	11,659'
				11,803'
				11,803'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,482'	108'
Int. Csg.	7 5/8	6.875	10,936'	108'
Washout 1				
Washout 2				
Open Hole Size		7.088	11,803'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x4.5	108'	-438.2		10.40
6.875x4.5	10,936'	328.5	turb	11.23
7.088x4.5	11,659'	295.9	turb	11.35
7.088x5.25	11,803'	391.3	turb	11.46

BIT DATA Manuf./Type GDT64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,936 ft	7.0	867 ft	123.9

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	497.2
Transferred In(+)/Out(-)	3059.0
Oil Added (+)	55.4
Barite Added (+)	0.0
Other Product Usage (+)	5.0
Water Added (+)	25.0
Left on Cuttings (-)	-74.0
Centrifuge	-10.0
Non-Recoverable Vol. (-)	-10.6
Est. Total on Location	3546.9
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.33	56 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
150 lbs	78			

Motor/MWD	Calc. Circ. Pressure
4,829 psi	6,387 psi

Remarks/Recommendations:

Total OBM received : 3,070 bbl

Adding Lime for alkalinity, Calcium Chloride for WPS, Bentone 38 for rheology, Opti G for HTHP, OptiMul for E.S.
Sweeps consist of Magmafiber F, NewPhalt and Newcarb M. pumped every 300'.

Rig Activity:

Rig up on Redwood B - 1H, make up BHA #4 and trip in hole to 10800 filling pipe every 30 stands drill cement and shoe track from 10800 to 10936 then 10' of new formation to 10946, circulate and combine 10.7# surface volume with 9.7# casing volume for a 10.3#, perform FIT to 13.0# EMW. Currently drilling @ 11,803'. ROP 120, Torque 7.5, Gas 595. MWD Temp 248.

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

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

	Daily Total	Cumulative Cost
	$4,315.62	**$59,568.81**
INCLUDING 3RD PARTY CHARGES	**$9,616.64**	**$134,224.39**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/25/21	MAGNOLIA OIL & GAS	REDWOOD B 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						33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00						40	$280.00
SAPP STICK (ea)	each	$11.25						40	$450.00
CACL2 (50)	50# sk	$14.32		420	392	28	$400.96	112	$1,603.84
LIME (50)	50# sk	$5.00		225	200	25	$125.00	185	$925.00
OPTI - G	50# sk	$30.59		135	135			30	$917.70
BENTONE 38 (50)	50# sk	$163.94		84	84				
BENTONE 910 (50)	50# sk	$59.40		72	72			17	$1,009.80
BENTONE 990 (50)	50# sk	$83.59		72	68	4	$334.36	21	$1,755.39
OPTI - MUL	gal	$10.75		165	110	55	$591.25	515	$5,536.25
OPTI - WET	gal	$8.34		275	220	55	$458.70	185	$1,542.90
NEW PHALT	50# sk	$38.72		165	160	5	$193.60	60	$2,323.20
OIL SORB (25)	25# sk	$4.75		60	60			72	$342.00
NEW CARB (M)	50# sk	$5.25		186	180	6	$31.50	51	$267.75
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05		263	258	5	$140.25	50	$1,402.50
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		40	40				
MICA F (50)	50# sk	$10.28		40	40				
GRAPHITE POWDER F (50)	50# sk			64	64				
NEW WATE (SACK BARITE)	100# sk	$11.50		80	80				
BARITE BULK (100)	100# sk	$7.00		1601	1601			404	$2,828.00
OPTI DRILL (OBM)	bbl	$65.00	497	2317	2814			314	$20,410.00
Magnolia Owned OBM	bbl			742	733	9		9	
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						2224	$2,224.00
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $4,315.62		Cumulative Total $59,568.81			$59,568.81	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/25/21	MAGNOLIA OIL & GAS	REDWOOD B 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/Redwood C 1-H	gal	$2.39						14400	$34,416.00
Diesel 07-20-2021	gal	$2.33						7200	$16,776.00
Diesel 07-21-2021	gal	$2.23						7200	$16,056.00
Diesel 07-22-2021	gal	$2.27						928	$2,106.56
Diesel 07-22-2021	gal	$2.34							
Diesel 09-24-2021	gal	$2.39		11718	9500	2218	$5,301.02	2218	$5,301.02

Daily Sub-Total $5,301.02

$74,655.58

Cumulative Total AES & 3rd Party $134,224.39

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	9/19/21	9/20/21	9/21/21	9/22/21	9/23/21	9/24/21	9/25/21	9/26/21	9/27/21	9/28/21	9/29/21	9/30/21	10/1/21	10/2/21	10/3/21	10/4/21	10/5/21	10/6/21	10/7/21	10/8/21	10/9/21
		Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4														
	Starting Depth	3,492	5,000	10,189	10,936	10,936	10,936	10,936	11,803													
	Ending Depth	5,000	10,189	10,936	10,936	10,936	10,936	11,803														
8,311	Footage Drilled	1,508	5,189	747	-	-	-	867	-	-	-	-	-	-	-	-	-	-	-	-	-	-
745	New Hole Vol.	144	492	71	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,867	2,756	497	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547
38	Chemical Additions	15	13	2	3			5														
712	Base Fluid Added	82	292	154	41	88		55														
27	Barite Increase		7		20																	
3,557	Weighted Mud Added			498				3,059														
-	Slurry Added																					
25	Water Added							25														
-	Added for Washout																					
4,359	Total Additions	97	312	654	64	88	-	3,144	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
109	Formation Loss					109																
636	Mud Loss to Cuttings	126	217	136	38	45		74														
260	Unrecoverable Volume	20	95	25	65	45		10														
120	Centrifuge Losses			110				10														
1,125	Total Losses	146	312	271	103	199	-	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,259	Mud Transferred Out						2,259															
3,547	Ending System Volume	2,523	2,523	2,906	2,867	2,756	497	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547
-	Mud Recovered																					

3,870

Comments:		Comments:	Comments:
9/19/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	9/26/21	10/3/21
9/20/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	9/27/21	10/4/21
9/21/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	9/28/21	10/5/21
9/22/21	Lost estimated 38bls to mud on cuttings while circulating, reaming, & fishing. Lost 65bls non-recoverable to tripping and fishing operations.	9/29/21	10/6/21
9/23/21	Lost estimated 45bls to mud on cuttings while circulating before and in between cement jobs. Lost estimated 45bls to cement interface and 109bls to formation during cement job.	9/30/21	10/7/21
9/24/21		10/1/21	10/8/21
9/25/21	3059 Transferred from Redwood C1H (2317 Newpark OBM)	10/2/21	10/9/21

09/26/21 **Report #10**

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

OUTSOURCE FLUID SOLUTIONS LLC.

88.5° **11,386' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**3,341 ft**	**15,144 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**189 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**	**352 gpm**	**5,164 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8-17	**5-40**	**2-20**	**>200**	**±300K**	**<10 <15**	**<15**
				9/26/21		9/25/21
Time Sample Taken				0:30		14:00
Sample Location				pit		shaker
Flowline Temperature °F				110 °F		111 °F
Depth (ft)				15,144'		13,894'
Mud Weight (ppg)				10.5		10.3
Funnel Vis (sec/qt)			@ 95 °F	56		55
600 rpm				42		43
300 rpm				26		27
200 rpm				18		17
100 rpm				14		15
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	16		16
Yield Point (lb/100 ft²)			T0 = 4	10		11
Gel Strength (lb/100 ft²)			10 sec/10 min	5/9		5/8
Gel Strength (lb/100 ft²)			30 min	12		12
HTHP Filtrate (cm/30 min)			@ 300 °F	6.4		6.4
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				15.5%		14.5%
Corrected Solids (vol%)				13.1%		12.2%
Retort Oil Content				62.5%		63.5%
Retort Water Content				22%		22%
O/W Ratio				74:26		74:26
Whole Mud Chlorides (mg/L)				57,800		58,000
Water Phase Salinity (ppm)				291,774		292,488
Whole Mud Alkalinity, Pom				2.8		3.1
Excess Lime (lb/bbl)				3.6 ppb		4 ppb
Electrical Stability (volts)				469 v		485 v
Average Specific Gravity of Solids				3.23		3.22
Percent Low Gravity Solids				6.5%		6.1%
ppb Low Gravity Solids				54 ppb		50 ppb
Percent Barite				6.6%		6.1%
ppb Barite				95 ppb		87 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				C. Beasley	0	M Washburn

