10/08/21 **Report #1**

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

OUTSOURCE FLUID SOLUTIONS LLC.

8.7° **2,988' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**10/07/21**	**3,024 ft**	**3,025 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**0 ft/hr**	**POOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt/Chris Mayeux	**Tool Pusher**	**GIDDINGS**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
				10/7/21		
Time Sample Taken				22:30		
Sample Location				PIT		
Flowline Temperature °F				96 °F		
Depth (ft)				2,185'		
Mud Weight (ppg)				8.9		
Funnel Vis (sec/qt)			@ 88 °F	29		
600 rpm				5		
300 rpm				3		
200 rpm				2		
100 rpm				1		
6 rpm				1		
3 rpm				1		
Plastic Viscosity (cp)			@ 120 °F	2		
Yield Point (lb/100 ft²)			T0 = 1	1		
Gel Strength (lb/100 ft²)			10 sec/10 min	1/1		
Gel Strength (lb/100 ft^2)			30 min	1		
API Filtrate / Cake Thickness				14/1		
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				4.2%		
Retort Oil Content						
Retort Water Content				95.8%		
Sand Content				0.2%		
M.B.T. (Methylene Blue Capacity) (ppb)				5.0		
pH				7.0		
Alkalinity, Mud Pm				0.1		
Alkalinities, Filtrate Pf/Mf				0.1/0.2		
Chlorides (mg/L)				700		
Calcium (ppm)				280		
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				4.1%		
Percent Drill Solids				4.1%		
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly		

MUD VOLUME (BBL)

In Pits	610 bbl
In Hole	541 bbl
Active	1146 bbl
Storage	2419 bbl
Tot. on Location	3570 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

PHHP = 0 **CIRCULATION DATA** n = 0.737 K = 15.441

Bit Depth = 3,000 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.				
28.1 bbl	Volume to Bit	50.9 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	485.5 bbl	BottomsUp Stks	BottomsUp Time
	Riser Ann. Vol.	-2.6 bbl	Riser Strokes	Riser Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	2,547'	0'
Hevi Wt	5.500	3.800	330'	2,547'
Other Pipe	7.875	3.250	85'	2,877'
Dir. BHA	8.000	2.000	38'	2,962'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface				108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	14.175		3,025'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	0.0		8.90
14.175x5	2,547'	0.0	lam	8.90
14.175x5.5	2,877'	0.0	lam	8.90
14.175x7.875	2,962'	0.0	lam	8.90
14.175x8	3,000'	0.0	lam	8.90

BIT DATA Manuf./Type ULTERRA / PDC

Size	Depth In	Hours	Footage	ROP ft/hr
13 1/2	1 ft	6.0	3,025 ft	504.2

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	0.0
Transferred In(+)/Out(-)	2419.0
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	2.3
Water Added (+)	1739.2
Left on Cuttings (-)	-590.3
Sand Trap Discharge	
Est. Total on Location	3570.2
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Motor/MWD	Calc. Circ. Pressure

Remarks/Recommendations:

OBM RECEIVED: 2419 bbls

Pretreated acitve system with 10sx SAPP & 50gal Detergent.

Sweeps: 2sx SAPP & 10 gal detergent per 100bls.

Rig Activity:

Finish skidding rig and rig service. Pick up BHA. Drill from 100' to 3,025'TD. Pumped 30bls soap/sapp sweeps every connection, added soap/sapp sticks down drill pipe every connection, and pumped 100bls soap/sapp sweeps every 1000'. Dumped sand trap and diluted active system with freshwater as needed to control MW. Stopped adding SAPP at 2,600' and let weight creep up to 9.1-9.2ppg by TD. Pumped 2 tandem hi-vis sweeps at TD and circulated clean. POOH to run casing at report time.

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

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

	Daily Total	Cumulative Cost
	$3,445.20	**$3,445.20**
INCLUDING 3RD PARTY CHARGES	**$3,445.20**	**$3,445.20**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/08/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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	$46.84		126	96	30	$1,405.20	30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36		29	29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32		392	392				
LIME (50)	50# sk	$5.88		255	255				
OPTI - G	50# sk	$32.44		120	120				
BENTONE 38 (50)	50# sk	$152.93		68	68				
BENTONE 910 (50)	50# sk	$55.55		72	72				
BENTONE 990 (50)	50# sk	$88.61		64	64				
OPTI - MUL	gal	$11.40		440	440				
OPTI - WET	gal	$8.84		550	550				
NEW PHALT	50# sk	$38.72		172	172				
OIL SORB (25)	25# sk	$4.75		60	60				
NEW CARB (M)	50# sk	$5.63		147	147				
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05		240	240				
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51		40	40				
NEW WATE (SACK BARITE)	100# sk	$10.73		80	80				
BARITE BULK (100)	100# sk	$8.17		840	840				
OPTI DRILL (OBM)	bbl	$75.00		1801	1801				
MAGNOLIA OWNDED OBM	bbl			618	618				
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	$2.48							
TRUCKING (min)	each	$812.50							
PALLETS (ea)	each	$12.50							
SHRINK WRAP (ea)	each	$12.50							
		Daily Sub-Total $3,445.20			**Cumulative Total $3,445.20**			**$3,445.20**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/08/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	248	Report #1

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

Cumulative Total AES & 3rd Party $3,445.20

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PEAK H04 BH

		WEEK 1							WEEK 2							WEEK 3						
	Date	10/8/21	10/9/21	10/10/21	10/11/21	10/12/21	10/13/21	10/14/21	10/15/21	10/16/21	10/17/21	10/18/21	10/19/21	10/20/21	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21	10/26/21	10/27/21	10/28/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size																					
Grand Totals	Starting Depth																					
	Ending Depth																					
-	Footage Drilled	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	New Hole Vol.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Chemical Additions																					
-	Base Fluid Added																					
-	Barite Increase																					
-	Weighted Mud Added																					
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
-	Total Additions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
-	Mud Loss to Cuttings																					
-	Unrecoverable Volume																					
-	Centrifuge Losses																					
-	Total Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
-	Ending System Volume	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Recovered																					

Comments:	Comments:	Comments:
10/8/21	10/15/21	10/22/21
10/9/21	10/16/21	10/23/21
10/10/21	10/17/21	10/24/21
10/11/21	10/18/21	10/25/21
10/12/21	10/19/21	10/26/21
10/13/21	10/20/21	10/27/21
10/14/21	10/21/21	10/28/21

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10/09/21 **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**	**10/07/21**	**0 ft**	**3,025 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**0 ft/hr**	**Skid Rig**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt/Chris Mayeux	**Tool Pusher**	**GIDDINGS**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
				10/8/21		
Time Sample Taken				12:00		
Sample Location				PIT		
Flowline Temperature °F						
Depth (ft)				3,025'		
Mud Weight (ppg)				9.2		
Funnel Vis (sec/qt)			@ 88 °F	36		
600 rpm				5		
300 rpm				3		
200 rpm				2		
100 rpm				1		
6 rpm				1		
3 rpm				1		
Plastic Viscosity (cp)			@ 120 °F	2		
Yield Point (lb/100 ft²)			T0 = 1	1		
Gel Strength (lb/100 ft²)			10 sec/10 min	1/1		
Gel Strength (lb/100 ft^2)			30 min	1		
API Filtrate / Cake Thickness				14/1		
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				6.4%		
Retort Oil Content						
Retort Water Content				93.6%		
Sand Content				0.3%		
M.B.T. (Methylene Blue Capacity) (ppb)				5.0		
pH				7.0		
Alkalinity, Mud Pm				0.1		
Alkalinities, Filtrate Pf/Mf				0.1/0.2		
Chlorides (mg/L)				700		
Calcium (ppm)				280		
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				6.3%		
Percent Drill Solids				6.3%		
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				P. Blair		

MUD VOLUME (BBL)

In Pits	0 bbl
In Hole	279 bbl
Active	0 bbl
Storage	0 bbl
Tot. on Location	279 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

PHHP = 0 **CIRCULATION DATA** n = 0.737 K = 15.441

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'
Other Pipe				0'
Dir. BHA				0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,014'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	0.000		3,025'	

ANNULAR GEOMETRY & RHEOLOGY

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

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	6.0
Shaker 2	140	6.0
Shaker 3	140	6.0
Desander		
Desilter		
Centrifuge 1		6.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3570.2
Transferred In(+)/Out(-)	-2151.0
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Sand Trap Discharge	-1139.7
Est. Total on Location	279.5
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

BIT DATA Manuf./Type ULTERRA / PDC

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

Remarks/Recommendations:

OBM RECEIVED: 2419 bbls

Transfer 2140bls OBM to the HO6 leaving 279bls in casing on HO4.

Rig Activity:

Completed POOH T/surface, racking back HWDP. R/U casing crew, M/U shoe track and test. Ran 10.75" surface casing T/3,014'. Circulate 1.5 times casing capacity, L/D CRT, back out landing joint. R/D casing equipment, R/U offline cement equipment while skidding rig to the Bighorn Pass H06 BH. Pumped cement, bumping plug with 9.0 ppg. OBM, ~109 bbls cement back to surface and diverted to open top for disposal at pm report time.

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

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

Daily Total	Cumulative Cost
$0.00	**$3,445.20**
INCLUDING 3RD PARTY CHARGES	**$0.00**	**$3,445.20**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/09/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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	$46.84	96	-96				30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36	29	-29					
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32	392	-392					
LIME (50)	50# sk	$5.88	255	-255					
OPTI - G	50# sk	$32.44	120	-120					
BENTONE 38 (50)	50# sk	$152.93	68	-68					
BENTONE 910 (50)	50# sk	$55.55	72	-72					
BENTONE 990 (50)	50# sk	$88.61	64	-64					
OPTI - MUL	gal	$11.40	440	-440					
OPTI - WET	gal	$8.84	550	-550					
NEW PHALT	50# sk	$38.72	172	-172					
OIL SORB (25)	25# sk	$4.75	60	-60					
NEW CARB (M)	50# sk	$5.63	147	-147					
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05	240	-240					
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	40	-40					
NEW WATE (SACK BARITE)	100# sk	$10.73	80	-80					
BARITE BULK (100)	100# sk	$8.17	840	-840					
OPTI DRILL (OBM)	bbl	$75.00	1801	-1522	279				
MAGNOLIA OWNDED OBM	bbl		618	-618					
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00						2	$1,980.00
ENGINEERING (DIEM)	bbl	$30.00						2	$60.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.48							
TRUCKING (min)	each	$812.50							
PALLETS (ea)	each	$12.50							
SHRINK WRAP (ea)	each	$12.50							
					Cumulative Total	$3,445.20			$3,445.20

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/09/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	248	Report #2

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

Cumulative Total AES & 3rd Party $3,445.20

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PEAK H04 BH

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	10/8/21	10/9/21	10/10/21	10/11/21	10/12/21	10/13/21	10/14/21	10/15/21	10/16/21	10/17/21	10/18/21	10/19/21	10/20/21	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21	10/26/21	10/27/21	10/28/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	13 1/2	13 1/2																			
	Starting Depth																					
	Ending Depth																					
-	Footage Drilled	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	New Hole Vol.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume		2,419	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279
-	Chemical Additions																					
-	Base Fluid Added																					
-	Barite Increase																					
2,419	Weighted Mud Added	2,419																				
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
2,419	Total Additions	2,419	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
-	Mud Loss to Cuttings																					
-	Unrecoverable Volume																					
-	Centrifuge Losses																					
-	Total Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,140	Mud Transferred Out		2,140																			
279	Ending System Volume	2,419	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279
-	Mud Recovered																					

279

Comments:		Comments:	Comments:
10/8/21	Transferred 2,419bls from the HO2 to the HO4.	10/15/21	10/22/21
10/9/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	10/16/21	10/23/21
10/10/21		10/17/21	10/24/21
10/11/21		10/18/21	10/25/21
10/12/21		10/19/21	10/26/21
10/13/21		10/20/21	10/27/21
10/14/21		10/21/21	10/28/21

10/14/21 **Report #3**

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

OUTSOURCE FLUID SOLUTIONS LLC.

8.7° **3,022' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**10/07/21**	**10 ft**	**3,100 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**401 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Brandon Parks	**Tool Pusher**	**GIDDINGS**	**OBM**	**561 gpm**	**2,052 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
15-17	**20-40**	**8-20**	**>500**	**±275K**	**<10 <15**	**<6**
				10/14/21		10/13/21
Time Sample Taken				0:30		10:30
Sample Location				pit		pit
Flowline Temperature °F				108 °F		
Depth (ft)				3,035'		3,025'
Mud Weight (ppg)				9.0		8.8
Funnel Vis (sec/qt)			@ 98 °F	50		51
600 rpm				24		29
300 rpm				16		19
200 rpm				13		14
100 rpm				8		11
6 rpm				5		5
3 rpm				4		4
Plastic Viscosity (cp)			@ 150 °F	8		10
Yield Point (lb/100 ft²)			T0 = 3	8		9
Gel Strength (lb/100 ft²)			10 sec/10 min	4/5		4/8
Gel Strength (lb/100 ft^2)			30 min	7		12
HTHP Filtrate (cm/30 min)			@ 300 °F	7.6		10.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				9.5%		9%
Corrected Solids (vol%)				6.8%		6.5%
Retort Oil Content				61.5%		65%
Retort Water Content				29%		26%
O/W Ratio				68:32		71:29
Whole Mud Chlorides (mg/L)				68,000		62,000
Water Phase Salinity (ppm)				268,839		272,160
Whole Mud Alkalinity, Pom				1.6		2.2
Excess Lime (lb/bbl)				2.1 ppb		2.9 ppb
Electrical Stability (volts)				340 v		310 v
Average Specific Gravity of Solids				2.68		2.58
Percent Low Gravity Solids				5.5%		5.7%
ppb Low Gravity Solids				45 ppb		47 ppb
Percent Barite				1.3%		0.8%
ppb Barite				18 ppb		12 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly	0	M. Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	587 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
In Hole	257 bbl	Stroke	12	Stroke	12	Stroke	
Active	837 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Storage	1820 bbl	stk/min	87	stk/min	88	stk/min	
Tot. on Location	2664 bbl	gal/min	279	gal/min	282	gal/min	0

PHHP = 671 **CIRCULATION DATA** n = 0.585 K = 212.503

Bit Depth = 3,035 ' Washout = 5% Pump Efficiency = 95%

Drill String Disp.							
31.3 bbl	Volume to Bit	49.8 bbl	Strokes To Bit	653	Time To Bit	4 min
	Bottoms Up Vol.	200.5 bbl	BottomsUp Stks	2,627	BottomsUp Time	15 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	2,396'	0'
Hevi Wt	5.000	3.800	338'	2,396'
Collars	6.500	2.750	186'	2,734'
Collars	8.000	3.250	115'	2,920'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,014'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	10.369	3,100'		

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	-549.9		9.52
9.95x5	2,396'	185.8	lam	9.71
9.95x5	2,734'	185.8	lam	10.18
9.95x6.5	2,920'	242.2	turb	10.66
9.95x8	3,014'	392.7	turb	11.17
10.369x8	3,035'	315.9	turb	11.69

BIT DATA Manuf./Type ULTERRA / PDC

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	3,025 ft	1.0	75 ft	75.0	1,548 psi	2,052 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	7.0
Shaker 2	140	7.0
Shaker 3	140	7.0
Desander		
Desilter		
Centrifuge 1		12.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	279.5
Transferred In(+)/Out(-)	2362.0
Oil Added (+)	74.0
Barite Added (+)	0.0
Other Product Usage (+)	10.0
Water Added (+)	
Left on Cuttings (-)	-1.6
Non-Recoverable Vol. (-)	
Centrifuge	-59.8
Est. Total on Location	2664.1
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.50	117 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
316 lbs	121			

Remarks/Recommendations:

OBM RECEIVED: 2641 bbls

Transfer 2362bls OBM from the HO6 to HO4 leaving 444bls in casing on HO6.
Cut MW back from 9.8ppg to desired drill out weight of 8.8ppg with centrifuge and diesel addtions.
Pretreat Active with Lime, Opti G, Bentone 910/990, Mul, & WA prior to drill out.
Increased water phase due to incidental water incorporation from surface cement job, line flushing, and BOP test.

Rig Activity:

Skid rig from H06 to H04. Nipple up, test, & service rig. P/U BHA #2 and TIH. Tag cement at 2,933'. Drill out shoe track, float equipment, and 10' of new formation. Perform FIT to 11.6ppg EMW. Drilling ahead at 3,100' at report time. Maintaining MW 8.8-9.0ppg with centrifuge and diesel additions. ROP 401'/hr. MWD Temp 113 F.

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

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

	Daily Total	Cumulative Cost
	$6,157.13	**$9,602.33**
INCLUDING 3RD PARTY CHARGES	**$14,101.97**	**$17,547.17**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/14/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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	$46.84		42	42			30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36		29	29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32		476	476				
LIME (50)	50# sk	$5.88		175	125	50	$294.00	50	$294.00
OPTI - G	50# sk	$32.44		220	168	52	$1,686.88	52	$1,686.88
BENTONE 38 (50)	50# sk	$152.93		68	68				
BENTONE 910 (50)	50# sk	$55.55		53	48	5	$277.75	5	$277.75
BENTONE 990 (50)	50# sk	$88.61		80	70	10	$886.10	10	$886.10
OPTI - MUL	gal	$11.40		495	495				
OPTI - WET	gal	$8.84		330	220	110	$972.40	110	$972.40
NEW PHALT	50# sk	$38.72		168	168				
OIL SORB (25)	25# sk	$4.75		47	47				
NEW CARB (M)	50# sk	$5.63		147	147				
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05		240	240				
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51		64	64				
MICA F (50)	50# sk	$10.38		40	40				
GRAPHITE - FINE (50)	50# sk	$25.59		64	64				
NEW WATE (SACK BARITE)	100# sk	$10.73		80	80				
BARITE BULK (100)	100# sk	$8.17		1350	1350				
OPTI DRILL (OBM)	bbl	$75.00	279	2027	2306				
MAGNOLIA OWNDED OBM	bbl			335	335				
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	$2.48							
TRUCKING (min)	each	$812.50							
PALLETS (ea)	each	$12.50							
SHRINK WRAP (ea)	each	$12.50							

Daily Sub-Total $6,157.13	Cumulative Total $9,602.33	$9,602.33

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/14/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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 Received 10-5-21	gal	$2.63		1172		1172	$3,082.36		1172	$3,082.36
Diesel Received 10-11-21	gal	$2.66		3200	1372	1828	$4,862.48		1828	$4,862.48
Diesel Received 10-11-21	gal	$2.66		7200	7200					
Diesel Received 10-12-21	gal	$2.72		2500	2500					
					Daily Sub-Total	$7,944.84			$7,944.84	

Cumulative Total AES & 3rd Party $17,547.17

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PEAK H04 BH

		WEEK 1							WEEK 2							WEEK 3						
	Date	10/8/21	10/9/21	10/10/21	10/11/21	10/12/21	10/13/21	10/14/21	10/15/21	10/16/21	10/17/21	10/18/21	10/19/21	10/20/21	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21	10/26/21	10/27/21	10/28/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	9 7/8														
Grand Totals	Starting Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,025	3,100													
	Ending Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,100														
75	Footage Drilled	-	-	-	-	-	-	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	New Hole Vol.	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume		2,419	279	279	279	279	279	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664
10	Chemical Additions							10														
74	Base Fluid Added							74														
-	Barite Increase																					
4,781	Weighted Mud Added	2,419						2,362														
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
4,865	Total Additions	2,419	-	-	-	-	-	2,446	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
2	Mud Loss to Cuttings							2														
-	Unrecoverable Volume																					
59	Centrifuge Losses							59														
61	Total Losses	-	-	-	-	-	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,140	Mud Transferred Out		2,140																			
2,664	Ending System Volume	2,419	279	279	279	279	279	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664
-	Mud Recovered																					

2,641

Comments:		Comments:	Comments:
10/8/21	Transferred 2,419bls from the HO2 to the HO4.	10/15/21	10/22/21
10/9/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	10/16/21	10/23/21
10/10/21		10/17/21	10/24/21
10/11/21		10/18/21	10/25/21
10/12/21		10/19/21	10/26/21
10/13/21		10/20/21	10/27/21
10/14/21	Lost 2bls to mud on cuttings and 59bls to centrifuge while cutting MW back to 8.8ppg for drill out.	10/21/21	10/28/21

10/15/21 **Report #4**

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

OUTSOURCE FLUID SOLUTIONS LLC.

2.3° **8,258' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**10/07/21**	**5,242 ft**	**8,342 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**330 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Brandon Parks	**Tool Pusher**	**GIDDINGS**	**OBM**	**705 gpm**	**4,050 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
15-17	**20-40**	**8-20**	**>500**	**±275K**	**<10 <15**	**<6**
				10/15/21		10/14/21
Time Sample Taken				0:30		13:30
Sample Location				pit		pit
Flowline Temperature °F				152 °F		130 °F
Depth (ft)				8,086'		6,771'
Mud Weight (ppg)				9.5		9.2
Funnel Vis (sec/qt)			@ 140 °F	43		59
600 rpm				34		37
300 rpm				22		24
200 rpm				19		20
100 rpm				13		14
6 rpm				6		7
3 rpm				5		6
Plastic Viscosity (cp)			@ 150 °F	12		13
Yield Point (lb/100 ft²)			T0 = 4	10		11
Gel Strength (lb/100 ft²)			10 sec/10 min	6/7		7/8
Gel Strength (lb/100 ft^2)			30 min	8		12
HTHP Filtrate (cm/30 min)			@ 300 °F	9.2		7.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				12%		10.5%
Corrected Solids (vol%)				9.5%		8.1%
Retort Oil Content				61%		60.5%
Retort Water Content				27%		29%
O/W Ratio				69:31		68:32
Whole Mud Chlorides (mg/L)				62,000		62,000
Water Phase Salinity (ppm)				264,748		251,074
Whole Mud Alkalinity, Pom				2.9		2.2
Excess Lime (lb/bbl)				3.8 ppb		2.9 ppb
Electrical Stability (volts)				451 v		315 v
Average Specific Gravity of Solids				2.89		2.76
Percent Low Gravity Solids				6.6%		6.2%
ppb Low Gravity Solids				54 ppb		51 ppb
Percent Barite				2.9%		1.9%
ppb Barite				42 ppb		27 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly	0	M. Washburn

MUD VOLUME (BBL)

In Pits	500 bbl
In Hole	770 bbl
Active	1270 bbl
Storage	1300 bbl
Tot. on Location	2570 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	110
gal/min	353

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	110
gal/min	353

RISER BOOSTER

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

PHHP = 1666 **CIRCULATION DATA** n = 0.628 K = 223.367

Bit Depth = 8,342 ' Washout = 5% Pump Efficiency = 95%

Drill String Disp.							
66.0 bbl	Volume to Bit	144.1 bbl	Strokes To Bit	1,888	Time To Bit	9 min
	Bottoms Up Vol.	625.9 bbl	BottomsUp Stks	8,202	BottomsUp Time	37 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	7,703'	0'
Hevi Wt	5.000	3.800	338'	7,703'
Collars	6.500	2.750	186'	8,041'
Collars	8.000	3.250	115'	8,227'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,014'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	10.369	8,342'		

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	-691.3		9.83
9.95x5	3,014'	233.5	lam	10.04
10.369x5	7,703'	209.4	lam	10.16
10.369x5	8,041'	209.4	lam	10.48
10.369x6.5	8,227'	264.8	turb	10.80
10.369x8	8,342'	397.1	turb	11.13

BIT DATA Manuf./Type ULTERRA / PDC

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	3,025 ft	22.0	5,317 ft	241.7

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	24.0
Shaker 2	140	24.0
Shaker 3	140	24.0
Desander		
Desilter		
Centrifuge 1		5.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2663.7
Transferred In(+)/Out(-)	
Oil Added (+)	230.5
Barite Added (+)	17.4
Other Product Usage (+)	13.1
Water Added (+)	
Left on Cuttings (-)	-328.5
Non-Recoverable Vol. (-)	
Centrifuge	-26.2
Est. Total on Location	2570.0
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.05	196 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
526 lbs	152			

Motor/MWD	Calc. Circ. Pressure
2,545 psi	4,050 psi

Remarks/Recommendations:

TOTAL OBM RECEIVED: 2641 bbls

Plan Forward: TD intermediate interval and POOH.

Increasing mud weight 0.2ppg every 1000' starting at 6,400' to a desired 9.8ppg at TD.
Treating active with maintenance amounts of Lime, Opti G, Bentone 910/990, Mul, CaCl, & WA.

Pumping 10bls hi-vis sweeps every 300'.

Rig Activity:

Drill ahead from 3,100' to 8,342'. Weigh up to 9.2ppg by 6,400' (Midway), 9.4ppg by 7,400' (Navarro), and currently weighing up to achieve 9.6ppg by 8,800' (Pecan Gap). Adding diesel to maintain MW, control LGS, and for oil wetting of solids. Drilling ahead at report time. ROP 330'/hr. MWD Temp 208 F.

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

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

	Daily Total	Cumulative Cost
	$18,687.72	**$28,290.05**
INCLUDING 3RD PARTY CHARGES	**$42,109.40**	**$59,656.57**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/15/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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	$46.84	42		42			30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32	476		448	28	$400.96	28	$400.96
LIME (50)	50# sk	$5.88	125	400	425	100	$588.00	150	$882.00
OPTI - G	50# sk	$32.44	168		140	28	$908.32	80	$2,595.20
BENTONE 38 (50)	50# sk	$152.93	68		68				
BENTONE 910 (50)	50# sk	$55.55	48		48			5	$277.75
BENTONE 990 (50)	50# sk	$88.61	70		46	24	$2,126.64	34	$3,012.74
OPTI - MUL	gal	$11.40	495	440	275	660	$7,524.00	660	$7,524.00
OPTI - WET	gal	$8.84	220	440	440	220	$1,944.80	330	$2,917.20
NEW PHALT	50# sk	$38.72	168		168				
OIL SORB (25)	25# sk	$4.75	47		47				
NEW CARB (M)	50# sk	$5.63	147		147				
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05	240		240				
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	64		64				
MICA F (50)	50# sk	$10.38	40		40				
GRAPHITE - FINE (50)	50# sk	$25.59	64		64				
NEW WATE (SACK BARITE)	100# sk	$10.73	80		80				
BARITE BULK (100)	100# sk	$8.17	1350		1100	250	$2,042.50	250	$2,042.50
OPTI DRILL (OBM)	bbl	$75.00	2306		2306				
MAGNOLIA OWNDED OBM	bbl		335		335				
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	$2.48							
TRUCKING (min)	each	$812.50				1	$812.50	1	$812.50
PALLETS (ea)	each	$12.50				16	$200.00	16	$200.00
SHRINK WRAP (ea)	each	$12.50				8	$100.00	8	$100.00

Daily Sub-Total $18,687.72	Cumulative Total $28,290.05	$28,290.05

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/15/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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 Received 10-5-21	gal	$2.63						1172	$3,082.36
Diesel Received 10-11-21	gal	$2.66	1372			1372	$3,649.52	3200	$8,512.00
Diesel Received 10-11-21	gal	$2.66	7200			7200	$19,152.00	7200	$19,152.00
Diesel Received 10-12-21	gal	$2.72	2500		2272	228	$620.16	228	$620.16
Diesel Received 10-15-21	gal	$2.70		7000	7000				
						Daily Sub-Total	$23,421.68		$31,366.52

Cumulative Total AES & 3rd Party $59,656.57

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PEAK H04 BH

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	10/8/21	10/9/21	10/10/21	10/11/21	10/12/21	10/13/21	10/14/21	10/15/21	10/16/21	10/17/21	10/18/21	10/19/21	10/20/21	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21	10/26/21	10/27/21	10/28/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	9 7/8	9 7/8													
	Starting Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342												
	Ending Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342													
5,317	Footage Drilled	-	-	-	-	-	-	75	5,242	-	-	-	-	-	-	-	-	-	-	-	-	-
504	New Hole Vol.	-	-	-	-	-	-	7	497	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume		2,419	279	279	279	279	279	2,664	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570
23	Chemical Additions							10	13													
304	Base Fluid Added							74	230													
17	Barite Increase								17													
4,781	Weighted Mud Added	2,419						2,362														
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
5,125	Total Additions	2,419	-	-	-	-	-	2,446	260	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
330	Mud Loss to Cuttings							2	328													
-	Unrecoverable Volume																					
85	Centrifuge Losses							59	26													
415	Total Losses	-	-	-	-	-	-	61	354	-	-	-	-	-	-	-	-	-	-	-	-	-
2,140	Mud Transferred Out		2,140																			
2,570	Ending System Volume	2,419	279	279	279	279	279	2,664	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,570
-	Mud Recovered																					

2,641

Comments:		Comments:		Comments:	
10/8/21	Transferred 2,419bls from the HO2 to the HO4.	10/15/21	Lost 328bls to mud on cuttings and 26bls to centrifuge processing active system.	10/22/21	
10/9/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	10/16/21		10/23/21	
10/10/21		10/17/21		10/24/21	
10/11/21		10/18/21		10/25/21	
10/12/21		10/19/21		10/26/21	
10/13/21		10/20/21		10/27/21	
10/14/21	Lost 2bls to mud on cuttings and 59bls to centrifuge while cutting MW back to 8.8ppg for drill out.	10/21/21		10/28/21	

10/16/21 **Report #5**

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**	**10/07/21**	**1,448 ft**	**9,790 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**0 ft/hr**	**Run Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Brandon Parks	**Tool Pusher**	**GIDDINGS**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-18	**20-40**	**8-20**	**>500**	**±275K**	**<10 <15**	**<6**
				10/16/21		10/15/21
Time Sample Taken				0:30		2:30
Sample Location				pit		pit
Flowline Temperature °F						158 °F
Depth (ft)				9,790'		9,790'
Mud Weight (ppg)				9.9		9.8
Funnel Vis (sec/qt)			@ 136 °F	50		55
600 rpm				42		42
300 rpm				27		27
200 rpm				22		23
100 rpm				16		15
6 rpm				7		7
3 rpm				6		6
Plastic Viscosity (cp)			@ 150 °F	15		15
Yield Point (lb/100 ft²)			T0 = 5	12		12
Gel Strength (lb/100 ft²)			10 sec/10 min	8/10		8/12
Gel Strength (lb/100 ft^2)			30 min	11		14
HTHP Filtrate (cm/30 min)			@ 300 °F	8.8		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				13.7%		13.5%
Corrected Solids (vol%)				11.2%		11.1%
Retort Oil Content				62.9%		62.5%
Retort Water Content				23.4%		24%
O/W Ratio				73:27		72:28
Whole Mud Chlorides (mg/L)				60,000		59,000
Water Phase Salinity (ppm)				286,770		278,232
Whole Mud Alkalinity, Pom				2.8		2.2
Excess Lime (lb/bbl)				3.6 ppb		2.9 ppb
Electrical Stability (volts)				457 v		510 v
Average Specific Gravity of Solids				3.08		2.99
Percent Low Gravity Solids				6.6%		7%
ppb Low Gravity Solids				54 ppb		58 ppb
Percent Barite				4.7%		4.1%
ppb Barite				67 ppb		59 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly	0	M. Washburn

MUD VOLUME (BBL)

In Pits	535 bbl
In Hole	987 bbl
Active	535 bbl
Storage	1000 bbl
Tot. on Location	2522 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 = 0.637 K = 258.527

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

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

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	7.625	6.875	0'	0'
Hevi Wt				0'
Collars				0'
Collars				0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,014'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	10.369	9,790'		

ANNULAR GEOMETRY & RHEOLOGY

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

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	19.0
Shaker 2	140	19.0
Shaker 3	140	19.0
Desander		
Desilter		
Centrifuge 1		0.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2570.0
Transferred In(+)/Out(-)	
Oil Added (+)	97.6
Barite Added (+)	24.4
Other Product Usage (+)	11.5
Water Added (+)	0.2
Left on Cuttings (-)	-181.5
Non-Recoverable Vol. (-)	
Centrifuge	
Est. Total on Location	2522.2
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.00	psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
0 lbs	0			

BIT DATA Manuf./Type ULTERRA / PDC

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	3,025 ft	34.0	6,765 ft	199.0		

Remarks/Recommendations:

TOTAL OBM RECEIVED: 2641 bbls

Plan Forward: Run 7 5/8" casing and cement same.

Increased mud weight 0.2ppg every 1000' starting at 6,400' to a desired 9.8ppg at TD.
Treated active system with maintenance amounts of Lime, Opti G, Bentone 910/990, Mul, and WA.

Pumped 10bls hi-vis sweeps every 300' to TD.

Rig Activity:

Drill 9-7/8" intermediate hole section to TD of 9,790' MD, 9689 TVD (AC). Kick off and build to 20.92 deg inclination. Pump a 30 bbl Hi Visc sweep at TD and circulate hole clean. Observed a few pieces of blocky lignite at shakers up to 3" which is typical in this interval. Mud wt was increased to 9.8 before TD. Slug pipe and POOH. Rigging up 7 5/8" casing tools and testing at report time.