MUD VOLUME (BBL)

In Pits	569 bbl
In Hole	618 bbl
Active	1187 bbl
Storage	2342 bbl
Tot. on Location	3529 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	69
gal/min	181

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	65
gal/min	171

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 1059 n = 0.692 K = 177.275

Bit Depth = 15,144 ' Washout = 5% Pump Efficiency = 95%

Drill String Disp.							
84.8 bbl	Volume to Bit	214.2 bbl	Strokes To Bit	3,429	Time To Bit	26 min
	Bottoms Up Vol.	403.6 bbl	BottomsUp Stks	6,461	BottomsUp Time	48 min
	Riser Ann. Vol.	-2.1 bbl	Riser Strokes	-34	Riser Circ. Time	0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	15,000'	0'
Dir. BHA	5.250	2.500	144'	15,000'
				15,144'
				15,144'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,482'	108'
Int. Csg.	7 5/8	6.875	10,936'	108'
Washout 1				
Washout 2				
Open Hole Size		7.088	15,144'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x4.5	108'	-425.5		10.66
6.875x4.5	10,936'	318.9	turb	11.47
7.088x4.5	15,000'	287.3	turb	11.81
7.088x5.25	15,144'	380.0	turb	11.99

BIT DATA

Manuf./Type	GDT64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,936 ft	31.0	4,208 ft	135.7

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3546.9
Transferred In(+)/Out(-)	
Oil Added (+)	74.0
Barite Added (+)	0.0
Other Product Usage (+)	11.5
Water Added (+)	25.0
Left on Cuttings (-)	-81.5
Centrifuge	-25.0
Non-Recoverable Vol. (-)	-22.2
Est. Total on Location	3528.8
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.31	54 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
145 lbs	76			

Motor/MWD	Calc. Circ. Pressure
4,702 psi	6,580 psi

Remarks/Recommendations:

Total OBM received : 3,070 bbl

Adding Lime for alkalinity, Calcium Chloride for WPS, Bentone 38 for rheology, Opti G for HTHP, OptiMul for E.S.
Sweeps consist of Magmafiber F, NewPhalt and Newcarb M. pumped every 300'.

Rig Activity:

Drilling 6-3/4" lateral hole section in the "A" section of the Austin Chalk, cuttings are 100% limestone AC since drilling out. Land curve at 11889MD, 11216TVD 85 deg INCL. Maintain mud wt at 10.3, pumping 10 bbls LCM sweep every 300' while rotating. Operate centrifuge as needed to reduce MW and control L.G.S. Adding diesel, Lime, Gilsonite and Bentone clays to maintain fluid properites within programmed specifications. No downhole seepage losses in this interval. Drilled to 15,144'. Slowly increased MW to 10.5 PPG. ROP 189, Gas 1132, Torque 9, MWD Temp 302. Drilling ahead.

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

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

	Daily Total	Cumulative Cost
	$7,134.95	**$66,703.76**
INCLUDING 3RD PARTY CHARGES	**$14,304.95**	**$148,529.34**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/26/21	MAGNOLIA OIL & GAS	REDWOOD B 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						33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00						40	$280.00
SAPP STICK (ea)	each	$11.25						40	$450.00
CACL2 (50)	50# sk	$14.32	392		392			112	$1,603.84
LIME (50)	50# sk	$5.00	200		155	45	$225.00	230	$1,150.00
OPTI - G	50# sk	$30.59	135		80	55	$1,682.45	85	$2,600.15
BENTONE 38 (50)	50# sk	$163.94	84		76	8	$1,311.52	8	$1,311.52
BENTONE 910 (50)	50# sk	$59.40	72		72			17	$1,009.80
BENTONE 990 (50)	50# sk	$83.59	68		66	2	$167.18	23	$1,922.57
OPTI - MUL	gal	$10.75	110		55	55	$591.25	570	$6,127.50
OPTI - WET	gal	$8.34	220		165	55	$458.70	240	$2,001.60
NEW PHALT	50# sk	$38.72	160		150	10	$387.20	70	$2,710.40
OIL SORB (25)	25# sk	$4.75	60		60			72	$342.00
NEW CARB (M)	50# sk	$5.25	180		171	9	$47.25	60	$315.00
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	258		250	8	$224.40	58	$1,626.90
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				
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk		64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1601		1601			404	$2,828.00
OPTI DRILL (OBM)	bbl	$65.00	2814		2814			314	$20,410.00
Magnolia Owned OBM	bbl		733		733			9	
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						2224	$2,224.00
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $7,134.95		**Cumulative Total $66,703.76**			**$66,703.76**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/26/21	**MAGNOLIA OIL & GAS**	**REDWOOD B 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/Redwood C 1-H	gal	$2.39						14400	$34,416.00
Diesel 07-20-2021	gal	$2.33						7200	$16,776.00
Diesel 07-21-2021	gal	$2.23						7200	$16,056.00
Diesel 07-22-2021	gal	$2.27						928	$2,106.56
Diesel 07-22-2021	gal	$2.34							
Diesel 09-24-2021	gal	$2.39	9500		6500	3000	$7,170.00	5218	$12,471.02
Diesel 09-25-21	gal	$2.46		5200	5200				
							Daily Sub-Total $7,170.00		**$81,825.58**

Cumulative Total AES & 3rd Party $148,529.34

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	9/19/21	9/20/21	9/21/21	9/22/21	9/23/21	9/24/21	9/25/21	9/26/21	9/27/21	9/28/21	9/29/21	9/30/21	10/1/21	10/2/21	10/3/21	10/4/21	10/5/21	10/6/21	10/7/21	10/8/21	10/9/21
		Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4													
	Starting Depth	3,492	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144												
	Ending Depth	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144													
11,652	Footage Drilled	1,508	5,189	747	-	-	-	867	3,341	-	-	-	-	-	-	-	-	-	-	-	-	-
893	New Hole Vol.	144	492	71	-	-	-	38	148	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529
50	Chemical Additions	15	13	2	3			5	12													
786	Base Fluid Added	82	292	154	41	88		55	74													
27	Barite Increase		7		20																	
3,557	Weighted Mud Added			498				3,059														
-	Slurry Added																					
50	Water Added							25	25													
-	Added for Washout																					
4,470	Total Additions	97	312	654	64	88	-	3,144	111	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
109	Formation Loss					109																
718	Mud Loss to Cuttings	126	217	136	38	45		74	82													
282	Unrecoverable Volume	20	95	25	65	45		10	22													
145	Centrifuge Losses			110				10	25													
1,254	Total Losses	146	312	271	103	199	-	94	129	-	-	-	-	-	-	-	-	-	-	-	-	-
2,259	Mud Transferred Out						2,259															
3,529	Ending System Volume	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529	3,529
-	Mud Recovered																					

3,870

Comments:		Comments:	Comments:
9/19/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	9/26/21	10/3/21
9/20/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	9/27/21	10/4/21
9/21/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	9/28/21	10/5/21
9/22/21	Lost estimated 38bls to mud on cuttings while circulating, reaming, & fishing. Lost 65bls non-recoverable to tripping and fishing operations.	9/29/21	10/6/21
9/23/21	Lost estimated 45bls to mud on cuttings while circulating before and in between cement jobs. Lost estimated 45bls to cement interface and 109bls to formation during cement job.	9/30/21	10/7/21
9/24/21		10/1/21	10/8/21
9/25/21	3059 Transferred from Redwood C1H (2317 Newpark OBM)	10/2/21	10/9/21

09/27/21 **Report #11**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.9° **8,882' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**1,989 ft**	**17,133 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**0 ft/hr**	**TRIP**
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
8-17	**5-40**	**2-20**	**>200**	**±300K**	**<10 <15**	**<15**
				9/27/21		9/26/21
Time Sample Taken				0:30		14:00
Sample Location				pit		shaker
Flowline Temperature °F						115 °F
Depth (ft)				17,133'		16,861'
Mud Weight (ppg)				10.5		10.5
Funnel Vis (sec/qt)			@ 90 °F	57		55
600 rpm				48		53
300 rpm				29		32
200 rpm				21		23
100 rpm				13		14
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	19		21
Yield Point (lb/100 ft²)			T0 = 4	10		11
Gel Strength (lb/100 ft²)			10 sec/10 min	5/10		5/10
Gel Strength (lb/100 ft^2)			30 min	12		12
HTHP Filtrate (cm/30 min)			@ 300 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				15.5%		15.4%
Corrected Solids (vol%)				13.3%		13.3%
Retort Oil Content				63.5%		63.6%
Retort Water Content				21%		21%
O/W Ratio				75:25		75:25
Whole Mud Chlorides (mg/L)				54,500		53,000
Water Phase Salinity (ppm)				289,245		283,542
Whole Mud Alkalinity, Pom				2.9		3.1
Excess Lime (lb/bbl)				3.8 ppb		4 ppb
Electrical Stability (volts)				470 v		494 v
Average Specific Gravity of Solids				3.25		3.26
Percent Low Gravity Solids				6.5%		6.4%
ppb Low Gravity Solids				53 ppb		52 ppb
Percent Barite				6.8%		6.9%
ppb Barite				98 ppb		99 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				C. Beasley	0	M Washburn

MUD VOLUME (BBL)

In Pits	875 bbl
In Hole	748 bbl
Active	1231 bbl
Storage	1946 bbl
Tot. on Location	3569 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 = 0.727 K = 158.853

Bit Depth = 8,975 ' Washout = 5% Pump Efficiency = 95%

Drill String Disp.				
51.1 bbl	Volume to Bit	126.5 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	229.6 bbl	BottomsUp Stks	BottomsUp Time
	Riser Ann. Vol.	-2.1 bbl	Riser Strokes	Riser Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	8,831'	0'
Dir. BHA	5.250	2.500	144'	8,831'
				8,975'
				8,975'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,482'	108'
Int. Csg.	7 5/8	6.875	10,936'	108'
Washout 1				
Washout 2				
Open Hole Size		7.088	17,133'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x4.5	108'	0.0		10.50
6.875x4.5	8,831'	0.0	lam	10.50
6.875x5.25	8,975'	0.0	lam	10.50

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3528.8
Transferred In(+)/Out(-)	
Oil Added (+)	47.6
Barite Added (+)	34.9
Other Product Usage (+)	5.1
Water Added (+)	20.0
Left on Cuttings (-)	-48.5
Centrifuge	
Non-Recoverable Vol. (-)	-18.3
Est. Total on Location	3569.5
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			

BIT DATA Manuf./Type GDT64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	10,936 ft	43.0	6,197 ft	144.1	4,702 psi	

Remarks/Recommendations:

Total OBM received : 3,070 bbl

Adding Lime for alkalinity, Calcium Chloride for WPS, Bentone 38 for rheology, Opti G for HTHP, OptiMul for E.S.
Sweeps consist of Magmafiber F, NewPhalt and Newcarb M. pumped every 300'.

Rig Activity:

Sliding and rotate drilling 6-3/4" lateral hole section in the "A" section, lowest or bottom layer of the Austin Chalk, samples have been 100% AC since drilling past the ash marker in the curve. Mud wt was increased gradually from 10.3# to 10.5# which reduced gas readings and the size of flare. Operate centrifuge as needed to control L.G.S. and reduce mud wt. Adding diesel and water to maintain O:W:R, lime for Alkalinity, Gilsonite for HTHP reduction and Bentone clays for enhanced rheologies. No down hole mud losses. Drilled to 17133'. Conditioned mud and circulate sweep around. Shut in and strip out to 10,926'. Circulated bottoms up and work pipe. Monitor casing pressure, spot 112 bbl 17# mud cap. Flow check, no flow. POOH slow to top of mud cap to 8500'.

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	1	1	1	0	1	1	1	1

	Daily Total	Cumulative Cost
	$7,389.53	**$74,093.29**
INCLUDING 3RD PARTY CHARGES	**$12,169.53**	**$160,698.87**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/27/21	MAGNOLIA OIL & GAS	REDWOOD B 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						33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00						40	$280.00
SAPP STICK (ea)	each	$11.25						40	$450.00
CACL2 (50)	50# sk	$14.32	392		392			112	$1,603.84
LIME (50)	50# sk	$5.00	155		135	20	$100.00	250	$1,250.00
OPTI - G	50# sk	$30.59	80		60	20	$611.80	105	$3,211.95
BENTONE 38 (50)	50# sk	$163.94	76		72	4	$655.76	12	$1,967.28
BENTONE 910 (50)	50# sk	$59.40	72		72			17	$1,009.80
BENTONE 990 (50)	50# sk	$83.59	66		64	2	$167.18	25	$2,089.75
OPTI - MUL	gal	$10.75	55		55			570	$6,127.50
OPTI - WET	gal	$8.34	165		165			240	$2,001.60
NEW PHALT	50# sk	$38.72	150		143	7	$271.04	77	$2,981.44
OIL SORB (25)	25# sk	$4.75	60		60			72	$342.00
NEW CARB (M)	50# sk	$5.25	171		164	7	$36.75	67	$351.75
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	250		250			58	$1,626.90
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				
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk		64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1601		1100	501	$3,507.00	905	$6,335.00
OPTI DRILL (OBM)	bbl	$65.00	2814		2814			314	$20,410.00
Magnolia Owned OBM	bbl		733		733			9	
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						2224	$2,224.00
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
			Daily Sub-Total $7,389.53		**Cumulative Total $74,093.29**			**$74,093.29**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/27/21	MAGNOLIA OIL & GAS	REDWOOD B 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/Redwood C 1-H	gal	$2.39						14400	$34,416.00
Diesel 07-20-2021	gal	$2.33						7200	$16,776.00
Diesel 07-21-2021	gal	$2.23						7200	$16,056.00
Diesel 07-22-2021	gal	$2.27						928	$2,106.56
Diesel 07-22-2021	gal	$2.34							
Diesel 09-24-2021	gal	$2.39	6500		4500	2000	$4,780.00	7218	$17,251.02
Diesel 09-25-21	gal	$2.46	5200		5200				
						Daily Sub-Total	$4,780.00		$86,605.58

Cumulative Total AES & 3rd Party $160,698.87

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	9/19/21	9/20/21	9/21/21	9/22/21	9/23/21	9/24/21	9/25/21	9/26/21	9/27/21	9/28/21	9/29/21	9/30/21	10/1/21	10/2/21	10/3/21	10/4/21	10/5/21	10/6/21	10/7/21	10/8/21	10/9/21
		Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4												
	Starting Depth	3,492	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144	17,133											
	Ending Depth	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144	17,133												
13,641	Footage Drilled	1,508	5,189	747	-	-	-	867	3,341	1,989	-	-	-	-	-	-	-	-	-	-	-	-
981	New Hole Vol.	144	492	71	-	-	-	38	148	88	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569
55	Chemical Additions	15	13	2	3			5	12	5												
834	Base Fluid Added	82	292	154	41	88		55	74	48												
62	Barite Increase		7		20					35												
3,557	Weighted Mud Added			498				3,059														
-	Slurry Added																					
70	Water Added							25	25	20												
-	Added for Washout																					
4,578	Total Additions	97	312	654	64	88	-	3,144	111	108	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
109	Formation Loss					109																
767	Mud Loss to Cuttings	126	217	136	38	45		74	82	49												
301	Unrecoverable Volume	20	95	25	65	45		10	22	19												
145	Centrifuge Losses			110				10	25													
1,322	Total Losses	146	312	271	103	199	-	94	129	68	-	-	-	-	-	-	-	-	-	-	-	-
2,259	Mud Transferred Out						2,259															
3,569	Ending System Volume	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569
-	Mud Recovered																					