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

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

	Daily Total	Cumulative Cost
	$13,594.95	**$39,349.86**
INCLUDING 3RD PARTY CHARGES	**$24,116.39**	**$81,237.82**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/16/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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	$46.84	42		42			30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32	448		448			28	$400.96
LIME (50)	50# sk	$5.88	425		398	27	$158.76	177	$1,040.76
OPTI - G	50# sk	$32.44	140		80	60	$1,946.40	140	$4,541.60
BENTONE 38 (50)	50# sk	$152.93	68		68				
BENTONE 910 (50)	50# sk	$55.55	48		35	13	$722.15	18	$999.90
BENTONE 990 (50)	50# sk	$88.61	70		56	14	$1,240.54	24	$2,126.64
OPTI - MUL	gal	$11.40	275		165	110	$1,254.00	770	$8,778.00
OPTI - WET	gal	$8.84	440		330	110	$972.40	440	$3,889.60
NEW PHALT	50# sk	$38.72	168		158	10	$387.20	10	$387.20
OIL SORB (25)	25# sk	$4.75	47		47				
NEW CARB (M)	50# sk	$5.63	147		147				
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05	240		240				
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	64		64				
MICA F (50)	50# sk	$10.38	40		40				
GRAPHITE - FINE (50)	50# sk	$25.59	64		64				
NEW WATE (SACK BARITE)	100# sk	$10.73	80		80				
BARITE BULK (100)	100# sk	$8.17	1150	800	1600	350	$2,859.50	550	$4,493.50
OPTI DRILL (OBM)	bbl	$75.00	2306		2306				
MAGNOLIA OWNDED OBM	bbl		335		335				
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							
Scale Ticket	each	$15.00				2	$30.00	2	$30.00
TRUCKING (cwt)	each	$2.48				800	$1,984.00	800	$1,984.00
TRUCKING (min)	each	$812.50						1	$812.50
PALLETS (ea)	each	$12.50						16	$200.00
SHRINK WRAP (ea)	each	$12.50						8	$100.00
		Daily Sub-Total $13,594.95			**Cumulative Total $39,349.86**			**$39,349.86**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/16/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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 Received 10-5-21	gal	$2.63						1172	$3,082.36
Diesel Received 10-11-21	gal	$2.66						3200	$8,512.00
Diesel Received 10-11-21	gal	$2.66						7200	$19,152.00
Diesel Received 10-12-21	gal	$2.72	2272			2272	$6,179.84	2500	$6,800.00
Diesel Received 10-15-21	gal	$2.70	7000		5392	1608	$4,341.60	1608	$4,341.60
Diesel Received 10-15-21	gal	$2.70		7200	7200				
						Daily Sub-Total	$10,521.44		$41,887.96

Cumulative Total AES & 3rd Party $81,237.82

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PEAK H04 BH

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	10/8/21	10/9/21	10/10/21	10/11/21	10/12/21	10/13/21	10/14/21	10/15/21	10/16/21	10/17/21	10/18/21	10/19/21	10/20/21	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21	10/26/21	10/27/21	10/28/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	9 7/8	9 7/8	9 7/8												
	Starting Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790											
6,765	Ending Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790												
641	Footage Drilled	-	-	-	-	-	-	75	5,242	1,448	-	-	-	-	-	-	-	-	-	-	-	-
	New Hole Vol.	-	-	-	-	-	-	7	497	137	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume		2,419	279	279	279	279	279	2,664	2,570	2,522	2,522	2,522	2,522	2,522	2,522	2,522	2,522	2,522	2,522	2,522	2,522
32	Chemical Additions							10	11	11												
402	Base Fluid Added							74	230	98												
38	Barite Increase								14	24												
4,781	Weighted Mud Added	2,419						2,362														
-	Slurry Added																					
5	Water Added								5													
-	Added for Washout																					
5,258	Total Additions	2,419	-	-	-	-	-	2,446	260	133	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
511	Mud Loss to Cuttings							2	328	181												
-	Unrecoverable Volume																					
85	Centrifuge Losses							59	26													
596	Total Losses	-	-	-	-	-	-	61	354	181	-	-	-	-	-	-	-	-	-	-	-	-
2,140	Mud Transferred Out		2,140																			
2,522	Ending System Volume	2,419	279	279	279	279	279	2,664	2,570	2,522	2,522	2,522	2,522	2,522	2,522	2,522	2,522	2,522	2,522	2,522	2,522	2,522
-	Mud Recovered																					

2,641

Comments:		Comments:		Comments:	
10/8/21	Transferred 2,419bls from the HO2 to the HO4.	10/15/21	Lost 328bls to mud on cuttings and 26bls to centrifuge processing active system.	10/22/21	
10/9/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	10/16/21	Lost 181bls to mud on cuttings while drilling and circulating hole clean.	10/23/21	
10/10/21		10/17/21		10/24/21	
10/11/21		10/18/21		10/25/21	
10/12/21		10/19/21		10/26/21	
10/13/21		10/20/21		10/27/21	
10/14/21	Lost 2bls to mud on cuttings and 59bls to centrifuge while cutting MW back to 8.8ppg for drill out.	10/21/21		10/28/21	

10/17/21 **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**	**10/07/21**	**0 ft**	**9,790 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**0 ft/hr**	**Skid Rig**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Brandon Parks	**Tool Pusher**	**GIDDINGS**	**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	
9-18	**20-40**	**8-20**	**>500**	**±275K**	**<10 <15**	**<6**	In Hole	444 bbl	Stroke	12	Stroke	12	Stroke	
				10/17/21		10/16/21	Active	0 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				0:30		12:30	Storage	0 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				pit		pit	Tot. on Location	444 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.628	K = 223.367
Depth (ft)				9,790'		9,790'	Bit Depth = '		Washout = 5%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.6		9.8	Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)			@ 106 °F	52		53		Bottoms Up Vol. 0.0 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				34		41	0.0 bbl	Riser Ann. Vol. 0.0 bbl	Riser Strokes				Riser Circ. Time	
300 rpm				22		25	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				17		21	Tubulars	OD (in.) ID (in.) Length Top					Unit	Screens Hours
100 rpm				12		14	Drill Pipe	0' 0'					Shaker 1	140 18.0
6 rpm				6		6	Hevi Wt	0'					Shaker 2	140 18.0
3 rpm				5		5	Collars	0'					Shaker 3	140 18.0
Plastic Viscosity (cp)			@ 150 °F	12		16	Collars	0'					Desander	
Yield Point (lb/100 ft²)			T0 = 4	10		9	**CASING & HOLE DATA**						Desilter	
Gel Strength (lb/100 ft²)			10 sec/10 min	6/8		7/9	Casing	OD (in.) ID (in.) Depth Top					Centrifuge 1	8.0
Gel Strength (lb/100 ft²)			30 min	9		11	Riser	20 108'					**VOLUME ACCOUNTING (bbls)**	
HTHP Filtrate (cm/30 min)			@ 300 °F	9.4		8.4	Surface	10 3/4 9.950 3,014' 108'					Prev. Total on Location	2522.2
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8 6.875 9,779' 108'					Transferred In(+)/Out(-)	-2040.0
Retort Solids Content				12.5%		13.5%	Washout 1						Oil Added (+)	65.7
Corrected Solids (vol%)				10.2%		11%	Washout 2						Barite Added (+)	0.0
Retort Oil Content				63.5%		63.5%	Open Hole Size	0.000 9,790'					Other Product Usage (+)	0.0
Retort Water Content				24%		23%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	
O/W Ratio				73:27		73:27	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	0.0
Whole Mud Chlorides (mg/L)				57,000		61,000							Dumped (-)	-65.0
Water Phase Salinity (ppm)				271,360		293,727							Centrifuge	-38.9
Whole Mud Alkalinity, Pom				2.5		3.0							Est. Total on Location	444.0
Excess Lime (lb/bbl)				3.3 ppb		3.9 ppb							Est. Losses/Gains (-)/(+)	0.0
Electrical Stability (volts)				465 v		490 v							**BIT HYDRAULICS DATA**	
Average Specific Gravity of Solids				2.98		3.01							Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Percent Low Gravity Solids				6.5%		6.9%								
ppb Low Gravity Solids				54 ppb		56 ppb							Bit Impact Force / Nozzle Velocity (ft/sec)	
Percent Barite				3.7%		4.2%								
ppb Barite				53 ppb		60 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	M. Washburn								

Remarks/Recommendations:

TOTAL OBM RECEIVED: 2641 bbls

Plan Forward: Skid rig to Bighorn Plains HO2 BH

Transfer 2047bls OBM to HO2 leaving 444bls in casing on HO4.

Rig Activity:

Ran 7 5/8" casing to 9,779' LP with no issues. Circulate 1 1/2 casing capacity and rig down casing tools. Rig up cementing equipment and test lines. Pump 50bls 10.5ppg spacer, 283bls 11.8ppg lead, & 78bls 16.2ppg Tail. Drop plug and displace with 445bls of active 9.8ppg OBM. Dumped 65bls of OBM/Spacer interface. Bump plug and test casing to 3500psi. Rig down cementers and flush lines. Nipple down and install well cap. Preparing to skid rig. Currently in the process of cutting MW in active from 9.8ppg back to 8.8ppg with diesel additions and centrifuge.

Eng. 1:	Patrick Blair	Eng. 2:	Nick Dilly	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	936-465-0952	Phone:	337-207-8848	Phone:	432-686-7361	Phone:	-			
W P Y E C g G H O 1 0 1 0 1 1 1 2 1									**$0.00**	**$39,349.86**

INCLUDING 3RD PARTY CHARGES **$7,452.00** **$88,689.82**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/17/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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	$46.84	42	-42				30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36	29	-29					
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32	448	-448				28	$400.96
LIME (50)	50# sk	$5.88	398	-398				177	$1,040.76
OPTI - G	50# sk	$32.44	80	-80				140	$4,541.60
BENTONE 38 (50)	50# sk	$152.93	68	-68					
BENTONE 910 (50)	50# sk	$55.55	35	-35				18	$999.90
BENTONE 990 (50)	50# sk	$88.61	56	-56				24	$2,126.64
OPTI - MUL	gal	$11.40	165	-165				770	$8,778.00
OPTI - WET	gal	$8.84	330	-330				440	$3,889.60
NEW PHALT	50# sk	$38.72	158	-158				10	$387.20
OIL SORB (25)	25# sk	$4.75	47	-47					
NEW CARB (M)	50# sk	$5.63	147	-147					
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05	240	-240					
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	64	-64					
MICA F (50)	50# sk	$10.38	40	-40					
GRAPHITE - FINE (50)	50# sk	$25.59	64	-64					
NEW WATE (SACK BARITE)	100# sk	$10.73	80	-80					
BARITE BULK (100)	100# sk	$8.17	1600	-1600				550	$4,493.50
OPTI DRILL (OBM)	bbl	$75.00	2306	-1862	444				
MAGNOLIA OWNDED OBM	bbl		335	-185		150		150	
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00						8	$7,920.00
ENGINEERING (DIEM)	bbl	$30.00						8	$240.00
ENGINEERING (MILES)	each	$1.00							
Scale Ticket	each	$15.00						2	$30.00
TRUCKING (cwt)	each	$2.48						800	$1,984.00
TRUCKING (min)	each	$812.50						1	$812.50
PALLETS (ea)	each	$12.50						16	$200.00
SHRINK WRAP (ea)	each	$12.50						8	$100.00
					Cumulative Total	$39,349.86		$39,349.86	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/17/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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 Received 10-5-21	gal	$2.63						1172	$3,082.36
Diesel Received 10-11-21	gal	$2.66						3200	$8,512.00
Diesel Received 10-11-21	gal	$2.66						7200	$19,152.00
Diesel Received 10-12-21	gal	$2.72						2500	$6,800.00
Diesel Received 10-15-21	gal	$2.70	5392		2632	2760	$7,452.00	4368	$11,793.60
Diesel Received 10-15-21	gal	$2.70	7200		7200				
						Daily Sub-Total	$7,452.00		$49,339.96

Cumulative Total AES & 3rd Party $88,689.82

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PEAK H04 BH

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	10/8/21	10/9/21	10/10/21	10/11/21	10/12/21	10/13/21	10/14/21	10/15/21	10/16/21	10/17/21	10/18/21	10/19/21	10/20/21	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21	10/26/21	10/27/21	10/28/21
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	9 7/8	9 7/8	9 7/8	9 7/8											
	Starting Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790										
	Ending Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790											
6,765	Footage Drilled	-	-	-	-	-	-	75	5,242	1,448	-	-	-	-	-	-	-	-	-	-	-	-
641	New Hole Vol.	-	-	-	-	-	-	7	497	137	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume		2,419	279	279	279	279	279	2,664	2,570	2,522	444	444	444	444	444	444	444	444	444	444	444
32	Chemical Additions							10	11	11												
468	Base Fluid Added							74	230	98	66											
38	Barite Increase								14	24												
4,781	Weighted Mud Added	2,419						2,362														
-	Slurry Added																					
5	Water Added								5													
-	Added for Washout																					
5,324	Total Additions	2,419	-	-	-	-	-	2,446	260	133	66	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
511	Mud Loss to Cuttings							2	328	181												
65	Unrecoverable Volume										65											
124	Centrifuge Losses							59	26		39											
700	Total Losses	-	-	-	-	-	-	61	354	181	104	-	-	-	-	-	-	-	-	-	-	-
4,180	Mud Transferred Out		2,140								2,040											
444	Ending System Volume	2,419	279	279	279	279	279	2,664	2,570	2,522	444	444	444	444	444	444	444	444	444	444	444	444
-	Mud Recovered																					

601

Comments:		Comments:		Comments:	
10/8/21	Transferred 2,419bls from the HO2 to the HO4.	10/15/21	Lost 328bls to mud on cuttings and 26bls to centrifuge processing active system.	10/22/21	
10/9/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	10/16/21	Lost 181bls to mud on cuttings while drilling and circulating hole clean.	10/23/21	
10/10/21		10/17/21	Lost 65bls to spacer interfaced dumped during cement job and 39bls to centrifuge maintaining and cutting MW back for next well.	10/24/21	
10/11/21		10/18/21		10/25/21	
10/12/21		10/19/21		10/26/21	
10/13/21		10/20/21		10/27/21	
10/14/21	Lost 2bls to mud on cuttings and 59bls to centrifuge while cutting MW back to 8.8ppg for drill out.	10/21/21		10/28/21	

10/19/21 **Report #7**

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

OUTSOURCE FLUID SOLUTIONS LLC.

17.8° **9,562' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**10/04/21**	**2,860 ft**	**9,840 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PLAINS H02 BH	**248**	**TEXAS**	**10/06/21**	**40 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Brandon Parks / Jim Harrison	**Tool Pusher**	**GIDDINGS**	**OBM**	**865 gpm**	**5,320 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
15-17	**20-40**	**8-20**	**>500**	**±275K**	**<10 <15**	**<6**
				10/19/21		10/18/21
Time Sample Taken				0:30		14:00
Sample Location				pit		suction
Flowline Temperature °F				163 °F		160 °F
Depth (ft)				9,789'		9,548'
Mud Weight (ppg)				9.8		9.6
Funnel Vis (sec/qt)			@ 152 °F	43		55
600 rpm				35		36
300 rpm				22		24
200 rpm				17		20
100 rpm				12		14
6 rpm				6		7
3 rpm				5		6
Plastic Viscosity (cp)			@ 150 °F	13		12
Yield Point (lb/100 ft²)			T0 = 4	9		12
Gel Strength (lb/100 ft²)			10 sec/10 min	6/7		6/8
Gel Strength (lb/100 ft^2)			30 min	9		9
HTHP Filtrate (cm/30 min)			@ 300 °F	6.4		7.4
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				12.6%		12.2%
Corrected Solids (vol%)				10.5%		9.9%
Retort Oil Content				65.1%		64.4%
Retort Water Content				22.3%		23.4%
O/W Ratio				74:26		73:27
Whole Mud Chlorides (mg/L)				53,000		58,000
Water Phase Salinity (ppm)				271,500		279,887
Whole Mud Alkalinity, Pom				3.0		3.3
Excess Lime (lb/bbl)				3.9 ppb		4.3 ppb
Electrical Stability (volts)				488 v		460 v
Average Specific Gravity of Solids				3.09		2.90
Percent Low Gravity Solids				6.1%		6.8%
ppb Low Gravity Solids				50 ppb		56 ppb
Percent Barite				4.4%		3.1%
ppb Barite				63 ppb		44 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly	0	M Washburn

MUD VOLUME (BBL)

In Pits	600 bbl
In Hole	850 bbl
Active	1450 bbl
Storage	900 bbl
Tot. on Location	2350 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	135
gal/min	433

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	135
gal/min	433

RISER BOOSTER

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

PHHP = 2686 **CIRCULATION DATA** n = 0.670 K = 172.089

Bit Depth = 9,840 ' Washout = 0% Pump Efficiency = 95%

Drill String Disp.							
75.8 bbl	Volume to Bit	170.7 bbl	Strokes To Bit	2,237	Time To Bit	8 min
	Bottoms Up Vol.	679.6 bbl	BottomsUp Stks	8,906	BottomsUp Time	33 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	9,201'	0'
Hevi Wt	5.000	3.800	334'	9,201'
Collars	6.500	2.750	190'	9,535'
Collars	8.000	3.250	115'	9,725'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,020'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size		9.875	9,840'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	-848.4		9.83
9.95x5	3,020'	286.6	turb	10.07
9.875x5	9,201'	292.5	turb	10.09
9.875x5	9,535'	292.5	turb	10.12
9.875x6.5	9,725'	383.8	turb	10.16
9.875x8	9,840'	632.8	turb	10.22

BIT DATA Manuf./Type Ulterra PDC

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	3,020 ft	39.0	6,812 ft	174.7

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	24.0
Shaker 2	140	24.0
Shaker 3	140	24.0
Desander		
Desilter		
Centrifuge 1		0.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2398.0
Transferred In(+)/Out(-)	
Oil Added (+)	209.6
Barite Added (+)	13.9
Other Product Usage (+)	31.2
Water Added (+)	22.6
Left on Cuttings (-)	-325.1
Centrifuge	
Non-Recoverable Vol. (-)	
Est. Total on Location	2350.3
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
2.00	304 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
818 lbs	186			

Motor/MWD	Calc. Circ. Pressure
2,764 psi	5,320 psi

Remarks/Recommendations:

OBM RECEIVED: 2142bls

PLAN FORWARD: TD Intermediate section and POOH.

Staged MW up to 9.8ppg before entering Austin Chalk.

Treating active system with maintenance amounts of Lime, Opti-G, CaCl, Mul, WA, and Bentone 910/990.

Maintaining MW with diesel & water additions.