3,870

Comments:		Comments:	Comments:
9/19/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	9/26/21	10/3/21
9/20/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	9/27/21	10/4/21
9/21/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	9/28/21	10/5/21
9/22/21	Lost estimated 38bls to mud on cuttings while circulating, reaming, & fishing. Lost 65bls non-recoverable to tripping and fishing operations.	9/29/21	10/6/21
9/23/21	Lost estimated 45bls to mud on cuttings while circulating before and in between cement jobs. Lost estimated 45bls to cement interface and 109bls to formation during cement job.	9/30/21	10/7/21
9/24/21		10/1/21	10/8/21
9/25/21	3059 Transferred from Redwood C1H (2317 Newpark OBM)	10/2/21	10/9/21

09/28/21 **Report #12**

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

OUTSOURCE FLUID SOLUTIONS LLC.

86.2° **11,578' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**134 ft**	**17,267 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**190 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**	**367 gpm**	**5,175 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8-17	**5-40**	**2-20**	**>200**	**±300K**	**<10 <15**	**<15**
				9/28/21		9/27/21
Time Sample Taken				0:30		14:00
Sample Location				pit		pit
Flowline Temperature °F				105 °F		115 °F
Depth (ft)				17,267'		17,133'
Mud Weight (ppg)				10.5		10.5
Funnel Vis (sec/qt)			@ 95 °F	55		59
600 rpm				49		51
300 rpm				30		31
200 rpm				21		22
100 rpm				14		15
6 rpm				6		7
3 rpm				5		6
Plastic Viscosity (cp)			@ 150 °F	19		20
Yield Point (lb/100 ft²)			T0 = 4	11		11
Gel Strength (lb/100 ft²)			10 sec/10 min	5/10		6/11
Gel Strength (lb/100 ft^2)			30 min	12		13
HTHP Filtrate (cm/30 min)			@ 300 °F	6.4		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				15.5%		15.5%
Corrected Solids (vol%)				13.3%		13.3%
Retort Oil Content				64%		63.5%
Retort Water Content				20.5%		21%
O/W Ratio				76:24		75:25
Whole Mud Chlorides (mg/L)				54,000		54,500
Water Phase Salinity (ppm)				292,314		289,245
Whole Mud Alkalinity, Pom				2.5		3.1
Excess Lime (lb/bbl)				3.3 ppb		4 ppb
Electrical Stability (volts)				493 v		510 v
Average Specific Gravity of Solids				3.26		3.24
Percent Low Gravity Solids				6.4%		6.5%
ppb Low Gravity Solids				53 ppb		54 ppb
Percent Barite				6.9%		6.8%
ppb Barite				99 ppb		97 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				C. Beasley	0	M Washburn

MUD VOLUME (BBL)

In Pits	668 bbl
In Hole	710 bbl
Active	1378 bbl
Storage	2234 bbl
Tot. on Location	3612 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	70
gal/min	184

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	70
gal/min	184

RISER BOOSTER

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

PHHP = 1109 **CIRCULATION DATA** n = 0.708 K = 185.191

Bit Depth = 17,267 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.					
96.3 bbl	Volume to Bit	244.4 bbl	Strokes To Bit	3,912	Time To Bit 28 min
	Bottoms Up Vol.	465.5 bbl	BottomsUp Stks	7,451	BottomsUp Time 53 min
	Riser Ann. Vol.	-2.1 bbl	Riser Strokes	-34	Riser Circ. Time 0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	17,123'	0'
Dir. BHA	5.250	2.500	144'	17,123'
				17,267'
				17,267'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,482'	108'
Int. Csg.	7 5/8	6.875	10,936'	108'
Washout 1				
Washout 2				
Open Hole Size		7.088	17,267'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x4.5	108'	-444.6		10.66
6.875x4.5	10,936'	333.2	turb	11.57
7.088x4.5	17,123'	300.2	turb	12.02
7.088x5.25	17,267'	397.0	turb	12.20

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3569.5
Transferred In(+)/Out(-)	
Oil Added (+)	23.8
Barite Added (+)	13.9
Other Product Usage (+)	1.7
Water Added (+)	10.0
Left on Cuttings (-)	-3.3
Centrifuge	-3.9
Non-Recoverable Vol. (-)	
Est. Total on Location	3611.8
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.35	59 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
158 lbs	79			

BIT DATA Manuf./Type GDT64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	17,133 ft	1.0	134 ft	134.0	5,175 psi	7,542 psi

Remarks/Recommendations:

Total OBM received : 3,070 bbl

Adding Lime for alkalinity, Calcium Chloride for WPS, Bentone 38 for rheology, Opti G for HTHP, OptiMul for E.S.
Sweeps consist of Magmafiber F, NewPhalt and Newcarb M. pumped every 300'.

Rig Activity:

Complete pull out of hole due to low R.O.P. , lay down BHA, bit was in good condition, mud motor had discontinued working, make up BHA #4, trip in hole to 4517, well flowing, start stripping in hole to 11,037'. Circulated mud cap out of hole. 140 BBLS captured ranging from 13 to 16.5 PPG. Heavy mud was sent to slug pit, weighted up and returned to frac tank. TIH to 17,133, drilling ahead. Sweep prepared in slug pit, pumping every 300'. Adding lime to increase alkalinity. Centrifuge was ran to reduce weight in the active system due to circulating out kill mud. Currently drilling with 322 units gas, MWD temp 320, ROP 215, No losses to formation. Mud chiller in use.

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

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

	Daily Total	Cumulative Cost
	$4,701.18	**$78,794.47**
INCLUDING 3RD PARTY CHARGES	**$7,091.18**	**$167,790.05**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/28/21	MAGNOLIA OIL & GAS	REDWOOD B 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						33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00						40	$280.00
SAPP STICK (ea)	each	$11.25						40	$450.00
CACL2 (50)	50# sk	$14.32	392		392			112	$1,603.84
LIME (50)	50# sk	$5.00	135		110	25	$125.00	275	$1,375.00
OPTI - G	50# sk	$30.59	60		58	2	$61.18	107	$3,273.13
BENTONE 38 (50)	50# sk	$163.94	72		72			12	$1,967.28
BENTONE 910 (50)	50# sk	$59.40	72		72			17	$1,009.80
BENTONE 990 (50)	50# sk	$83.59	64		64			25	$2,089.75
OPTI - MUL	gal	$10.75	55		55			570	$6,127.50
OPTI - WET	gal	$8.34	165		165			240	$2,001.60
NEW PHALT	50# sk	$38.72	143		143			77	$2,981.44
OIL SORB (25)	25# sk	$4.75	60		60			72	$342.00
NEW CARB (M)	50# sk	$5.25	164		164			67	$351.75
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	250		250			58	$1,626.90
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				
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk		64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1100	400	1300	200	$1,400.00	1105	$7,735.00
OPTI DRILL (OBM)	bbl	$65.00	2814		2814			314	$20,410.00
Magnolia Owned OBM	bbl		733		733			9	
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						2224	$2,224.00
SCALE TICKET	each	$15.00				1	$15.00	1	$15.00
TRUCKING (cwt)	each	$2.65				400	$1,060.00	400	$1,060.00
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $4,701.18			Cumulative Total $78,794.47			$78,794.47	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/28/21	**MAGNOLIA OIL & GAS**	**REDWOOD B 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/Redwood C 1-H	gal	$2.39						14400	$34,416.00
Diesel 07-20-2021	gal	$2.33						7200	$16,776.00
Diesel 07-21-2021	gal	$2.23						7200	$16,056.00
Diesel 07-22-2021	gal	$2.27						928	$2,106.56
Diesel 07-22-2021	gal	$2.34							
Diesel 09-24-2021	gal	$2.39	4500		3500	1000	$2,390.00	8218	$19,641.02
Diesel 09-25-21	gal	$2.46	5200		5200				

Daily Sub-Total $2,390.00

$88,995.58

Cumulative Total AES & 3rd Party $167,790.05

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	9/19/21	9/20/21	9/21/21	9/22/21	9/23/21	9/24/21	9/25/21	9/26/21	9/27/21	9/28/21	9/29/21	9/30/21	10/1/21	10/2/21	10/3/21	10/4/21	10/5/21	10/6/21	10/7/21	10/8/21	10/9/21
		Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4											
	Starting Depth	3,492	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144	17,133	17,267										
	Ending Depth	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144	17,133	17,267											
13,775	Footage Drilled	1,508	5,189	747	-	-	-	867	3,341	1,989	134	-	-	-	-	-	-	-	-	-	-	-
987	New Hole Vol.	144	492	71	-	-	-	38	148	88	6	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,569	3,612	3,612	3,612	3,612	3,612	3,612	3,612	3,612	3,612	3,612	3,612
57	Chemical Additions	15	13	2	3			5	12	5	2											
858	Base Fluid Added	82	292	154	41	88		55	74	48	24											
76	Barite Increase		7		20					35	14											
3,557	Weighted Mud Added			498				3,059														
-	Slurry Added																					
80	Water Added							25	25	20	10											
-	Added for Washout																					
4,628	Total Additions	97	312	654	64	88	-	3,144	111	108	50	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
109	Formation Loss					109																
770	Mud Loss to Cuttings	126	217	136	38	45		74	82	49	3											
301	Unrecoverable Volume	20	95	25	65	45		10	22	19												
149	Centrifuge Losses			110				10	25		4											
1,329	Total Losses	146	312	271	103	199	-	94	129	68	7	-	-	-	-	-	-	-	-	-	-	-
2,259	Mud Transferred Out						2,259															
3,612	Ending System Volume	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,569	3,612	3,612	3,612	3,612	3,612	3,612	3,612	3,612	3,612	3,612	3,612	3,612
-	Mud Recovered																					

3,870

Comments:		Comments:	Comments:
9/19/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	9/26/21	10/3/21
9/20/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	9/27/21	10/4/21
9/21/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	9/28/21	10/5/21
9/22/21	Lost estimated 38bls to mud on cuttings while circulating, reaming, & fishing. Lost 65bls non-recoverable to tripping and fishing operations.	9/29/21	10/6/21
9/23/21	Lost estimated 45bls to mud on cuttings while circulating before and in between cement jobs. Lost estimated 45bls to cement interface and 109bls to formation during cement job.	9/30/21	10/7/21
9/24/21		10/1/21	10/8/21
9/25/21	3059 Transferred from Redwood C1H (2317 Newpark OBM)	10/2/21	10/9/21

09/29/21 **Report #13**

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

OUTSOURCE FLUID SOLUTIONS LLC.

86.2° **11,718' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**2,122 ft**	**19,389 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**0 ft/hr**	**Circulating**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Brandon Parks / James Dyer	**Tool Pusher**	**GIDDINGS (AC)**	**OBM**	**359 gpm**	**4,627 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8-17	**5-40**	**2-20**	**>200**	**±300K**	**<10 <15**	**<15**
				9/29/21		9/28/21
Time Sample Taken				0:30		14:00
Sample Location				pit		pit
Flowline Temperature °F				122 °F		120 °F
Depth (ft)				19,389'		18,812'
Mud Weight (ppg)				11.0		10.5
Funnel Vis (sec/qt)			@ 105 °F	57		53
600 rpm				42		50
300 rpm				26		30
200 rpm				20		21
100 rpm				14		13
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	16		20
Yield Point (lb/100 ft²)			T0 = 4	10		10
Gel Strength (lb/100 ft²)			10 sec/10 min	7/11		6/9
Gel Strength (lb/100 ft²)			30 min	14		13
HTHP Filtrate (cm/30 min)			@ 300 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				18%		15.5%
Corrected Solids (vol%)				15.8%		13.4%
Retort Oil Content				61%		63.5%
Retort Water Content				21%		21%
O/W Ratio				74:26		75:25
Whole Mud Chlorides (mg/L)				52,800		53,000
Water Phase Salinity (ppm)				282,774		283,542
Whole Mud Alkalinity, Pom				2.5		3.0
Excess Lime (lb/bbl)				3.3 ppb		3.9 ppb
Electrical Stability (volts)				459 v		485 v
Average Specific Gravity of Solids				3.25		3.24
Percent Low Gravity Solids				7.7%		6.6%
ppb Low Gravity Solids				63 ppb		54 ppb
Percent Barite				8.1%		6.8%
ppb Barite				117 ppb		98 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				C. Beasley	0	M Washburn

MUD VOLUME (BBL)

In Pits	711 bbl
In Hole	764 bbl
Active	1473 bbl
Storage	2234 bbl
Tot. on Location	3709 bbl

PUMP #1

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	70
gal/min	184

PUMP #2

Liner Size	4.75
Stroke	12
bbl/stk	0.0625
stk/min	67
gal/min	176

RISER BOOSTER

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

PHHP = 970 **CIRCULATION DATA** n = 0.692 K = 177.275

Bit Depth = 19,362 ' Washout = 0% Pump Efficiency = 95%

Drill String Disp.							
107.7 bbl	Volume to Bit	274.2 bbl	Strokes To Bit	4,389	Time To Bit	32 min
	Bottoms Up Vol.	488.2 bbl	BottomsUp Stks	7,816	BottomsUp Time	57 min
	Riser Ann. Vol.	-2.1 bbl	Riser Strokes	-34	Riser Circ. Time	0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	19,218'	0'
Dir. BHA	5.250	2.500	144'	19,218'
				19,362'
				19,362'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,482'	108'
Int. Csg.	7 5/8	6.875	10,936'	108'
Washout 1				
Washout 2				
Open Hole Size		6.750	19,389'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x4.5	108'	-435.0		11.00
6.875x4.5	10,936'	326.1	turb	11.87
6.75x4.5	19,218'	348.0	turb	12.54
6.75x5.25	19,362'	489.4	turb	12.58

BIT DATA Manuf./Type GDT64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	17,133 ft	25.0	2,256 ft	90.2

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3678.8
Transferred In(+)/Out(-)	
Oil Added (+)	90.7
Barite Added (+)	27.8
Other Product Usage (+)	7.6
Water Added (+)	25.0
Left on Cuttings (-)	-47.0
Centrifuge	-24.4
Non-Recoverable Vol. (-)	-50.0
Est. Total on Location	3708.6
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.34	59 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
158 lbs	77			

Motor/MWD	Calc. Circ. Pressure
4,730 psi	7,457 psi

Remarks/Recommendations:

Total OBM received : 3,070 bbl

Adding Lime for alkalinity, Calcium Chloride for WPS, Bentone 38 for rheology, Opti G for HTHP, OptiMul for E.S.
Sweeps consist of Magmafiber F, NewPhalt and Newcarb M. pumped every 300'.

Rig Activity:

Drilling 6-3/4" lateral hole section, samples at 18821MD are 100% AC, maintain 10.5# mud wt. Adding water and diesel for OWR adjustment, lime for alkalinity, OPTIG for HTHP control and well bore stability.Operate centrifuge as needed to control mud wt and L.G.S. Gradualy weight up 1/10 ppg every 100', starting at 18880, TD well at 19389 with 11.0#. Pumping 10 bbls LCM sweep every 300' and will pumped 3 X 30 sweeps at TD. Casing Ps 0, Gas 195, Torque 11.