Rig Activity:

Drill F/6,980' T/9,840' pumping 10bbl hi-vis sweeps every 300' (KOP @ 9,400'). Drill/slide ahead building curve (100% sliding) at report time. Weighed up to 9.6ppg before entering Pecan Gap formation and 9.8 before entering Austin Chalk. Adding diesel and Optiwet for oil wetting of solids, density control, and for volume. Adding lime for alkalinity, OPTIMUL for ES, CaCl for inhibition, and Newphalt/OptiG for HTHP control and wellbore stabilization. Current ROP 40'/hr sliding. MWD Temp 243 F.

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
0 0 1 0 1 1 1 2 1

	Daily Total	Cumulative Cost
	$18,900.10	**$43,299.73**
INCLUDING 3RD PARTY CHARGES	**$41,248.94**	**$101,779.17**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/19/21	MAGNOLIA OIL & GAS	BIGHORN PLAINS H02 BH	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	$46.84	42		42			42	$1,967.28
PHPA LIQUID (pail)	5 gal	$41.36	29		29				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32	448		364	84	$1,202.88	84	$1,202.88
LIME (50)	50# sk	$5.88	500		375	125	$735.00	223	$1,311.24
OPTI - G	50# sk	$32.44	240		160	80	$2,595.20	80	$2,595.20
BENTONE 38 (50)	50# sk	$152.93	68		68				
BENTONE 910 (50)	50# sk	$55.55	64		60	4	$222.20	15	$833.25
BENTONE 990 (50)	50# sk	$88.61	80		74	6	$531.66	22	$1,949.42
OPTI - MUL	gal	$11.40	715		330	385	$4,389.00	495	$5,643.00
OPTI - WET	gal	$8.84	660		330	330	$2,917.20	440	$3,889.60
NEW PHALT	50# sk	$38.72	158		90	68	$2,632.96	68	$2,632.96
OIL SORB (25)	25# sk	$4.75	47		47				
NEW CARB (M)	50# sk	$5.63	147		147				
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05	240		240				
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	40		40				
MICA F (50)	50# sk	$10.38	40		40				
GRAPHITE POWDER F (50)	50# sk	$25.59	64		64				
NEW WATE (SACK BARITE)	100# sk	$10.73	80		80				
BARITE BULK (100)	100# sk	$8.17	1600		1400	200	$1,634.00	200	$1,634.00
OPTI DRILL (OBM)	bbl	$75.00	2142		2142				
Magnolia owned mud	bbl		185		185				
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	14	$13,860.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	14	$420.00
ENGINEERING (MILES)	each	$1.00						748	$748.00
FORKLIFT WITH OPERATOR	each	$156.25						1	$156.25
Scale Ticket	each	$15.00						2	$30.00
TRUCKING (cwt)	each	$2.48						1472	$3,651.65
TRUCKING (min)	each	$812.50							
PALLETS (ea)	each	$12.50						31	$387.50
SHRINK WRAP (ea)	each	$12.50						31	$387.50
		Daily Sub-Total $18,900.10			**Cumulative Total $43,299.73**			**$43,299.73**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
10/19/21	MAGNOLIA OIL & GAS	BIGHORN PLAINS H02 BH	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 10-4-21		$2.57							
Diesel 10-4-21	gal	$2.57							
Diesel 10-5-21	gal	$2.63							
Diesel Received 10-15-21	gal	$2.70						2632	$7,106.40
Diesel Received 10-15-21	gal	$2.70						7200	$19,440.00
Diesel Received 10-17-21	gal	$2.77	3740			3740	$10,359.80	7200	$19,944.00
Diesel Received 10-18-21	gal	$2.76		7000	2650	4350	$11,989.04	4350	$11,989.04
Diesel Received 10-18-21	gal	$2.76		7000	7000				
					Daily Sub-Total $22,348.84			$58,479.44	

Cumulative Total AES & 3rd Party $101,779.17

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PLAINS H02 BH

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	10/5/21	10/6/21	10/7/21	10/8/21	10/9/21	10/10/21	10/11/21	10/12/21	10/13/21	10/14/21	10/15/21	10/16/21	10/17/21	10/18/21	10/19/21	10/20/21	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21
		Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	9 7/8	9 7/8							
	Starting Depth	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	6,980	9,840					
	Ending Depth	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	6,980	9,840						
6,820	Footage Drilled	-	-	-	-	-	-	-	-	-	-	-	-	-	3,960	2,860	-	-	-	-	-	-
646	New Hole Vol.	-	-	-	-	-	-	-	-	-	-	-	-	-	375	271	-	-	-	-	-	-
	Starting System Volume	2,594	2,594	2,594	2,725	280	280	280	280	280	280	280	280	280	2,327	2,398	2,350	2,350	2,350	2,350	2,350	2,350
39	Chemical Additions														8	31						
531	Base Fluid Added														322	209						
14	Barite Increase															14						
2,332	Weighted Mud Added			285										2,047								
-	Slurry Added																					
26	Water Added														3	23						
-	Added for Washout																					
2,942	Total Additions	-	-	285	-	-	-	-	-	-	-	-	-	2,047	333	277	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
587	Mud Loss to Cuttings														262	325						
26	Unrecoverable Volume				26																	
-	Centrifuge Losses																					
613	Total Losses	-	-	-	26	-	-	-	-	-	-	-	-	-	262	325	-	-	-	-	-	-
2,573	Mud Transferred Out			154	2,419																	
2,350	Ending System Volume	2,594	2,594	2,725	280	280	280	280	280	280	280	280	280	2,327	2,398	2,350	2,350	2,350	2,350	2,350	2,350	2,350
-	Mud Recovered																					

2,353

Comments:		Comments:		Comments:	
10/5/21	Received 2594bls from Rommel pad.	10/12/21		10/19/21	Lost 325bls to mud on cuttings while drilling.
10/6/21	No losses.	10/13/21		10/20/21	
10/7/21	No losses.	10/14/21		10/21/21	
10/8/21	Lost 26bls during transportation to/from mud plant and displacement of cement for surface casing. Transferred 2419bls OBM to the HO4 leaving 280bls in casing on HO2.	10/15/21		10/22/21	
10/9/21		10/16/21		10/23/21	
10/10/21		10/17/21	Transferred 2047bls OBM from the HO4 to the HO2. 280bls alreadty pre-loaded in casing from surface interval.	10/24/21	
10/11/21		10/18/21	Lost 262bls to mud on cuttings while drilling.	10/25/21	

11/02/21 **Report #9**

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

OUTSOURCE FLUID SOLUTIONS LLC.

20.9° **14,132' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**10/07/21**	**3,624 ft**	**14,547 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**240 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt/Chris Mayeux	**Tool Pusher**	**GIDDINGS**	**OBM**	**445 gpm**	**5,110 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	667 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
9-18	**8-20**	**5-20**	**>200**	**±270K**	**<10 <12**	**<10**	In Hole	574 bbl	Stroke	12	Stroke	12	Stroke	
				11/2/21		11/1/21	Active	1241 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				0:30		14:30	Storage	1595 bbl	stk/min	88	stk/min	51	stk/min	
Sample Location				pit		flowline	Tot. on Location	2836 bbl	gal/min	282	gal/min	163	gal/min	0
Flowline Temperature °F				135 °F		138 °F	PHHP = 1328		**CIRCULATION DATA**				n = 0.621	K = 274.974
Depth (ft)				14,547'		12,795'	Bit Depth = 14,547 '		Washout = 0%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.1		9.1	Drill String Disp.	Volume to Bit 205.6 bbl	Strokes To Bit 2,694				Time To Bit 19 min	
Funnel Vis (sec/qt)			@ 110 °F	48		48		Bottoms Up Vol. 367.9 bbl	BottomsUp Stks 4,822				BottomsUp Time 35 min	
600 rpm				40		38	81.6 bbl	Riser Ann. Vol. -2.1 bbl	Riser Strokes -28				Riser Circ. Time 0 min	
300 rpm				26		25	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				21		21	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens Hours
100 rpm				16		18	Drill Pipe	4.500	3.826	14,386'	0'		Shaker 1	140
6 rpm				8		9	Hevi Wt	5.250	2.000	34'	14,386'		Shaker 2	140
3 rpm				7		8	Collars	5.125	2.680	127'	14,420'		Shaker 3	140
Plastic Viscosity (cp)			@ 150 °F	14		13	Collars				14,547'		Desander	
Yield Point (lb/100 ft²)			T0 = 6	12		12	**CASING & HOLE DATA**						Desilter	
Gel Strength (lb/100 ft²)			10 sec/10 min	8/11		10/12	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1	
Gel Strength (lb/100 ft^2)			30 min	13		14	Riser	20		108'			**VOLUME ACCOUNTING (bbls)**	
HTHP Filtrate (cm/30 min)			@ 300 °F	7.4		8.0	Surface	10 3/4	9.950	3,014'	108'		Prev. Total on Location	2862.9
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	9,779'	108'		Transferred In(+)/Out(-)	310.0
Retort Solids Content				10.5%		10.5%	Washout 1						Oil Added (+)	91.7
Corrected Solids (vol%)				8%		8%	Washout 2						Barite Added (+)	7.0
Retort Oil Content				63.5%		65.5%	Open Hole Size	6.750	14,547'				Other Product Usage (+)	13.7
Retort Water Content				26%		24%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	26.0
O/W Ratio				71:29		73:27	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	-192.5
Whole Mud Chlorides (mg/L)				62,800		62,000							Lost Returns (-)	-248.2
Water Phase Salinity (ppm)				274,707		288,301	0x4.5	108'	-539.2		9.27		Non-Recoverable Vol. (-)	-35.0
Whole Mud Alkalinity, Pom				3.0		3.0	6.875x4.5	9,779'	404.2	turb	10.33		Est. Total on Location	2835.6
Excess Lime (lb/bbl)				3.9 ppb		3.9 ppb	6.75x4.5	14,386'	431.4	turb	10.54		Est. Losses/Gains (-)/(+)	0.0
Electrical Stability (volts)				452 v		506 v	6.75x5.25	14,420'	606.6	turb	10.72		**BIT HYDRAULICS DATA**	
Average Specific Gravity of Solids				2.70		2.82	6.75x5.125	14,547'	565.8	turb	10.91		Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Percent Low Gravity Solids				6.4%		5.8%							0.54 / 75 psi / 18 18 18	
ppb Low Gravity Solids				52 ppb		48 ppb							Bit Impact Force / Nozzle Velocity (ft/sec) / 18 18 18	
Percent Barite				1.6%		2.2%								
ppb Barite				23 ppb		31 ppb	**BIT DATA**		Manuf./Type		Halliburton		201 lbs / 96	
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD	Calc. Circ. Pressure
Sample Taken By				C. Beasley	0	P. Blair	6 3/4	9,790 ft	43.0	4,757 ft	110.6		5,102 psi	7,659 psi

Remarks/Recommendations:

TOTAL OBM RECEIVED: 2842 bbls

Plan Forward: TIH Drilling out

Transfer 1929 bls OBM F HO2

SWEEP: Pumping 15 PPB LCM sweeps as needed or every 300'.

Rig Activity:

Rot/Sld Drlg F/10,923' T/12,900' at pm report time. Increased density T/9.1 ppg, max gas units at 2748. Minor seepage losses F/11,556' T/11,779' @ 10 bbls/hr. Incorporated Procor material into sweep, 5 ppb Superceal and 7 ppb Pro-V with 5 ppb Magmafiber fine, pumped 10 bbls of same, losses subsided. Pumped 10 bbls/stand, currently pumping 10 bbls every other stand. Constantly monitoring flow line OWR for substantial water cation increases, 1% increase from previous am report, all water contaminated fluid has been eliminated from auxiliary storage, will continue to monitor. Drilled to 14,547'. Water increased 2% since mid day report. Water is off and will continue to monitor. 100% AC, Max Gas 1875 units, Casing psi 0. Seepage averaged at 10 BBL/HR over last 24 HRS..

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:	Daily Total	Cumulative Cost
Patrick Blair	Chris Beasley	MIDLAND	WH #2			
Phone: 936-465-0952	Phone: 903-747-5377	Phone: 432-686-7361	Phone: -		**$13,066.11**	**$68,708.42**

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

INCLUDING 3RD PARTY CHARGES	**$23,394.03**	**$149,788.38**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/02/21	**MAGNOLIA OIL & GAS**	**BIGHORN PEAK H04 BH**	**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	$46.84	42		42			30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36	94		94				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32	232		168	64	$916.48	260	$3,723.20
LIME (50)	50# sk	$5.88	380		300	80	$470.40	377	$2,216.76
OPTI - G	50# sk	$32.44	80		65	15	$486.60	195	$6,325.80
BENTONE 38 (50)	50# sk	$152.93	48		48			6	$917.58
BENTONE 910 (50)	50# sk	$55.55	43		35	8	$444.40	38	$2,110.90
BENTONE 990 (50)	50# sk	$88.61	55		45	10	$886.10	49	$4,341.89
OPTI - MUL	gal	$11.40	880		825	55	$627.00	1045	$11,913.00
OPTI - WET	gal	$8.84	440		385	55	$486.20	660	$5,834.40
NEW PHALT	50# sk	$38.72	72		72			18	$696.96
OIL SORB (25)	25# sk	$4.75	30		15	15	$71.25	32	$152.00
OPTIPLUS	gal	$48.40	1100		1100				
NEW CARB (M)	50# sk	$5.63	132		126	6	$33.78	11	$61.93
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05	192		174	18	$504.90	36	$1,009.80
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	40		40				
MICA F (50)	50# sk	$10.38	40		40				
GRAPHITE - FINE (50)	50# sk	$25.59	64		64				
NEW WATE (SACK BARITE)	100# sk	$10.73	80		80				
BARITE BULK (100)	100# sk	$8.17	1300	400	1600	100	$817.00	650	$5,310.50
OPTI DRILL (OBM)	bbl	$75.00	2842	115	2900	57	$4,275.00	57	$4,275.00
MAGNOLIA OWNDED OBM	bbl		110	195		305		455	
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	14	$13,860.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	14	$420.00
ENGINEERING (MILES)	each	$1.00							
Scale Ticket	each	$15.00				1	$15.00	3	$45.00
TRUCKING (cwt)	each	$2.48				400	$992.00	1200	$2,976.00
TRUCKING (min)	each	$812.50						1	$812.50
PALLETS (ea)	each	$12.50						16	$200.00
SHRINK WRAP (ea)	each	$12.50						8	$100.00
		Daily Sub-Total $13,066.11			**Cumulative Total $68,708.42**			**$68,708.42**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/02/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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 Received 10-5-21	gal	$2.63							1172	$3,082.36
Diesel Received 10-11-21	gal	$2.66							3200	$8,512.00
Diesel Received 10-11-21	gal	$2.66							7200	$19,152.00
Diesel Received 10-12-21	gal	$2.72							2500	$6,800.00
Diesel Received 10-15-21	gal	$2.70							4368	$11,793.60
Diesel Received 10-15-21	gal	$2.70								
Diesel transfer F/Bighorn Plains H02BH	gal	$2.76	3742			3742	$10,327.92		11500	$31,740.00
Diesel Received 10-31-21	gal	$2.72	7200		7200					
Diesel Received 11-1-21	gal	$2.72		7000	7000					
PROCOR PRO V PLUS	25# sk		244		200	44			44	
PROCOR PRO X	25# sk		304		304					
PROCOR SWEEP AID	25# sk		288		288					
PROCOR SUPERCEAL	25# sk		264		240	24			24	

Daily Sub-Total $10,327.92

$81,079.96

Cumulative Total AES & 3rd Party $149,788.38

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PEAK H04 BH

		WEEK 1							WEEK 2							WEEK 3						
	Date	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21	10/26/21	10/27/21	10/28/21	10/29/21	10/30/21	10/31/21	11/1/21	11/2/21	11/3/21	11/4/21	11/5/21	11/6/21	11/7/21	11/8/21	11/9/21	11/10/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4								
Grand Totals	Starting Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790	9,790	10,923	14,547							
	Ending Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790	9,790	10,923	14,547								
11,522	Footage Drilled	-	-	-	-	-	-	75	5,242	1,448	-	-	1,133	3,624	-	-	-	-	-	-	-	-
851	New Hole Vol.	-	-	-	-	-	-	7	497	137	-	-	50	160	-	-	-	-	-	-	-	-
	Starting System Volume		2,419	279	279	279	279	279	2,664	2,570	2,522	444	2,952	2,863	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836
75	Chemical Additions							10	11	11		10	19	14								
753	Base Fluid Added							74	230	98	66	100	93	92								
45	Barite Increase								14	24				7								
7,489	Weighted Mud Added	2,419						2,362				2,398		310								
-	Slurry Added																					
46	Water Added								5				15	26								
-	Added for Washout																					
8,408	Total Additions	2,419	-	-	-	-	-	2,446	260	133	66	2,508	127	449	-	-	-	-	-	-	-	-
-	Surface Losses																					
370	Formation Loss												122	248								
762	Mud Loss to Cuttings							2	328	181			59	192								
91	Unrecoverable Volume										65		15	11								
169	Centrifuge Losses							59	26		39		20	25								
1,392	Total Losses	-	-	-	-	-	-	61	354	181	104	-	216	476	-	-	-	-	-	-	-	-
4,180	Mud Transferred Out		2,140								2,040											
2,836	Ending System Volume	2,419	279	279	279	279	279	2,664	2,570	2,522	444	2,952	2,863	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836
-	Mud Recovered																					

3,309

Comments:		Comments:		Comments:	
10/21/21	Transferred 2,419bls from the HO2 to the HO4.	10/28/21	Lost 328bls to mud on cuttings and 26bls to centrifuge processing active system.	11/4/21	
10/22/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	10/29/21	Lost 181bls to mud on cuttings while drilling and circulating hole clean.	11/5/21	
10/23/21		10/30/21	Lost 65bls to spacer interfaced dumped during cement job and 39bls to centrifuge maintaining and cutting MW back for next well.	11/6/21	
10/24/21		10/31/21		11/7/21	
10/25/21		11/1/21		11/8/21	
10/26/21		11/2/21	310 BBLS received from mudplant	11/9/21	
10/27/21	Lost 2bls to mud on cuttings and 59bls to centrifuge while cutting MW back to 8.8ppg for drill out.	11/3/21		11/10/21	

11/03/21 **Report #10**

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

OUTSOURCE FLUID SOLUTIONS LLC.