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	1	1	1	0	1	1	1	1

	Daily Total	Cumulative Cost
	$8,119.75	**$86,914.22**
INCLUDING 3RD PARTY CHARGES	**$16,976.75**	**$184,766.80**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/29/21	MAGNOLIA OIL & GAS	REDWOOD B 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						33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00						40	$280.00
SAPP STICK (ea)	each	$11.25						40	$450.00
CACL2 (50)	50# sk	$14.32	392		392			112	$1,603.84
LIME (50)	50# sk	$5.00	110		55	55	$275.00	330	$1,650.00
OPTI - G	50# sk	$30.59	58		40	18	$550.62	125	$3,823.75
BENTONE 38 (50)	50# sk	$163.94	72		68	4	$655.76	16	$2,623.04
BENTONE 910 (50)	50# sk	$59.40	72		72			17	$1,009.80
BENTONE 990 (50)	50# sk	$83.59	64		64			25	$2,089.75
OPTI - MUL	gal	$10.75	55			55	$591.25	625	$6,718.75
OPTI - WET	gal	$8.34	165		110	55	$458.70	295	$2,460.30
NEW PHALT	50# sk	$38.72	143		132	11	$425.92	88	$3,407.36
OIL SORB (25)	25# sk	$4.75	60		60			72	$342.00
NEW CARB (M)	50# sk	$5.25	164		156	8	$42.00	75	$393.75
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	250		240	10	$280.50	68	$1,907.40
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				
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk		64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	1300		900	400	$2,800.00	1505	$10,535.00
OPTI DRILL (OBM)	bbl	$65.00	2814		2814			314	$20,410.00
Magnolia Owned OBM	bbl		733		733			9	
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						2224	$2,224.00
SCALE TICKET	each	$15.00						1	$15.00
TRUCKING (cwt)	each	$2.65						400	$1,060.00
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $8,119.75			**Cumulative Total $86,914.22**			**$86,914.22**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/29/21	**MAGNOLIA OIL & GAS**	**REDWOOD B 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/Redwood C 1-H	gal	$2.39						14400	$34,416.00
Diesel 07-20-2021	gal	$2.33						7200	$16,776.00
Diesel 07-21-2021	gal	$2.23						7200	$16,056.00
Diesel 07-22-2021	gal	$2.27						928	$2,106.56
Diesel 07-22-2021	gal	$2.34							
Diesel 09-24-2021	gal	$2.39	3500			3500	$8,365.00	11718	$28,006.02
Diesel 09-25-21	gal	$2.46	5200		5000	200	$492.00	200	$492.00
Diesel 09-28-21	gal	$2.48		7000	7000				

						Daily Sub-Total	**$8,857.00**	**$97,852.58**	

Cumulative Total AES & 3rd Party $184,766.80

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	9/19/21	9/20/21	9/21/21	9/22/21	9/23/21	9/24/21	9/25/21	9/26/21	9/27/21	9/28/21	9/29/21	9/30/21	10/1/21	10/2/21	10/3/21	10/4/21	10/5/21	10/6/21	10/7/21	10/8/21	10/9/21
		Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4										
	Starting Depth	3,492	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144	17,133	17,267	19,389									
	Ending Depth	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144	17,133	17,267	19,389										
15,897	Footage Drilled	1,508	5,189	747	-	-	-	867	3,341	1,989	134	2,122	-	-	-	-	-	-	-	-	-	-
1,079	New Hole Vol.	143	492	71	-	-	-	38	148	88	6	94	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,569	3,612	3,709	3,709	3,709	3,709	3,709	3,709	3,709	3,709	3,709	3,709
65	Chemical Additions	15	13	2	3			5	12	5	2	8										
949	Base Fluid Added	82	292	154	41	88		55	74	48	24	91										
104	Barite Increase		7		20					35	14	28										
3,623	Weighted Mud Added			498				3,059				66										
-	Slurry Added																					
105	Water Added							25	25	20	10	25										
-	Added for Washout																					
4,846	Total Additions	97	312	654	64	88	-	3,144	111	108	50	218	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
109	Formation Loss					109																
817	Mud Loss to Cuttings	126	217	136	38	45		74	82	49	3	47										
351	Unrecoverable Volume	20	95	25	65	45		10	22	19		50										
173	Centrifuge Losses			110				10	25		4	24										
1,450	Total Losses	146	312	271	103	199	-	94	129	68	7	121	-	-	-	-	-	-	-	-	-	-
2,259	Mud Transferred Out						2,259															
3,709	Ending System Volume	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,569	3,612	3,709	3,709	3,709	3,709	3,709	3,709	3,709	3,709	3,709	3,709	3,709
-	Mud Recovered																					

3,936

Comments:		Comments:	Comments:
9/19/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	9/26/21	10/3/21
9/20/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	9/27/21	10/4/21
9/21/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	9/28/21	10/5/21
9/22/21	Lost estimated 38bls to mud on cuttings while circulating, reaming, & fishing. Lost 65bls non-recoverable to tripping and fishing operations.	9/29/21	10/6/21
9/23/21	Lost estimated 45bls to mud on cuttings while circulating before and in between cement jobs. Lost estimated 45bls to cement interface and 109bls to formation during cement job.	9/30/21	10/7/21
9/24/21		10/1/21	10/8/21
9/25/21	3059 Transferred from Redwood C1H (2317 Newpark OBM)	10/2/21	10/9/21

09/30/21 **Report #14**

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

OUTSOURCE FLUID SOLUTIONS LLC.

13.9° **2,909' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**0 ft**	**19,389 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**0 ft/hr**	**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
8-17	**5-40**	**2-20**	**>200**	**±300K**	**<10 <15**	**<15**
				9/30/21		9/29/21
Time Sample Taken				0:30		12:00
Sample Location				pit		pit
Flowline Temperature °F						
Depth (ft)				19,389'		19,389'
Mud Weight (ppg)				11.0		11.0
Funnel Vis (sec/qt)			@ 89 °F	58		58
600 rpm				39		41
300 rpm				24		25
200 rpm				19		20
100 rpm				13		13
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	15		16
Yield Point (lb/100 ft²)			T0 = 4	9		9
Gel Strength (lb/100 ft²)			10 sec/10 min	7/10		7/10
Gel Strength (lb/100 ft^2)			30 min	13		13
HTHP Filtrate (cm/30 min)			@ 300 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				18%		18%
Corrected Solids (vol%)				15.8%		15.9%
Retort Oil Content				60.5%		60.5%
Retort Water Content				21.5%		21.5%
O/W Ratio				74:26		74:26
Whole Mud Chlorides (mg/L)				53,200		53,000
Water Phase Salinity (ppm)				279,544		278,786
Whole Mud Alkalinity, Pom				2.4		2.5
Excess Lime (lb/bbl)				3.1 ppb		3.3 ppb
Electrical Stability (volts)				455 v		448 v
Average Specific Gravity of Solids				3.24		3.27
Percent Low Gravity Solids				7.8%		7.5%
ppb Low Gravity Solids				64 ppb		62 ppb
Percent Barite				8.1%		8.4%
ppb Barite				116 ppb		120 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				C. Beasley	0	P. Blair

MUD VOLUME (BBL)

In Pits	742 bbl
In Hole	878 bbl
Active	878 bbl
Storage	2061 bbl
Tot. on Location	3681 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 = 0.700 K = 155.130

Bit Depth = 2,936 ' Washout = 0% Pump Efficiency = 95%

Drill String Disp.					
-6.5 bbl	Volume to Bit	52.1 bbl	Strokes To Bit		Time To Bit
	Bottoms Up Vol.	84.2 bbl	BottomsUp Stks		BottomsUp Time
	Riser Ann. Vol.	-1.7 bbl	Riser Strokes		Riser Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	4.000	4.276	2,936'	0'
Dir. BHA				2,936'
				2,936'
				2,936'
				2,936'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,482'	108'
Int. Csg.	7 5/8	6.875	10,936'	108'
Prod.				
Prod.				
Open Hole Size		6.750	19,389'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x4	108'	0.0		11.00
6.875x4	2,936'	0.0	lam	11.00

BIT DATA

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	17,133 ft	25.0	2,256 ft	90.2

Manuf./Type GDT64M

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3708.6
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.5
Water Added (+)	
Left on Cuttings (-)	0.0
Centrifuge	-13.2
Non-Recoverable Vol. (-)	-15.0
Est. Total on Location	3680.8
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
4,730 psi	

Remarks/Recommendations:

Total OBM received : 3,070 bbl

Adding Lime for alkalinity, Calcium Chloride for WPS, Bentone 38 for rheology, Opti G for HTHP, OptiMul for E.S.
Sweeps consist of Magmafiber F, NewPhalt and Newcarb M. pumped every 300'.