20.9° **14,317' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**10/07/21**	**2,337 ft**	**16,884 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**0 ft/hr**	**TRIP**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt/Chris Mayeux	**Tool Pusher**	**GIDDINGS**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
				11/3/21		
Time Sample Taken				12:00		
Sample Location				PIT		
Flowline Temperature °F						
Depth (ft)				16,884'		
Mud Weight (ppg)				8.4		
Funnel Vis (sec/qt)			@ 88 °F	27		
600 rpm				5		
300 rpm				3		
200 rpm				2		
100 rpm				1		
6 rpm				1		
3 rpm				1		
Plastic Viscosity (cp)			@ 120 °F	2		
Yield Point (lb/100 ft²)			T0 = 1	1		
Gel Strength (lb/100 ft²)			10 sec/10 min	1/1		
Gel Strength (lb/100 ft^2)			30 min	1		
API Filtrate / Cake Thickness						
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.4%		
Retort Oil Content						
Retort Water Content				99.6%		
Sand Content				0.3%		
M.B.T. (Methylene Blue Capacity) (ppb)				5.0		
pH				7.0		
Alkalinity, Mud Pm				0.1		
Alkalinities, Filtrate Pf/Mf				0.1/0.2		
Chlorides (mg/L)				700		
Calcium (ppm)				280		
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.4%		
Percent Drill Solids				0.4%		
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				C Beasley		

MUD VOLUME (BBL)

In Pits	509 bbl
In Hole	676 bbl
Active	1090 bbl
Storage	1858 bbl
Tot. on Location	3043 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

PHHP = 0 **CIRCULATION DATA** n = 0.737 K = 15.441

Bit Depth = 14,745 ' | Washout = 0% | Pump Efficiency = 95%

Drill String Disp.				
82.6 bbl	Volume to Bit	208.4 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	372.8 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	14,584'	0'
Hevi Wt	5.250	2.000	34'	14,584'
Collars	5.125	2.680	127'	14,618'
Collars				14,745'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,014'	108'
Int. Csg.	7 5/8	6.875	9,779'	108'
Washout 1				
Washout 2				
Open Hole Size		6.750	16,884'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x4.5	108'	0.0		8.40
6.875x4.5	9,779'	0.0	lam	8.40
6.75x4.5	14,584'	0.0	lam	8.40
6.75x5.25	14,618'	0.0	lam	8.40
6.75x5.125	14,745'	0.0	lam	8.40

BIT DATA Manuf./Type Halliburton

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	9,790 ft	43.0	7,096 ft	165.0

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	2835.5
Transferred In(+)/Out(-)	207.0
Oil Added (+)	178.0
Barite Added (+)	27.8
Other Product Usage (+)	17.2
Water Added (+)	675.5
Left on Cuttings (-)	-124.1
Lost Returns (-)	-739.0
Non-Recoverable Vol. (-)	-35.0
Est. Total on Location	3042.9
Est. Losses/Gains (-)/(+)	-0.1

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
5,102 psi	

Remarks/Recommendations:

Slug Pit: Fresh water / Tank 7: 9.1 OBM / Tank 5&6: Kill Mud

Plan Forward: POOH & P/U new motor.

Transfer 1929 bls OBM F HO2

SWEEP: Pumping H20 contaminated OBM.

Rig Activity:

Rot/Sld Drlg 14,547', experienced mud volume gains at 15,470' MD ~10 bbls/hr. Frequent retort reports trending water influx F/27% water content @ 06:00 T/31% water content @ 13:00, corresponding ES F/452 volts T/219 volts at flow line. Adding diesel @ 21 bbls/hr, emulsifier at 1/2 drum per hour. Adding Calcium chloride to increase water phase salinity. Monitoring closely at flow line for water flow increases/retort content. Drilled to 16884'. work pipe free @ 16884'. Attempt to stage up MP's to full GPM rate but was unable to. Circulate B/U while preparing mud cap. Pumped 120 BBLS of 17# kill mud down back side with casing psi 0. Strip out of hole with calculated fill on backside with kill mud.

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

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

	Daily Total	Cumulative Cost
	$76,783.10	**$145,491.52**
INCLUDING 3RD PARTY CHARGES	**$96,367.10**	**$246,155.48**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/03/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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	$46.84	42		42			30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36	94		94				
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32	168	448	560	56	$801.92	316	$4,525.12
LIME (50)	50# sk	$5.88	300		250	50	$294.00	427	$2,510.76
OPTI - G	50# sk	$32.44	65	160	160	65	$2,108.60	260	$8,434.40
BENTONE 38 (50)	50# sk	$152.93	48	40	88			6	$917.58
BENTONE 910 (50)	50# sk	$55.55	35	40	75			38	$2,110.90
BENTONE 990 (50)	50# sk	$88.61	45	40	69	16	$1,417.76	65	$5,759.65
OPTI - MUL	gal	$11.40	825		660	165	$1,881.00	1210	$13,794.00
OPTI - WET	gal	$8.84	385	660	935	110	$972.40	770	$6,806.80
NEW PHALT	50# sk	$38.72	72		72			18	$696.96
OIL SORB (25)	25# sk	$4.75	15		15			32	$152.00
OPTIPLUS	gal	$48.40	1100		935	165	$7,986.00	165	$7,986.00
NEW CARB (M)	50# sk	$5.63	126		126			11	$61.93
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05	174		120	54	$1,514.70	90	$2,524.50
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	40		40				
MICA F (50)	50# sk	$10.38	40		40				
GRAPHITE - FINE (50)	50# sk	$25.59	64		64				
NEW WATE (SACK BARITE)	100# sk	$10.73	80		80				
BARITE BULK (100)	100# sk	$8.17	1600		1200	400	$3,268.00	1050	$8,578.50
OPTI DRILL (OBM)	bbl	$75.00	2900	207	2400	707	$53,025.00	764	$57,300.00
MAGNOLIA OWNDED OBM	bbl							455	
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	16	$15,840.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	16	$480.00
ENGINEERING (MILES)	each	$1.00							
Scale Ticket	each	$15.00						3	$45.00
TRUCKING (cwt)	each	$2.48				428	$1,061.22	1628	$4,037.22
TRUCKING (min)	each	$812.50						1	$812.50
PALLETS (ea)	each	$12.50				18	$225.00	34	$425.00
SHRINK WRAP (ea)	each	$12.50				15	$187.50	23	$287.50
		Daily Sub-Total $76,783.10			**Cumulative Total $145,491.52**			**$145,491.52**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/03/21	**MAGNOLIA OIL & GAS**	**BIGHORN PEAK H04 BH**	**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 Received 10-5-21	gal	$2.63						1172	$3,082.36
Diesel Received 10-11-21	gal	$2.66						3200	$8,512.00
Diesel Received 10-11-21	gal	$2.66						7200	$19,152.00
Diesel Received 10-12-21	gal	$2.72						2500	$6,800.00
Diesel Received 10-15-21	gal	$2.70						4368	$11,793.60
Diesel Received 10-15-21	gal	$2.70							
Diesel transfer F/Bighorn Plains H02BH	gal	$2.76						11500	$31,740.00
Diesel Received 10-31-21	gal	$2.72	7200			7200	$19,584.00	7200	$19,584.00
Diesel Received 11-1-21	gal	$2.72	7000		7000				
PROCOR PRO V PLUS	25# sk		200		180	20		64	
PROCOR PRO X	25# sk		304		304				
PROCOR SWEEP AID	25# sk		288		288				
PROCOR SUPERCEAL	25# sk		240		200	40		64	
							Daily Sub-Total $19,584.00		**$100,663.96**

Cumulative Total AES & 3rd Party $246,155.48

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PEAK H04 BH

		WEEK 1							WEEK 2							WEEK 3						
	Date	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21	10/26/21	10/27/21	10/28/21	10/29/21	10/30/21	10/31/21	11/1/21	11/2/21	11/3/21	11/4/21	11/5/21	11/6/21	11/7/21	11/8/21	11/9/21	11/10/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4							
Grand Totals	Starting Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790	9,790	10,923	14,547	16,884						
	Ending Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790	9,790	10,923	14,547	16,884							
13,859	Footage Drilled	-	-	-	-	-	-	75	5,242	1,448	-	-	1,133	3,624	2,337	-	-	-	-	-	-	-
955	New Hole Vol.	-	-	-	-	-	-	7	497	137	-	-	50	160	103	-	-	-	-	-	-	-
	Starting System Volume		2,419	279	279	279	279	279	2,664	2,570	2,522	444	2,952	2,863	2,836	2,367	2,367	2,367	2,367	2,367	2,367	2,367
92	Chemical Additions							10	11	11		10	19	14	17							
931	Base Fluid Added							74	230	98	66	100	93	92	178							
73	Barite Increase								14	24				7	28							
7,696	Weighted Mud Added	2,419						2,362				2,398		310	207							
-	Slurry Added																					
46	Water Added								5				15	26								
-	Added for Washout																					
8,838	Total Additions	2,419	-	-	-	-	-	2,446	260	133	66	2,508	127	449	430	-	-	-	-	-	-	-
-	Surface Losses																					
1,109	Formation Loss												122	248	739							
887	Mud Loss to Cuttings							2	328	181			59	192	125							
106	Unrecoverable Volume										65		15	11	15							
189	Centrifuge Losses							59	26		39		20	25	20							
2,291	Total Losses	-	-	-	-	-	-	61	354	181	104	-	216	476	899	-	-	-	-	-	-	-
4,180	Mud Transferred Out		2,140								2,040											
2,367	Ending System Volume	2,419	279	279	279	279	279	2,664	2,570	2,522	444	2,952	2,863	2,836	2,367	2,367	2,367	2,367	2,367	2,367	2,367	2,367
-	Mud Recovered																					

3,516

Comments:		Comments:		Comments:	
10/21/21	Transferred 2,419bls from the HO2 to the HO4.	10/28/21	Lost 328bls to mud on cuttings and 26bls to centrifuge processing active system.	11/4/21	
10/22/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	10/29/21	Lost 181bls to mud on cuttings while drilling and circulating hole clean.	11/5/21	
10/23/21		10/30/21	Lost 65bls to spacer interfaced dumped during cement job and 39bls to centrifuge maintaining and cutting MW back for next well.	11/6/21	
10/24/21		10/31/21		11/7/21	
10/25/21		11/1/21		11/8/21	
10/26/21		11/2/21	310 BBLS received from mudplant	11/9/21	
10/27/21	Lost 2bls to mud on cuttings and 59bls to centrifuge while cutting MW back to 8.8ppg for drill out.	11/3/21	207 BBLS received from mudplant	11/10/21	

11/04/21 **Report #11**

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

OUTSOURCE FLUID SOLUTIONS LLC.

20.9° **9,590' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**10/07/21**	**0 ft**	**16,884 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**0 ft/hr**	**Rig Service**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / Chris Mayeux	**Tool Pusher**	**GIDDINGS**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	GELS	pH	API fl	% Solids	In Pits	242 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**	In Hole	703 bbl	Stroke	12	Stroke	12	Stroke	
				11/4/21			Active	627 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				0:30			Storage	1248 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				PIT			Tot. on Location	2193 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.737 K = 15.441	
Depth (ft)				16,884'			Bit Depth = 9,684 '		Washout = 0%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.4			Drill String Disp.	Volume to Bit 136.4 bbl	Strokes To Bit		Time To Bit			
Funnel Vis (sec/qt)			@ 88 °F	27				Bottoms Up Vol. 248.2 bbl	BottomsUp Stks		BottomsUp Time			
600 rpm				5			55.0 bbl	Riser Ann. Vol. -2.1 bbl	Riser Strokes		Riser Circ. Time			
300 rpm				3			**DRILLING ASSEMBLY DATA**				**SOLIDS CONTROL**			
200 rpm				2			Tubulars	OD (in.)	ID (in.)	Length	Top	Unit	Screens	Hours
100 rpm				1			Drill Pipe	4.500	3.826	9,523'	0'	Shaker 1	140	
6 rpm				1			Hevi Wt	5.250	2.000	34'	9,523'	Shaker 2	140	
3 rpm				1			Collars	5.125	2.680	127'	9,557'	Shaker 3	140	
Plastic Viscosity (cp)			@ 120 °F	2			Collars				9,684'	Desander		
Yield Point (lb/100 ft²)			T0 = 1	1			**CASING & HOLE DATA**					Desilter		
Gel Strength (lb/100 ft²)			10 sec/10 min	1/1			Casing	OD (in.)	ID (in.)	Depth	Top	Centrifuge 1		
Gel Strength (lb/100 ft^2)			30 min	1			Riser	20		108'		**VOLUME ACCOUNTING (bbls)**		
API Filtrate / Cake Thickness							Surface	10 3/4	9.950	3,014'	108'	Prev. Total on Location		3042.9
HTHP Filtrate / Cake Thickness			@ 0 °F				Int. Csg.	7 5/8	6.875	9,779'	108'	Transferred In(+)/Out(-)		
Retort Solids Content				0.4%			Washout 1					Oil Added (+)		0.0
Retort Oil Content							Washout 2					Barite Added (+)		20.9
Retort Water Content				99.6%			Open Hole Size	6.750	16,884'			Other Product Usage (+)		0.0
Sand Content				0.3%			**ANNULAR GEOMETRY & RHEOLOGY**					Water Added (+)		
M.B.T. (Methylene Blue Capacity) (ppb)				5.0			annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal	Left on Cuttings (-)		0.0
pH				7.0								Lost Returns (-)		-195.3
Alkalinity, Mud Pm				0.1			0x4.5	108'	0.0		8.40	Non-Recoverable Vol. (-)		-675.0
Alkalinities, Filtrate Pf/Mf				0.1/0.2			6.875x4.5	9,523'	0.0	lam	8.40	Est. Total on Location		2193.5
Chlorides (mg/L)				700			6.875x5.25	9,557'	0.0	lam	8.40	Est. Losses/Gains (-)/(+)		0.0
Calcium (ppm)				280			6.875x5.125	9,684'	0.0	lam	8.40	**BIT HYDRAULICS DATA**		
Excess Lime (lb/bbl)												Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Average Specific Gravity of Solids				2.60	2.60	2.60						0.00	psi	18 18 18
Percent Low Gravity Solids				0.4%								Bit Impact Force	Nozzle Velocity (ft/sec)	18 18 18
Percent Drill Solids				0.4%										
PPA Spurt / Total (ml) @			@ 0 °F				**BIT DATA**		Manuf./Type	Halliburton / PDC		0 lbs	0	
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure	
Sample Taken By							6 3/4	16,884 ft						

Remarks/Recommendations:

Slug Pit: Fresh water / Tank 7: 9.1 OBM / Tank 5&6: Kill Mud

Plan Forward: Finish TIH and drill to TD of production hole with brine/fresh water under mud cap.

Transferred 1929bls OBM F/HO2.

SWEEP: Pumping 10bls of H20 contaminated OBM every 300'.

Rig Activity:

Finished stripping out of hole pumping 17# kill mud down back side with casing psi 0. Change out BHA (motor locked up). TIH to 12,996'. Pull back up inside shoe to 9,684' while working on rig traveling assembly. Servicing rig at report time. Will be drilling ahead with produced brine & freshwater under mud cap once rig repair is complete.

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

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

	Daily Total	Cumulative Cost
	$21,023.00	**$166,514.52**
INCLUDING 3RD PARTY CHARGES	**$21,023.00**	**$267,178.48**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/04/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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	$46.84	42		42			30	$1,405.20
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OPTI - G	50# sk	$32.44	160		160			260	$8,434.40
BENTONE 38 (50)	50# sk	$152.93	88		88			6	$917.58
BENTONE 910 (50)	50# sk	$55.55	75		75			38	$2,110.90
BENTONE 990 (50)	50# sk	$88.61	69		69			65	$5,759.65
OPTI - MUL	gal	$11.40	660		660			1210	$13,794.00
OPTI - WET	gal	$8.84	935		935			770	$6,806.80
NEW PHALT	50# sk	$38.72	72		72			18	$696.96
OIL SORB (25)	25# sk	$4.75	15		15			32	$152.00
OPTIPLUS	gal	$48.40	935		935			165	$7,986.00
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FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	40		40				
MICA F (50)	50# sk	$10.38	40		40				
GRAPHITE - FINE (50)	50# sk	$25.59	64		64				
NEW WATE (SACK BARITE)	100# sk	$10.73	80		80				
BARITE BULK (100)	100# sk	$8.17	1200	400	1300	300	$2,451.00	1350	$11,029.50
OPTI DRILL (OBM)	bbl	$75.00	2400		2193	207	$15,525.00	971	$72,825.00
MAGNOLIA OWNDED OBM	bbl							455	
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	18	$17,820.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	18	$540.00
ENGINEERING (MILES)	each	$1.00							
Scale Ticket	each	$15.00				1	$15.00	4	$60.00
TRUCKING (cwt)	each	$2.48				400	$992.00	2028	$5,029.22
TRUCKING (min)	each	$812.50						1	$812.50
PALLETS (ea)	each	$12.50						34	$425.00
SHRINK WRAP (ea)	each	$12.50						23	$287.50
		Daily Sub-Total $21,023.00			**Cumulative Total $166,514.52**			**$166,514.52**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/04/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	248	Report #11

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Diesel transfer F/Bighorn Plains H02BH	gal	$2.76						11500	$31,740.00
Diesel Received 10-31-21	gal	$2.72						7200	$19,584.00
Diesel Received 11-1-21	gal	$2.72	7000		7000				
Diesel Received 11-3-21	gal	$2.70		7000	7000				
PROCOR PRO V PLUS	25# sk		180		180			64	
PROCOR PRO X	25# sk		304		304				
PROCOR SWEEP AID	25# sk		288		288				
PROCOR SUPERCEAL	25# sk		200		200			64	
									$100,663.96

Cumulative Total AES & 3rd Party $267,178.48

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PEAK H04 BH

		WEEK 1							WEEK 2							WEEK 3						
	Date	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21	10/26/21	10/27/21	10/28/21	10/29/21	10/30/21	10/31/21	11/1/21	11/2/21	11/3/21	11/4/21	11/5/21	11/6/21	11/7/21	11/8/21	11/9/21	11/10/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	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						
Grand Totals	Starting Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790	9,790	10,923	14,547	16,884	16,884					
	Ending Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790	9,790	10,923	14,547	16,884	16,884						
13,859	Footage Drilled	-	-	-	-	-	-	75	5,242	1,448	-	-	1,133	3,624	2,337	-	-	-	-	-	-	-
955	New Hole Vol.	-	-	-	-	-	-	7	497	137	-	-	50	160	103	-	-	-	-	-	-	-
	Starting System Volume		2,419	279	279	279	279	279	2,664	2,570	2,522	444	2,952	2,863	2,836	3,042	2,193	2,193	2,193	2,193	2,193	2,193
92	Chemical Additions							10	11	11		10	19	14	17							
931	Base Fluid Added							74	230	98	66	100	93	92	178							
94	Barite Increase								14	24				7	28	21						
7,696	Weighted Mud Added	2,419						2,362				2,398		310	207							
-	Slurry Added																					
721	Water Added								5				15	26	675							
-	Added for Washout																					
9,534	Total Additions	2,419	-	-	-	-	-	2,446	260	133	66	2,508	127	449	1,105	21	-	-	-	-	-	-
-	Surface Losses																					
1,304	Formation Loss												122	248	739	195						
887	Mud Loss to Cuttings							2	328	181			59	192	125							
781	Unrecoverable Volume										65		15	11	15	675						
189	Centrifuge Losses							59	26		39		20	25	20							
3,161	Total Losses	-	-	-	-	-	-	61	354	181	104	-	216	476	899	870	-	-	-	-	-	-
4,180	Mud Transferred Out		2,140								2,040											
2,193	Ending System Volume	2,419	279	279	279	279	279	2,664	2,570	2,522	444	2,952	2,863	2,836	3,042	2,193	2,193	2,193	2,193	2,193	2,193	2,193
-	Mud Recovered																					

3,516

Comments:		Comments:		Comments:	
10/21/21	Transferred 2,419bls from the HO2 to the HO4.	10/28/21	Lost 328bls to mud on cuttings and 26bls to centrifuge processing active system.	11/4/21	195bls lost downhole while bullheading fluid and stripping out of hole.
10/22/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	10/29/21	Lost 181bls to mud on cuttings while drilling and circulating hole clean.	11/5/21	
10/23/21		10/30/21	Lost 65bls to spacer interfaced dumped during cement job and 39bls to centrifuge maintaining and cutting MW back for next well.	11/6/21	
10/24/21		10/31/21		11/7/21	
10/25/21		11/1/21		11/8/21	
10/26/21		11/2/21	310 BBLS received from mudplant	11/9/21	
10/27/21	Lost 2bls to mud on cuttings and 59bls to centrifuge while cutting MW back to 8.8ppg for drill out.	11/3/21	207 BBLS received from mudplant	11/10/21	

11/05/21 **Report #12**

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

OUTSOURCE FLUID SOLUTIONS LLC.

87.9° **10,568' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**10/07/21**	**946 ft**	**17,830 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**175 ft/hr**	**Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / Chris Mayeux	**Tool Pusher**	**GIDDINGS**	**WBM**	**391 gpm**	**4,600 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**
				11/5/21		11/4/21
Time Sample Taken				0:30		12:30
Sample Location				pit		pit
Flowline Temperature °F						
Depth (ft)				17,827'		16,996'
Mud Weight (ppg)				8.4		8.5
Funnel Vis (sec/qt)			@ 86 °F	27		28
600 rpm				3		5
300 rpm				2		3
200 rpm				1		2
100 rpm				1		1
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	1		2
Yield Point (lb/100 ft²)			T0 = 1	1		1
Gel Strength (lb/100 ft²)			10 sec/10 min	1/1		1/1
Gel Strength (lb/100 ft^2)			30 min	1		1
API Filtrate / Cake Thickness						
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.6%		1.1%
Retort Oil Content				2%		3%
Retort Water Content				97.4%		95.9%
Sand Content				0.1%		0.2%
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				7.0		8.5
Alkalinity, Mud Pm				0.1		0.1
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.5
Chlorides (mg/L)				1700		25000
Calcium (ppm)				280		320
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.5%		0%
Percent Drill Solids				0.5%		
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly		P. Blair

MUD VOLUME (BBL)

In Pits	224 bbl
In Hole	701 bbl
Active	925 bbl
Storage	1640 bbl
Tot. on Location	2565 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

PHHP = 1049 **CIRCULATION DATA** n = 0.585 K = 26.563

Bit Depth = 17,830 ' Washout = 0% Pump Efficiency = 95%

Drill String Disp.							
99.5 bbl	Volume to Bit	252.3 bbl	Strokes To Bit	4,039	Time To Bit	27 min
	Bottoms Up Vol.	448.7 bbl	BottomsUp Stks	7,183	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	17,669'	0'
Hevi Wt	5.250	2.000	34'	17,669'
Collars	5.125	2.680	127'	17,703'
Collars				17,830'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,014'	108'
Int. Csg.	7 5/8	6.875	9,779'	108'
Washout 1				
Washout 2				
Open Hole Size		6.750	17,830'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x4.5	108'	-473.1		8.54
6.875x4.5	9,779'	354.7	turb	8.99
6.75x4.5	17,669'	378.5	turb	9.50
6.75x5.25	17,703'	532.3	turb	9.69
6.75x5.125	17,830'	496.5	turb	9.89

BIT DATA Manuf./Type Halliburton / PDC

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	16,884 ft	13.0	946 ft	72.8

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	2193.5
Transferred In(+)/Out(-)	412.0
Oil Added (+)	52.4
Barite Added (+)	0.0
Other Product Usage (+)	2.6
Water Added (+)	
Left on Cuttings (-)	0.0
Lost Returns (-)	-95.6
Non-Recoverable Vol. (-)	
Est. Total on Location	2564.9
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.34	53 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
143 lbs	84			

Motor/MWD	Calc. Circ. Pressure
3,369 psi	4,600 psi

Remarks/Recommendations:

Slug Pit: Fresh water / Tank 7: 9.1 OBM / Tank 5&6 17.0ppg Kill Mud
Plan Forward: Finish drilling to TD of production hole with brine/freshwater under mud cap.

Total OBM Received (Consignment Volume): 2607bls.

Received 412bls 17.0ppg OBM from mud plant on 11/4.

Mud check derived from drill water in pit #8 while drilling.

Rig Activity:

Finished working on rig traveling assembly. Pump 50bls of 17.0ppg kill mud on backside. TIH F/9,684' T/14,603'. Continue TIH inspecting every connection down to 16,591'. Wash down bo bottom 16,884'. Spot 30bls 17.0ppg OBM on backside to pull and repair rotating head. Drill ahead from 16,884' to 17,830' with produced brine hauled in and freshwater. Spotted 40bls of 17.0ppg kill mud on backside at 17,810' to drop casing pressure from 100psi to 0. Treating drill water with 3.5bls/hr diesel and 1.5gal/hr PHPA for torque. Drilling ahead at report time with freshwater under OBM cap.

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

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

Daily Total	Cumulative Cost
$3,697.92	**$170,212.44**
INCLUDING 3RD PARTY CHARGES	**$9,687.36**	**$276,865.84**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/05/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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	$46.84	42		42			30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36	94		72	22	$909.92	22	$909.92
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32	560		560			316	$4,525.12
LIME (50)	50# sk	$5.88	250		250			427	$2,510.76
OPTI - G	50# sk	$32.44	160		160			260	$8,434.40
BENTONE 38 (50)	50# sk	$152.93	88		88			6	$917.58
BENTONE 910 (50)	50# sk	$55.55	75		75			38	$2,110.90
BENTONE 990 (50)	50# sk	$88.61	69		69			65	$5,759.65
OPTI - MUL	gal	$11.40	660		660			1210	$13,794.00
OPTI - WET	gal	$8.84	935		935			770	$6,806.80
NEW PHALT	50# sk	$38.72	72		72			18	$696.96
OIL SORB (25)	25# sk	$4.75	15		15			32	$152.00
OPTIPLUS	gal	$48.40	935		935			165	$7,986.00
NEW CARB (M)	50# sk	$5.63	126		126			11	$61.93
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05	120		120			90	$2,524.50
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	40		40				
MICA F (50)	50# sk	$10.38	40		40				
GRAPHITE - FINE (50)	50# sk	$25.59	64		64				
NEW WATE (SACK BARITE)	100# sk	$10.73	80		80				
BARITE BULK (100)	100# sk	$8.17	1300		1300			1350	$11,029.50
OPTI DRILL (OBM)	bbl	$75.00	2193	414	2607			971	$72,825.00
MAGNOLIA OWNDED OBM	bbl							455	
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	20	$19,800.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	20	$600.00
ENGINEERING (MILES)	each	$1.00				748	$748.00	748	$748.00
Scale Ticket	each	$15.00						4	$60.00
TRUCKING (cwt)	each	$2.48						2028	$5,029.22
TRUCKING (min)	each	$812.50						1	$812.50
PALLETS (ea)	each	$12.50						34	$425.00
SHRINK WRAP (ea)	each	$12.50						23	$287.50
		Daily Sub-Total $3,697.92			**Cumulative Total $170,212.44**			**$170,212.44**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/05/21	**MAGNOLIA OIL & GAS**	**BIGHORN PEAK H04 BH**	**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 Received 10-5-21	gal	$2.63						1172	$3,082.36
Diesel Received 10-11-21	gal	$2.66						3200	$8,512.00
Diesel Received 10-11-21	gal	$2.66						7200	$19,152.00
Diesel Received 10-12-21	gal	$2.72						2500	$6,800.00
Diesel Received 10-15-21	gal	$2.70						4368	$11,793.60
Diesel Received 10-15-21	gal	$2.70							
Diesel transfer F/Bighorn Plains H02BH	gal	$2.76						11500	$31,740.00
Diesel Received 10-31-21	gal	$2.72						7200	$19,584.00
Diesel Received 11-1-21	gal	$2.72	7000		4798	2202	$5,989.44	2202	$5,989.44
Diesel Received 11-3-21	gal	$2.70	7000		7000				
PROCOR PRO V PLUS	25# sk		180		180			64	
PROCOR PRO X	25# sk		304		304				
PROCOR SWEEP AID	25# sk		288		288				
PROCOR SUPERCEAL	25# sk		200		200			64	
							Daily Sub-Total $5,989.44		**$106,653.40**

Cumulative Total AES & 3rd Party $276,865.84

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PEAK H04 BH

		WEEK 1							WEEK 2							WEEK 3						
	Date	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21	10/26/21	10/27/21	10/28/21	10/29/21	10/30/21	10/31/21	11/1/21	11/2/21	11/3/21	11/4/21	11/5/21	11/6/21	11/7/21	11/8/21	11/9/21	11/10/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	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					
Grand Totals	Starting Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790	9,790	10,923	14,547	16,884	16,884	17,830				
	Ending Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790	9,790	10,923	14,547	16,884	16,884	17,830					
14,805	Footage Drilled	-	-	-	-	-	-	75	5,242	1,448	-	-	1,133	3,624	2,337	-	946	-	-	-	-	-
997	New Hole Vol.	-	-	-	-	-	-	7	497	137	-	-	50	160	103	-	42	-	-	-	-	-
	Starting System Volume		2,419	279	279	279	279	279	2,664	2,570	2,522	444	2,952	2,863	2,836	3,042	2,193	2,564	2,564	2,564	2,564	2,564
95	Chemical Additions							10	11	11		10	19	14	17		3					
983	Base Fluid Added							74	230	98	66	100	93	92	178		52					
94	Barite Increase								14	24				7	28	21						
8,108	Weighted Mud Added	2,419						2,362				2,398		310	207		412					
-	Slurry Added																					
721	Water Added								5				15	26	675							
-	Added for Washout																					
10,001	Total Additions	2,419	-	-	-	-	-	2,446	260	133	66	2,508	127	449	1,105	21	467	-	-	-	-	-
-	Surface Losses																					
1,400	Formation Loss												122	248	739	195	96					
887	Mud Loss to Cuttings							2	328	181			59	192	125							
781	Unrecoverable Volume										65		15	11	15	675						
189	Centrifuge Losses							59	26		39		20	25	20							
3,257	Total Losses	-	-	-	-	-	-	61	354	181	104	-	216	476	899	870	96	-	-	-	-	-
4,180	Mud Transferred Out		2,140								2,040											
2,564	Ending System Volume	2,419	279	279	279	279	279	2,664	2,570	2,522	444	2,952	2,863	2,836	3,042	2,193	2,564	2,564	2,564	2,564	2,564	2,564
-	Mud Recovered																					

	Comments:		Comments:		Comments:	
	10/21/21	Transferred 2,419bls from the HO2 to the HO4.	10/28/21	Lost 328bls to mud on cuttings and 26bls to centrifuge processing active system.	11/4/21	195bls lost downhole while bullheading fluid and stripping out of hole.
3,928	10/22/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	10/29/21	Lost 181bls to mud on cuttings while drilling and circulating hole clean.	11/5/21	96bls lost to hole filling backside with kill mud.
	10/23/21		10/30/21	Lost 65bls to spacer interfaced dumped during cement job and 39bls to centrifuge maintaining and cutting MW back for next well.	11/6/21	
	10/24/21		10/31/21		11/7/21	
	10/25/21		11/1/21		11/8/21	
	10/26/21		11/2/21	310 BBLS received from mudplant	11/9/21	
	10/27/21	Lost 2bls to mud on cuttings and 59bls to centrifuge while cutting MW back to 8.8ppg for drill out.	11/3/21	207 BBLS received from mudplant	11/10/21	

11/06/21 **Report #13**

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

OUTSOURCE FLUID SOLUTIONS LLC.

87.6° **10,563' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**10/07/21**	**1,723 ft**	**19,553 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**0 ft/hr**	**Backreaming**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / Chris Mayeux	**Tool Pusher**	**GIDDINGS**	**WBM**	**394 gpm**	**4,090 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**
				11/6/21		11/5/21
Time Sample Taken				0:30		13:00
Sample Location				pit		pit
Flowline Temperature °F						
Depth (ft)				19,553'		19,232'
Mud Weight (ppg)				8.4		8.5
Funnel Vis (sec/qt)			@ 89 °F	27		28
600 rpm				3		5
300 rpm				2		3
200 rpm				1		2
100 rpm				1		1
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	1		2
Yield Point (lb/100 ft²)			T0 = 1	1		1
Gel Strength (lb/100 ft²)			10 sec/10 min	1/1		1/1
Gel Strength (lb/100 ft^2)			30 min	1		1
API Filtrate / Cake Thickness						
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.4%		1%
Retort Oil Content						3%
Retort Water Content				99.6%		96%
Sand Content				0%		0.2%
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				7.0		8.4
Alkalinity, Mud Pm				0.1		0.1
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.5
Chlorides (mg/L)				1400		23000
Calcium (ppm)				240		360
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.3%		0%
Percent Drill Solids				0.3%		
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				N. Dilly		P. Blair

MUD VOLUME (BBL)

In Pits	288 bbl
In Hole	778 bbl
Active	984 bbl
Storage	1500 bbl
Tot. on Location	2566 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

PHHP = 939 **CIRCULATION DATA** n = 0.585 K = 26.563

Bit Depth = 17,700 ' Washout = 0% Pump Efficiency = 95%

Drill String Disp.							
98.7 bbl	Volume to Bit	250.4 bbl	Strokes To Bit	4,009	Time To Bit	27 min
	Bottoms Up Vol.	445.5 bbl	BottomsUp Stks	7,131	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	17,539'	0'
Hevi Wt	5.250	2.000	34'	17,539'
Collars	5.125	2.680	127'	17,573'
Collars				17,700'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,014'	108'
Int. Csg.	7 5/8	6.875	9,779'	108'
Washout 1				
Washout 2				
Open Hole Size		6.750	19,553'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x4.5	108'	-476.3		8.40
6.875x4.5	9,779'	357.0	turb	8.82
6.75x4.5	17,539'	381.1	turb	9.15
6.75x5.25	17,573'	535.9	turb	9.15
6.75x5.125	17,700'	499.8	turb	9.17

BIT DATA Manuf./Type Halliburton / PDC

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	16,884 ft	13.0	2,669 ft	205.3

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2564.9
Transferred In(+)/Out(-)	
Oil Added (+)	56.0
Barite Added (+)	0.0
Other Product Usage (+)	0.8
Water Added (+)	
Left on Cuttings (-)	0.0
Lost Returns (-)	-55.9
Non-Recoverable Vol. (-)	
Est. Total on Location	2565.9
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.35	54 psi	18	18	18
Bit Impact Force	Nozzle Velocity (ft/sec)	18	18	18
145 lbs	85			

Motor/MWD	Calc. Circ. Pressure
2,854 psi	4,090 psi

Remarks/Recommendations:

Slug Pit: Fresh water / Tank 7: 9.1 OBM / Tank 5&6 17.0ppg Kill Mud
Plan Forward: Backream out of hole until able to pull on slips. Finish POOH and run production casing.