Rig Activity:

TD Redwood B 1-H @ 23:15 9-28-2021, and pumped 3-30 bbl hi-vis sweeps in tandem fashion. Backream F/19,389' T/17,460', SOOH F/17,460' T/15,800', circulate B/U and spot 90 bbl mud cap. POOH F/10,930' T/8,166', pipe pulling wet, pumped slug and continue POOH laying down BHA. Picked up 5" production casing and run to 2932'. OBM from frac tanks in transit to mud plant to make room for cement job.

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
1 1 1 1 0 1 1 1 1

	Daily Total	Cumulative Cost
	$3,164.90	**$90,079.12**
INCLUDING 3RD PARTY CHARGES	**$3,164.90**	**$187,931.70**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/30/21	MAGNOLIA OIL & GAS	REDWOOD B 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						33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00						40	$280.00
SAPP STICK (ea)	each	$11.25						40	$450.00
CACL2 (50)	50# sk	$14.32	392		392			112	$1,603.84
LIME (50)	50# sk	$5.00	55		55			330	$1,650.00
OPTI - G	50# sk	$30.59	40		40			125	$3,823.75
BENTONE 38 (50)	50# sk	$163.94	68		68			16	$2,623.04
BENTONE 910 (50)	50# sk	$59.40	72		72			17	$1,009.80
BENTONE 990 (50)	50# sk	$83.59	64		64			25	$2,089.75
OPTI - MUL	gal	$10.75						625	$6,718.75
OPTI - WET	gal	$8.34	110		110			295	$2,460.30
NEW PHALT	50# sk	$38.72	132		132			88	$3,407.36
OIL SORB (25)	25# sk	$4.75	60		60			72	$342.00
NEW CARB (M)	50# sk	$5.25	156		147	9	$47.25	84	$441.00
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	240		240			68	$1,907.40
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				
MICA F (50)	50# sk	$10.28	40		40				
GRAPHITE POWDER F (50)	50# sk		64		64				
NEW WATE (SACK BARITE)	100# sk	$11.50	80		80				
BARITE BULK (100)	100# sk	$7.00	900	401	1301			1505	$10,535.00
OPTI DRILL (OBM)	bbl	$65.00	2814		2814			314	$20,410.00
Magnolia Owned OBM	bbl		733		733			9	
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						2224	$2,224.00
SCALE TICKET	each	$15.00				1	$15.00	2	$30.00
TRUCKING (cwt)	each	$2.65				401	$1,062.65	801	$2,122.65
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $3,164.90			**Cumulative Total $90,079.12**			**$90,079.12**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
09/30/21	**MAGNOLIA OIL & GAS**	**REDWOOD B 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/Redwood C 1-H	gal	$2.39						14400	$34,416.00
Diesel 07-20-2021	gal	$2.33						7200	$16,776.00
Diesel 07-21-2021	gal	$2.23						7200	$16,056.00
Diesel 07-22-2021	gal	$2.27						928	$2,106.56
Diesel 07-22-2021	gal	$2.34							
Diesel 09-24-2021	gal	$2.39						11718	$28,006.02
Diesel 09-25-21	gal	$2.46	5000		5000			200	$492.00
Diesel 09-28-21	gal	$2.48	7200		7200				
									$97,852.58

Cumulative Total AES & 3rd Party $187,931.70

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	9/19/21	9/20/21	9/21/21	9/22/21	9/23/21	9/24/21	9/25/21	9/26/21	9/27/21	9/28/21	9/29/21	9/30/21	10/1/21	10/2/21	10/3/21	10/4/21	10/5/21	10/6/21	10/7/21	10/8/21	10/9/21
		Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4									
	Starting Depth	3,492	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144	17,133	17,267	19,389	19,389								
	Ending Depth	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144	17,133	17,267	19,389	19,389									
15,897	Footage Drilled	1,508	5,189	747	-	-	-	867	3,341	1,989	134	2,122	-	-	-	-	-	-	-	-	-	-
1,079	New Hole Vol.	143	492	71	-	-	-	38	148	88	6	94	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,569	3,612	3,709	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681
65	Chemical Additions	15	13	2	3			5	12	5	2	8										
949	Base Fluid Added	82	292	154	41	88		55	74	48	24	91										
104	Barite Increase		7		20					35	14	28										
3,623	Weighted Mud Added			498				3,059				66										
-	Slurry Added																					
105	Water Added							25	25	20	10	25										
-	Added for Washout																					
4,846	Total Additions	97	312	654	64	88	-	3,144	111	108	50	218	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
109	Formation Loss					109																
817	Mud Loss to Cuttings	126	217	136	38	45		74	82	49	3	47										
366	Unrecoverable Volume	20	95	25	65	45		10	22	19		50	15									
186	Centrifuge Losses			110				10	25		4	24	13									
1,478	Total Losses	146	312	271	103	199	-	94	129	68	7	121	28	-	-	-	-	-	-	-	-	-
2,259	Mud Transferred Out						2,259															
3,681	Ending System Volume	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,569	3,612	3,709	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681
-	Mud Recovered																					

3,936

Comments:		Comments:		Comments:	
9/19/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	9/26/21		10/3/21	
9/20/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	9/27/21		10/4/21	
9/21/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	9/28/21		10/5/21	
9/22/21	Lost estimated 38bls to mud on cuttings while circulating, reaming, & fishing. Lost 65bls non-recoverable to tripping and fishing operations.	9/29/21	OBM being sent to mud plant, volumes will be updated tomorrow.	10/6/21	
9/23/21	Lost estimated 45bls to mud on cuttings while circulating before and in between cement jobs. Lost estimated 45bls to cement interface and 109bls to formation during cement job.	9/30/21		10/7/21	
9/24/21		10/1/21		10/8/21	
9/25/21	3059 Transferred from Redwood C1H (2317 Newpark OBM)	10/2/21		10/9/21	

10/02/21 **Report #16**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/17/21**	**0 ft**	**19,389 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
REDWOOD B 1H	**248**	**TEXAS**	**07/17/21**	**0 ft/hr**	**Rig Down**
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
8-17	**5-40**	**2-20**	**>200**	**±300K**	**<10 <15**	**<15**
				11/1/21		10/1/21
Time Sample Taken						
Sample Location				no fluid		no fluid
Flowline Temperature °F						
Depth (ft)						
Mud Weight (ppg)						
Funnel Vis (sec/qt)			@ 0 °F			
600 rpm						
300 rpm						
200 rpm						
100 rpm						
6 rpm						
3 rpm						
Plastic Viscosity (cp)			@ 150 °F			
Yield Point (lb/100 ft²)			T0 =			
Gel Strength (lb/100 ft²)			10 sec/10 min			
Gel Strength (lb/100 ft^2)			30 min			
HTHP Filtrate (cm/30 min)			@ 300 °F			
HTHP Cake Thickness (32nds)						
Retort Solids Content						
Corrected Solids (vol%)						
Retort Oil Content						
Retort Water Content						
O/W Ratio						
Whole Mud Chlorides (mg/L)						
Water Phase Salinity (ppm)						
Whole Mud Alkalinity, Pom						
Excess Lime (lb/bbl)						
Electrical Stability (volts)						
Average Specific Gravity of Solids						
Percent Low Gravity Solids						
ppb Low Gravity Solids						
Percent Barite						
ppb Barite						
Estimated Total LCM in System			ppb			
Sample Taken By				C. Beasley	0	P. Blair

MUD VOLUME (BBL)

In Pits	0 bbl
In Hole	0 bbl
Active	0 bbl
Storage	1302 bbl
Tot. on Location	1302 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

PHHP = 0

CIRCULATION DATA

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.	0.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing			0'	0'
Dir. BHA				0'
				0'
				0'
				0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20			
Surface	10 3/4	9.950		0'
Int. Csg.	7 5/8	6.875		0'
Prod.	5 1/2	4.768	9,292'	0'
Prod.	5	4.276	19,380'	9,292'
Open Hole Size		0.000	19,389'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type GDT64M

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

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2350.0
Transferred In(+)/Out(-)	-1071.8
Oil Added (+)	23.8
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Centrifuge	
Non-Recoverable Vol. (-)	
Est. Total on Location	1302.0
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Remarks/Recommendations:

Rig Activity:

Nippled down BOP. Transferred pallet chemicals and OBM to new location. Returned OBM, empty pallets and drums to mud plant. All inventories to be reconciled when complete. Laying down DP. R/D and preparing to move rig. OBM in transit and will be reconciled asap.

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 2 2 0 2 1 1 1 1

	Daily Total	Cumulative Cost
	$2,490.00	**$96,016.12**
INCLUDING 3RD PARTY CHARGES	**$4,970.00**	**$209,144.70**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/02/21	MAGNOLIA OIL & GAS	REDWOOD B 1H	248	Report #16

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56						33	$1,470.48
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							
SOAP STICKS (ea)	each	$7.00						40	$280.00
SAPP STICK (ea)	each	$11.25						40	$450.00
CACL2 (50)	50# sk	$14.32	392	-392				112	$1,603.84
LIME (50)	50# sk	$5.00	55	-55				330	$1,650.00
OPTI - G	50# sk	$30.59	40	-40				125	$3,823.75
BENTONE 38 (50)	50# sk	$163.94	68	-68				16	$2,623.04
BENTONE 910 (50)	50# sk	$59.40	72	-72				17	$1,009.80
BENTONE 990 (50)	50# sk	$83.59	64	-64				25	$2,089.75
OPTI - MUL	gal	$10.75						625	$6,718.75
OPTI - WET	gal	$8.34	110	-110				295	$2,460.30
NEW PHALT	50# sk	$38.72	132	-132				88	$3,407.36
OIL SORB (25)	25# sk	$4.75	60	-60				72	$342.00
NEW CARB (M)	50# sk	$5.25	147	-147				84	$441.00
CYBERSEAL	25# sk	$21.47							
MAGMAFIBER F (25)	25# sk	$28.05	240	-240				68	$1,907.40
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					
MICA F (50)	50# sk	$10.28	40	-40					
GRAPHITE POWDER F (50)	50# sk		64	-64					
NEW WATE (SACK BARITE)	100# sk	$11.50	80	-80					
BARITE BULK (100)	100# sk	$7.00	1100	-1100				1706	$11,942.00
OPTI DRILL (OBM)	bbl	$65.00	2814		2814			314	$20,410.00
Magnolia Owned OBM	bbl		733		733			9	
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	28	$27,720.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	28	$840.00
ENGINEERING (MILES)	each	$1.00				450	$450.00	2674	$2,674.00
SCALE TICKET	each	$15.00						2	$30.00
TRUCKING (cwt)	each	$2.65						801	$2,122.65
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							
		Daily Sub-Total $2,490.00			**Cumulative Total $96,016.12**			**$96,016.12**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/02/21	**MAGNOLIA OIL & GAS**	**REDWOOD B 1H**	**248**	**Report #16**

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer F/Redwood C 1-H	gal	$2.39						14400	$34,416.00
Diesel 07-20-2021	gal	$2.33						7200	$16,776.00
Diesel 07-21-2021	gal	$2.23						7200	$16,056.00
Diesel 07-22-2021	gal	$2.27						928	$2,106.56
Diesel 07-22-2021	gal	$2.34							
Diesel 09-24-2021	gal	$2.39						11718	$28,006.02
Diesel 09-25-21	gal	$2.46						5200	$12,792.00
Diesel 09-28-21	gal	$2.48	7000	-6000		1000	$2,480.00	1200	$2,976.00

Daily Sub-Total $2,480.00

$113,128.58

Cumulative Total AES & 3rd Party $209,144.70

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

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

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	9/19/21	9/20/21	9/21/21	9/22/21	9/23/21	9/24/21	9/25/21	9/26/21	9/27/21	9/28/21	9/29/21	9/30/21	10/1/21	10/2/21	10/3/21	10/4/21	10/5/21	10/6/21	10/7/21	10/8/21	10/9/21
		Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4								
	Starting Depth	3,492	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144	17,133	17,267	19,389	19,389	19,389							
	Ending Depth	5,000	10,189	10,936	10,936	10,936	10,936	11,803	15,144	17,133	17,267	19,389	19,389	19,389								
15,897	Footage Drilled	1,508	5,189	747	-	-	-	867	3,341	1,989	134	2,122	-	-	-	-	-	-	-	-	-	-
1,079	New Hole Vol.	143	492	71	-	-	-	38	148	88	6	94	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,572	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,569	3,612	3,709	3,681	2,350	2,350	2,350	2,350	2,350	2,350	2,350	2,350
65	Chemical Additions	15	13	2	3			5	12	5	2	8										
1,073	Base Fluid Added	82	292	154	41	88		55	74	48	24	91		124								
118	Barite Increase		7		20					35	14	28		14								
3,623	Weighted Mud Added			498				3,059				66										
-	Slurry Added																					
105	Water Added							25	25	20	10	25										
-	Added for Washout																					
4,984	Total Additions	97	312	654	64	88	-	3,144	111	108	50	218	-	138	-	-	-	-	-	-	-	-
-	Surface Losses																					
109	Formation Loss					109																
817	Mud Loss to Cuttings	126	217	136	38	45		74	82	49	3	47										
391	Unrecoverable Volume	20	95	25	65	45		10	22	19		50	15	25								
206	Centrifuge Losses			110				10	25		4	24	13	20								
1,523	Total Losses	146	312	271	103	199	-	94	129	68	7	121	28	45	-	-	-	-	-	-	-	-
3,683	Mud Transferred Out						2,259							1,424								
2,350	Ending System Volume	2,523	2,523	2,906	2,867	2,756	497	3,547	3,529	3,569	3,612	3,709	3,681	2,350	2,350	2,350	2,350	2,350	2,350	2,350	2,350	2,350
-	Mud Recovered																					

2,512

Comments:		Comments:		Comments:	
9/19/21	Starting volume 2,572 bbl were transfer over from Redwood C 1H , Lost 126 bbl on cutting, 20 non recoverable loses	9/26/21		10/3/21	
9/20/21	Lost estimated 217 bbl of cuttings/retention additional 95 bbl non recoverable fluid	9/27/21		10/4/21	
9/21/21	Lost estimated 136bbl to cuttings/retention, 110 to centrifuge, and an additional 25 bbl non recoverable fluid.	9/28/21		10/5/21	
9/22/21	Lost estimated 38bls to mud on cuttings while circulating, reaming, & fishing. Lost 65bls non-recoverable to tripping and fishing operations.	9/29/21	OBM being sent to mud plant, volumes will be updated tomorrow.	10/6/21	
9/23/21	Lost estimated 45bls to mud on cuttings while circulating before and in between cement jobs. Lost estimated 45bls to cement interface and 109bls to formation during cement job.	9/30/21		10/7/21	
9/24/21		10/1/21		10/8/21	
9/25/21	3059 Transferred from Redwood C1H (2317 Newpark OBM)	10/2/21		10/9/21	