Total OBM Received (Consignment Volume): 2607bls.

Received 412bls 17.0ppg OBM from mud plant on 11/4.

Mud check derived from drill water in pit #8 while drilling.

Rig Activity:

Rot/Sld Drlg F/17,827' T/19,553' TD with produced brine and freshwater. Torque 12-23k. Treated drill water with 3.5bls/hr diesel and 1.5gal/hr PHPA for lubricity. Pumped remaining brine followed by freshwater downhole for 3xBU volumes. Backream off bottom pumping freshwater to 17,700'. Continue backreaming at report time.

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

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

Daily Total	Cumulative Cost
$5,404.52	**$175,616.96**
INCLUDING 3RD PARTY CHARGES	**$11,807.40**	**$288,673.24**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/06/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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	$46.84	42		42			30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36	72		65	7	$289.52	29	$1,199.44
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32	560		560			316	$4,525.12
LIME (50)	50# sk	$5.88	250		250			427	$2,510.76
OPTI - G	50# sk	$32.44	160		160			260	$8,434.40
BENTONE 38 (50)	50# sk	$152.93	88		88			6	$917.58
BENTONE 910 (50)	50# sk	$55.55	75		75			38	$2,110.90
BENTONE 990 (50)	50# sk	$88.61	69		69			65	$5,759.65
OPTI - MUL	gal	$11.40	660		660			1210	$13,794.00
OPTI - WET	gal	$8.84	935		935			770	$6,806.80
NEW PHALT	50# sk	$38.72	72		72			18	$696.96
OIL SORB (25)	25# sk	$4.75	15		15			32	$152.00
OPTIPLUS	gal	$48.40	935	-935				165	$7,986.00
OPTIPLUS	gal	$13.70		935	935				
NEW CARB (M)	50# sk	$5.63	126		126			11	$61.93
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05	120		120			90	$2,524.50
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	40		40				
MICA F (50)	50# sk	$10.38	40		40				
GRAPHITE - FINE (50)	50# sk	$25.59	64		64				
NEW WATE (SACK BARITE)	100# sk	$10.73	80		80				
BARITE BULK (100)	100# sk	$8.17	1300		1300			1350	$11,029.50
OPTI DRILL (OBM)	bbl	$75.00	2607		2566	41	$3,075.00	1012	$75,900.00
MAGNOLIA OWNDED OBM	bbl							455	
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	22	$21,780.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	22	$660.00
ENGINEERING (MILES)	each	$1.00						748	$748.00
Scale Ticket	each	$15.00						4	$60.00
TRUCKING (cwt)	each	$2.48						2028	$5,029.22
TRUCKING (min)	each	$812.50						1	$812.50
PALLETS (ea)	each	$12.50						34	$425.00
SHRINK WRAP (ea)	each	$12.50						23	$287.50
		Daily Sub-Total $5,404.52			**Cumulative Total $175,616.96**			**$175,616.96**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/06/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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 Received 10-5-21	gal	$2.63						1172	$3,082.36
Diesel Received 10-11-21	gal	$2.66						3200	$8,512.00
Diesel Received 10-11-21	gal	$2.66						7200	$19,152.00
Diesel Received 10-12-21	gal	$2.72						2500	$6,800.00
Diesel Received 10-15-21	gal	$2.70						4368	$11,793.60
Diesel Received 10-15-21	gal	$2.70							
Diesel transfer F/Bighorn Plains H02BH	gal	$2.76						11500	$31,740.00
Diesel Received 10-31-21	gal	$2.72						7200	$19,584.00
Diesel Received 11-1-21	gal	$2.72	4798		2444	2354	$6,402.88	4556	$12,392.32
Diesel Received 11-3-21	gal	$2.70	7000		7000				
Diesel Received 11-5-21	gal	$2.70		3000	3000				
PROCOR PRO V PLUS	25# sk		180		180			64	
PROCOR PRO X	25# sk		304		304				
PROCOR SWEEP AID	25# sk		288		288				
PROCOR SUPERCEAL	25# sk		200		200			64	

Daily Sub-Total $6,402.88 | **$113,056.28**

Cumulative Total AES & 3rd Party $288,673.24

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	BIGHORN PEAK H04 BH

		WEEK 1							WEEK 2							WEEK 3						
	Date	10/21/21	10/22/21	10/23/21	10/24/21	10/25/21	10/26/21	10/27/21	10/28/21	10/29/21	10/30/21	10/31/21	11/1/21	11/2/21	11/3/21	11/4/21	11/5/21	11/6/21	11/7/21	11/8/21	11/9/21	11/10/21
		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	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				
Grand Totals	Starting Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790	9,790	10,923	14,547	16,884	16,884	17,830	19,553			
	Ending Depth	3,025	3,025	3,025	3,025	3,025	3,025	3,100	8,342	9,790	9,790	9,790	10,923	14,547	16,884	16,884	17,830	19,553				
16,528	Footage Drilled	-	-	-	-	-	-	75	5,242	1,448	-	-	1,133	3,624	2,337	-	946	1,723	-	-	-	-
1,073	New Hole Vol.	-	-	-	-	-	-	7	497	137	-	-	50	160	103	-	42	76	-	-	-	-
	Starting System Volume		2,419	279	279	279	279	279	2,664	2,570	2,522	444	2,952	2,863	2,836	3,042	2,193	2,566	2,566	2,566	2,566	2,566
95	Chemical Additions							10	11	11		10	19	14	17		3					
1,039	Base Fluid Added							74	230	98	66	100	93	92	178		52	56				
94	Barite Increase								14	24				7	28	21						
8,110	Weighted Mud Added	2,419						2,362				2,398		310	207		414					
-	Slurry Added																					
721	Water Added								5				15	26	675							
-	Added for Washout																					
10,059	Total Additions	2,419	-	-	-	-	-	2,446	260	133	66	2,508	127	449	1,105	21	469	56	-	-	-	-
-	Surface Losses																					
1,456	Formation Loss												122	248	739	195	96	56				
887	Mud Loss to Cuttings							2	328	181			59	192	125							
781	Unrecoverable Volume										65		15	11	15	675						
189	Centrifuge Losses							59	26		39		20	25	20							
3,313	Total Losses	-	-	-	-	-	-	61	354	181	104	-	216	476	899	870	96	56	-	-	-	-
4,180	Mud Transferred Out		2,140								2,040											
2,566	Ending System Volume	2,419	279	279	279	279	279	2,664	2,570	2,522	444	2,952	2,863	2,836	3,042	2,193	2,566	2,566	2,566	2,566	2,566	2,566
-	Mud Recovered																					

3,930

Comments:		Comments:		Comments:	
10/21/21	Transferred 2,419bls from the HO2 to the HO4.	10/28/21	Lost 328bls to mud on cuttings and 26bls to centrifuge processing active system.	11/4/21	195bls lost downhole while bullheading fluid and stripping out of hole.
10/22/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	10/29/21	Lost 181bls to mud on cuttings while drilling and circulating hole clean.	11/5/21	96bls lost to hole filling backside with kill mud.
10/23/21		10/30/21	Lost 65bls to spacer interfaced dumped during cement job and 39bls to centrifuge maintaining and cutting MW back for next well.	11/6/21	Lost 56bls downhole to diesel added to drill water.
10/24/21		10/31/21		11/7/21	
10/25/21		11/1/21		11/8/21	
10/26/21		11/2/21	310 BBLS received from mudplant	11/9/21	
10/27/21	Lost 2bls to mud on cuttings and 59bls to centrifuge while cutting MW back to 8.8ppg for drill out.	11/3/21	207 BBLS received from mudplant	11/10/21	

11/07/21 **Report #14**

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

OUTSOURCE FLUID SOLUTIONS LLC.

87.5° **10,239' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**10/07/21**	**0 ft**	**19,553 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**0 ft/hr**	**Run Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / Chris Mayeux	**Tool Pusher**	**GIDDINGS**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	GELS	pH	API fl	% Solids	In Pits	295 bbl	Liner Size	4.75	Liner Size	4.75	Liner Size	
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**	In Hole	796 bbl	Stroke	12	Stroke	12	Stroke	
				11/7/21		11/6/21	Active	765 bbl	bbl/stk	0.0625	bbl/stk	0.0625	bbl/stk	0.0000
Time Sample Taken				0:30		13:00	Storage	949 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				pit		pit	Tot. on Location	2040 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.585	K = 26.563
Depth (ft)				19,553'		19,553'	Bit Depth = 12,183 '		Washout = 0%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.4		8.4	Drill String Disp.	Volume to Bit 224.1 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)			@ 89 °F	27		28		Bottoms Up Vol. 245.5 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				3		3	80.9 bbl	Riser Ann. Vol. -3.2 bbl	Riser Strokes				Riser Circ. Time	
300 rpm				2		2	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				1		1	Tubulars	OD (in.) ID (in.) Length Top					Unit	Screens Hours
100 rpm				1		1	Drill Pipe	5.500 4.768 1,775' 0'					Shaker 1	140
6 rpm				1		1	Hevi Wt	5.000 4.276 10,408' 1,775'					Shaker 2	140
3 rpm				1		1	Collars	12,183'					Shaker 3	140
Plastic Viscosity (cp)			@ 120 °F	1		1	Collars	12,183'					Desander	
Yield Point (lb/100 ft²)			T0 = 1	1		1	**CASING & HOLE DATA**						Desilter	
Gel Strength (lb/100 ft²)			10 sec/10 min	1/1		1/1	Casing	OD (in.) ID (in.) Depth Top					Centrifuge 1	
Gel Strength (lb/100 ft^2)			30 min	1		1	Riser	20 108'					**VOLUME ACCOUNTING (bbls)**	
API Filtrate / Cake Thickness							Surface	10 3/4 9.950 3,014' 108'					Prev. Total on Location	2565.9
HTHP Filtrate / Cake Thickness			@ 0 °F				Int. Csg.	7 5/8 6.875 9,779' 108'					Transferred In(+)/Out(-)	
Retort Solids Content				0.4%		0.4%	Washout 1						Oil Added (+)	45.8
Retort Oil Content							Washout 2						Barite Added (+)	13.9
Retort Water Content				99.6%		99.6%	Open Hole Size	6.750 19,553'					Other Product Usage (+)	0.0
Sand Content				0%		0%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	
M.B.T. (Methylene Blue Capacity) (ppb)							annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	0.0
pH				7.0		7.0							Lost Returns (-)	-585.8
Alkalinity, Mud Pm				0.1		0.1	0x5.5	108'	0.0		8.40		Non-Recoverable Vol. (-)	
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.2	6.875x5.5	1,775'	0.0	lam	8.40		Est. Total on Location	2039.8
Chlorides (mg/L)				1200		1200	6.875x5	9,779'	0.0	lam	8.40		Est. Losses/Gains (-)/(+)	0.0
Calcium (ppm)				200		240	6.75x5	12,183'	0.0	lam	8.40		**BIT HYDRAULICS DATA**	
Excess Lime (lb/bbl)													Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Average Specific Gravity of Solids				2.60	2.60	2.60								
Percent Low Gravity Solids				0.3%		0.3%							Bit Impact Force / Nozzle Velocity (ft/sec)	
Percent Drill Solids				0.3%		0.3%								
PPA Spurt / Total (ml) @			@ 0 °F				**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		P. Blair	6 3/4							

Remarks/Recommendations:

Slug Pit: Fresh water / Tank 7: 10.0ppg OBM / Tank 5&6: 17.0ppg Kill Mud

Plan Forward: Land casing, cement, & skid rig.

Total OBM Received (Consignment Volume): 2607bls

Ordered OBM required to complete next well.

Mud check derived from drill water in pit #8.

Rig Activity:

Backream out of hole to 17,636'. POOH on slips F/17,636' T/7,702'. SOOH F/7,702' T/2,961'. Filled backside while tripping with 9.1ppg/10.0ppg reserve OBM. Pumped 50 bbls 17.0ppg kill mud 3 times at 17,636 after backreaming, 9,785' at shoe, and 2,961' when removing trip nipple. Finished POOH F/2,961' and lay down BHA. R/U casing equipment and M/U shoe track. at pm report time for production casing run. Run 5" casing to 10,408'. Swap out casing tools and continue running 5 1/2" casing to 12,183' at report time. Filling casing with freshwater.

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

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

	Daily Total	Cumulative Cost
	$43,162.00	**$218,778.96**
INCLUDING 3RD PARTY CHARGES	**$48,395.28**	**$337,068.52**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/07/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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	$46.84	42		42			30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36	65		65			29	$1,199.44
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32	560		560			316	$4,525.12
LIME (50)	50# sk	$5.88	250		250			427	$2,510.76
OPTI - G	50# sk	$32.44	160		160			260	$8,434.40
BENTONE 38 (50)	50# sk	$152.93	88		88			6	$917.58
BENTONE 910 (50)	50# sk	$55.55	75		75			38	$2,110.90
BENTONE 990 (50)	50# sk	$88.61	69		69			65	$5,759.65
OPTI - MUL	gal	$11.40	660		660			1210	$13,794.00
OPTI - WET	gal	$8.84	935		935			770	$6,806.80
NEW PHALT	50# sk	$38.72	72		72			18	$696.96
OIL SORB (25)	25# sk	$4.75	15		7	8	$38.00	40	$190.00
OPTIPLUS	gal	$48.40						165	$7,986.00
OPTIPLUS	gal	$13.70	935		935				
NEW CARB (M)	50# sk	$5.63	126		126			11	$61.93
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05	120		120			90	$2,524.50
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	40		40				
MICA F (50)	50# sk	$10.38	40		40				
GRAPHITE - FINE (50)	50# sk	$25.59	64		64				
NEW WATE (SACK BARITE)	100# sk	$10.73	80		80				
BARITE BULK (100)	100# sk	$8.17	1300		1100	200	$1,634.00	1550	$12,663.50
OPTI DRILL (OBM)	bbl	$75.00	2566		2040	526	$39,450.00	1538	$115,350.00
MAGNOLIA OWNDED OBM	bbl							455	
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00				2	$1,980.00	24	$23,760.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	24	$720.00
ENGINEERING (MILES)	each	$1.00						748	$748.00
Scale Ticket	each	$15.00						4	$60.00
TRUCKING (cwt)	each	$2.48						2028	$5,029.22
TRUCKING (min)	each	$812.50						1	$812.50
PALLETS (ea)	each	$12.50						34	$425.00
SHRINK WRAP (ea)	each	$12.50						23	$287.50

Daily Sub-Total $43,162.00	Cumulative Total $218,778.96	$218,778.96

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/07/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	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 Received 10-5-21	gal	$2.63						1172	$3,082.36
Diesel Received 10-11-21	gal	$2.66						3200	$8,512.00
Diesel Received 10-11-21	gal	$2.66						7200	$19,152.00
Diesel Received 10-12-21	gal	$2.72						2500	$6,800.00
Diesel Received 10-15-21	gal	$2.70						4368	$11,793.60
Diesel Received 10-15-21	gal	$2.70							
Diesel transfer F/Bighorn Plains H02BH	gal	$2.76						11500	$31,740.00
Diesel Received 10-31-21	gal	$2.72						7200	$19,584.00
Diesel Received 11-1-21	gal	$2.72	2444		520	1924	$5,233.28	6480	$17,625.60
Diesel Received 11-3-21	gal	$2.70	7000		7000				
Diesel Received 11-5-21	gal	$2.70	3000		3000				
Diesel Received 11-6-21	gal	$2.66		7000	7000				
PROCOR PRO V PLUS	25# sk		180		180			64	
PROCOR PRO X	25# sk		304		304				
PROCOR SWEEP AID	25# sk		288		288				
PROCOR SUPERCEAL	25# sk		200		200			64	
					Daily Sub-Total $5,233.28			$118,289.56	

Cumulative Total AES & 3rd Party $337,068.52

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	**MAGNOLIA OIL & GAS**
Rig Name:	**248**
Well Name:	**BIGHORN PEAK H04 BH**

		WEEK 1							WEEK 2							WEEK 3						
	Date	**10/21/21**	**10/22/21**	**10/23/21**	**10/24/21**	**10/25/21**	**10/26/21**	**10/27/21**	**10/28/21**	**10/29/21**	**10/30/21**	**10/31/21**	**11/1/21**	**11/2/21**	**11/3/21**	**11/4/21**	**11/5/21**	**11/6/21**	**11/7/21**	**11/8/21**	**11/9/21**	**11/10/21**
		Thu	**Fri**	**Sat**	**Sun**	**Mon**	**Tue**	**Wed**	**Thu**	**Fri**	**Sat**	**Sun**	**Mon**	**Tue**	**Wed**	**Thu**	**Fri**	**Sat**	**Sun**	**Mon**	**Tue**	**Wed**
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	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	6 3/4	6 3/4			
Grand Totals	**Starting Depth**	**3,025**	**3,025**	**3,025**	**3,025**	**3,025**	**3,025**	**3,025**	**3,100**	**8,342**	**9,790**	**9,790**	**9,790**	**10,923**	**14,547**	**16,884**	**16,884**	**17,830**	**19,553**	**19,553**		
	Ending Depth	**3,025**	**3,025**	**3,025**	**3,025**	**3,025**	**3,025**	**3,100**	**8,342**	**9,790**	**9,790**	**9,790**	**10,923**	**14,547**	**16,884**	**16,884**	**17,830**	**19,553**	**19,553**			
16,528	**Footage Drilled**	**-**	**-**	**-**	**-**	**-**	**-**	**75**	**5,242**	**1,448**	**-**	**-**	**1,133**	**3,624**	**2,337**	**-**	**946**	**1,723**	**-**	**-**	**-**	**-**
1,073	**New Hole Vol.**	-	-	-	-	-	-	7	497	137	-	-	50	160	103	-	42	76	-	-	-	-
	Starting System Volume		**2,419**	**279**	**279**	**279**	**279**	**279**	**2,664**	**2,570**	**2,522**	**444**	**2,952**	**2,863**	**2,836**	**3,042**	**2,193**	**2,566**	**2,566**	**2,040**	**2,040**	**2,040**
95	**Chemical Additions**							10	11	11		10	19	14	17		3					
1,085	**Base Fluid Added**							74	230	98	66	100	93	92	178		52	56	46			
108	**Barite Increase**								14	24				7	28	21			14			
8,110	**Weighted Mud Added**	2,419						2,362				2,398		310	207		414					
-	**Slurry Added**																					
721	**Water Added**								5				15	26	675							
-	**Added for Washout**																					
10,119	**Total Additions**	**2,419**	**-**	**-**	**-**	**-**	**-**	**2,446**	**260**	**133**	**66**	**2,508**	**127**	**449**	**1,105**	**21**	**469**	**56**	**60**	**-**	**-**	**-**
-	**Surface Losses**																					
2,042	**Formation Loss**												122	248	739	195	96	56	586			
887	**Mud Loss to Cuttings**							2	328	181			59	192	125							
781	**Unrecoverable Volume**										65		15	11	15	675						
189	**Centrifuge Losses**							59	26		39		20	25	20							
3,899	**Total Losses**	**-**	**-**	**-**	**-**	**-**	**-**	**61**	**354**	**181**	**104**	**-**	**216**	**476**	**899**	**870**	**96**	**56**	**586**	**-**	**-**	**-**
4,180	**Mud Transferred Out**		2,140								2,040											
2,040	**Ending System Volume**	**2,419**	**279**	**279**	**279**	**279**	**279**	**2,664**	**2,570**	**2,522**	**444**	**2,952**	**2,863**	**2,836**	**3,042**	**2,193**	**2,566**	**2,566**	**2,040**	**2,040**	**2,040**	**2,040**
-	**Mud Recovered**																					

3,930

Comments:		***Comments:***		***Comments:***	
10/21/21	Transferred 2,419bls from the HO2 to the HO4.	**10/28/21**	Lost 328bls to mud on cuttings and 26bls to centrifuge processing active system.	**11/4/21**	195bls lost downhole while bullheading fluid and stripping out of hole.
10/22/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	**10/29/21**	Lost 181bls to mud on cuttings while drilling and circulating hole clean.	**11/5/21**	96bls lost to hole filling backside with kill mud.
10/23/21		**10/30/21**	Lost 65bls to spacer interfaced dumped during cement job and 39bls to centrifuge maintaining and cutting MW back for next well.	**11/6/21**	Lost 56bls downhole to diesel added to drill water.
10/24/21		**10/31/21**		**11/7/21**	Lost 586bls to formation while backreaming, tripping, and stripping out of hole.
10/25/21		**11/1/21**		**11/8/21**	
10/26/21		**11/2/21**	310 BBLS received from mudplant	**11/9/21**	
10/27/21	Lost 2bls to mud on cuttings and 59bls to centrifuge while cutting MW back to 8.8ppg for drill out.	**11/3/21**	207 BBLS received from mudplant	**11/10/21**	

11/08/21 **Report #15**

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**	**10/07/21**	**0 ft**	**19,553 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
BIGHORN PEAK H04 BH	**248**	**TEXAS**	**10/07/21**	**0 ft/hr**	**Skid Rig**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
Kevin Burt / Chris Mayeux	**Tool Pusher**	**GIDDINGS**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
Time Sample Taken						
Sample Location						
Flowline Temperature °F						
Depth (ft)						
Mud Weight (ppg)						
Funnel Vis (sec/qt) @ 89 °F						
600 rpm						
300 rpm						
200 rpm						
100 rpm						
6 rpm						
3 rpm						
Plastic Viscosity (cp) @ 120 °F						
Yield Point (lb/100 ft²) T0 =						
Gel Strength (lb/100 ft²) 10 sec/10 min						
Gel Strength (lb/100 ft^2) 30 min						
API Filtrate / Cake Thickness						
HTHP Filtrate / Cake Thickness @ 0 °F						
Retort Solids Content						
Retort Oil Content						
Retort Water Content						
Sand Content						
M.B.T. (Methylene Blue Capacity) (ppb)						
pH						
Alkalinity, Mud Pm						
Alkalinities, Filtrate Pf/Mf						
Chlorides (mg/L)						
Calcium (ppm)						
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids	2.60	2.60	2.60			
Percent Low Gravity Solids						
Percent Drill Solids						
PPA Spurt / Total (ml) @ @ 0 °F						
Estimated Total LCM in System ppb						
Sample Taken By	N. Dilly					

MUD VOLUME (BBL)

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

PUMP #1

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

PUMP #2

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

RISER BOOSTER

Liner Size	
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
	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'
Collars				0'
Collars				0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4		3,014'	108'
Int. Csg.	7 5/8		9,779'	108'
Prod.	5 1/2		9,135'	0'
Prod.	5		19,543'	9,135'
Open Hole Size	0.000		19,553'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type

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

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2039.8
Transferred In(+)/Out(-)	-1210.0
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Lost Returns (-)	-829.8
Non-Recoverable Vol. (-)	
Est. Total on Location	0.0
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Remarks/Recommendations:

Transfer 1210bls OBM to HO6.

Transfer all inventory to HO6.

Lost all OBM in hole to formation during cement job.

Rig Activity:

Run 5 1/2" casing to 19,543' washing down last 3 joints with freshwater. R/U TIW and cement crew. Pump 125bbls 17.0ppg kill mud down back side. Pump 40 bbls spacer @ 10.5 ppg, pump 319 bbls cement @ 13.5 ppg, and displace w/383bbls fresh water to bump plug. R/U cementers to kill line and pump top job with 40bls spacer @ 10.5ppg, 346bls lead cement @ 13.5ppg, and 50bls tail cement @14.8ppg. Rig down cement equipment and nipple down. Skidding rig at report time.

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

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

	Daily Total	Cumulative Cost
	$62,250.00	**$281,028.96**
INCLUDING 3RD PARTY CHARGES	**$62,250.00**	**$399,318.52**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/08/21	MAGNOLIA OIL & GAS	BIGHORN PEAK H04 BH	248	Report #15

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$46.84	42	-42				30	$1,405.20
PHPA LIQUID (pail)	5 gal	$41.36	65	-65				29	$1,199.44
EVO-LUBE	gal	$14.00							
NEW GEL (PREMIUM)	100# sk	$11.54							
ALUMINUM TRISTEARATE	25# sk	$81.16							
CACL2 (50)	50# sk	$14.32	560	-560				316	$4,525.12
LIME (50)	50# sk	$5.88	250	-250				427	$2,510.76
OPTI - G	50# sk	$32.44	160	-160				260	$8,434.40
BENTONE 38 (50)	50# sk	$152.93	88	-88				6	$917.58
BENTONE 910 (50)	50# sk	$55.55	75	-75				38	$2,110.90
BENTONE 990 (50)	50# sk	$88.61	69	-69				65	$5,759.65
OPTI - MUL	gal	$11.40	660	-660				1210	$13,794.00
OPTI - WET	gal	$8.84	935	-935				770	$6,806.80
NEW PHALT	50# sk	$38.72	72	-72				18	$696.96
OIL SORB (25)	25# sk	$4.75	7	-7				40	$190.00
OPTIPLUS	gal	$48.40						165	$7,986.00
OPTIPLUS	gal	$13.70	935	-935					
NEW CARB (M)	50# sk	$5.63	126	-126				11	$61.93
CYBERSEAL	25# sk	$24.40							
MAGMAFIBER F (25)	25# sk	$28.05	120	-120				90	$2,524.50
MAGMAFIBER R (30)	30# sk	$28.05							
VARISEAL	50# sk	$26.50							
FIBER PLUG	30# sk	$30.37							
NUT PLUG M (50)	50# sk	$10.51	40	-40					
MICA F (50)	50# sk	$10.38	40	-40					
GRAPHITE - FINE (50)	50# sk	$25.59	64	-64					
NEW WATE (SACK BARITE)	100# sk	$10.73	80	-80					
BARITE BULK (100)	100# sk	$8.17	1100	-1100				1550	$12,663.50
OPTI DRILL (OBM)	bbl	$75.00	2040	-1210		830	$62,250.00	2368	$177,600.00
MAGNOLIA OWNDED OBM	bbl							455	
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$990.00						24	$23,760.00
ENGINEERING (DIEM)	bbl	$30.00						24	$720.00
ENGINEERING (MILES)	each	$1.00						748	$748.00
Scale Ticket	each	$15.00						4	$60.00
TRUCKING (cwt)	each	$2.48						2028	$5,029.22
TRUCKING (min)	each	$812.50						1	$812.50
PALLETS (ea)	each	$12.50						34	$425.00
SHRINK WRAP (ea)	each	$12.50						23	$287.50

Daily Sub-Total $62,250.00	Cumulative Total $281,028.96	$281,028.96

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
11/08/21	**MAGNOLIA OIL & GAS**	**BIGHORN PEAK H04 BH**	**248**	**Report #15**

DAILY USAGE & COST									CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
Diesel Received 10-5-21	gal	$2.63							1172	$3,082.36
Diesel Received 10-11-21	gal	$2.66							3200	$8,512.00
Diesel Received 10-11-21	gal	$2.66							7200	$19,152.00
Diesel Received 10-12-21	gal	$2.72							2500	$6,800.00
Diesel Received 10-15-21	gal	$2.70							4368	$11,793.60
Diesel Received 10-15-21	gal	$2.70								
Diesel transfer F/Bighorn Plains H02BH	gal	$2.76							11500	$31,740.00
Diesel Received 10-31-21	gal	$2.72							7200	$19,584.00
Diesel Received 11-1-21	gal	$2.72	520	-520					6480	$17,625.60
Diesel Received 11-3-21	gal	$2.70	7000	-7000						
Diesel Received 11-5-21	gal	$2.70	3000	-3000						
Diesel Received 11-6-21	gal	$2.66	7000	-7000						
PROCOR PRO V PLUS	25# sk		180	-180					64	
PROCOR PRO X	25# sk		304	-304						
PROCOR SWEEP AID	25# sk		288	-288						
PROCOR SUPERCEAL	25# sk		200	-200					64	
										$118,289.56

Cumulative Total AES & 3rd Party $399,318.52

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	**MAGNOLIA OIL & GAS**
Rig Name:	**248**
Well Name:	**BIGHORN PEAK H04 BH**

		WEEK 1							WEEK 2							WEEK 3						
	Date	**10/21/21**	**10/22/21**	**10/23/21**	**10/24/21**	**10/25/21**	**10/26/21**	**10/27/21**	**10/28/21**	**10/29/21**	**10/30/21**	**10/31/21**	**11/1/21**	**11/2/21**	**11/3/21**	**11/4/21**	**11/5/21**	**11/6/21**	**11/7/21**	**11/8/21**	**11/9/21**	**11/10/21**
		Thu	**Fri**	**Sat**	**Sun**	**Mon**	**Tue**	**Wed**	**Thu**	**Fri**	**Sat**	**Sun**	**Mon**	**Tue**	**Wed**	**Thu**	**Fri**	**Sat**	**Sun**	**Mon**	**Tue**	**Wed**
	Bit Size	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	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	6 3/4	6 3/4	6 3/4		
Grand Totals	**Starting Depth**	**3,025**	**3,025**	**3,025**	**3,025**	**3,025**	**3,025**	**3,025**	**3,100**	**8,342**	**9,790**	**9,790**	**9,790**	**10,923**	**14,547**	**16,884**	**16,884**	**17,830**	**19,553**	**19,553**	**19,553**	
	Ending Depth	**3,025**	**3,025**	**3,025**	**3,025**	**3,025**	**3,025**	**3,100**	**8,342**	**9,790**	**9,790**	**9,790**	**10,923**	**14,547**	**16,884**	**16,884**	**17,830**	**19,553**	**19,553**	**19,553**		
16,528	**Footage Drilled**	**-**	**-**	**-**	**-**	**-**	**-**	**75**	**5,242**	**1,448**	**-**	**-**	**1,133**	**3,624**	**2,337**	**-**	**946**	**1,723**	**-**	**-**	**-**	**-**
1,073	**New Hole Vol.**	-	-	-	-	-	-	7	497	137	-	-	50	160	103	-	42	76	-	-	-	-
	Starting System Volume		**2,419**	**279**	**279**	**279**	**279**	**279**	**2,664**	**2,570**	**2,522**	**444**	**2,952**	**2,863**	**2,836**	**3,042**	**2,193**	**2,566**	**2,566**	**2,040**	**1,210**	**1,210**
95	**Chemical Additions**							10	11	11		10	19	14	17		3					
1,085	**Base Fluid Added**							74	230	98	66	100	93	92	178		52	56	46			
108	**Barite Increase**								14	24				7	28	21			14			
8,110	**Weighted Mud Added**	2,419						2,362				2,398		310	207		414					
-	**Slurry Added**																					
721	**Water Added**								5				15	26	675							
-	**Added for Washout**																					
10,119	**Total Additions**	**2,419**	**-**	**-**	**-**	**-**	**-**	**2,446**	**260**	**133**	**66**	**2,508**	**127**	**449**	**1,105**	**21**	**469**	**56**	**60**	**-**	**-**	**-**
-	**Surface Losses**																					
2,872	**Formation Loss**												122	248	739	195	96	56	586	830		
887	**Mud Loss to Cuttings**							2	328	181			59	192	125							
781	**Unrecoverable Volume**										65		15	11	15	675						
189	**Centrifuge Losses**							59	26		39		20	25	20							
4,729	**Total Losses**	**-**	**-**	**-**	**-**	**-**	**-**	**61**	**354**	**181**	**104**	**-**	**216**	**476**	**899**	**870**	**96**	**56**	**586**	**830**	**-**	**-**
4,180	**Mud Transferred Out**		2,140								2,040											
1,210	**Ending System Volume**	**2,419**	**279**	**279**	**279**	**279**	**279**	**2,664**	**2,570**	**2,522**	**444**	**2,952**	**2,863**	**2,836**	**3,042**	**2,193**	**2,566**	**2,566**	**2,040**	**1,210**	**1,210**	**1,210**
-	**Mud Recovered**																					

3,930

Comments:		***Comments:***		***Comments:***	
10/21/21	Transferred 2,419bls from the HO2 to the HO4.	**10/28/21**	Lost 328bls to mud on cuttings and 26bls to centrifuge processing active system.	**11/4/21**	195bls lost downhole while bullheading fluid and stripping out of hole.
10/22/21	Transferred 2,140bls from the HO4 to the HO6. Left 279bls in hole after cement job.	**10/29/21**	Lost 181bls to mud on cuttings while drilling and circulating hole clean.	**11/5/21**	96bls lost to hole filling backside with kill mud.
10/23/21		**10/30/21**	Lost 65bls to spacer interfaced dumped during cement job and 39bls to centrifuge maintaining and cutting MW back for next well.	**11/6/21**	Lost 56bls downhole to diesel added to drill water.
10/24/21		**10/31/21**		**11/7/21**	Lost 586bls to formation while backreaming, tripping, and stripping out of hole.
10/25/21		**11/1/21**		**11/8/21**	Lost 830bls to formation during casing run and cement job.
10/26/21		**11/2/21**	310 BBLS received from mudplant	**11/9/21**	
10/27/21	Lost 2bls to mud on cuttings and 59bls to centrifuge while cutting MW back to 8.8ppg for drill out.	**11/3/21**	207 BBLS received from mudplant	**11/10/21**	