04/29/20 **Report #1**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **3,000' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**3,000 ft**	**3,000 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**375 ft/hr**	**POOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**WBM**	**820 gpm**	**1,764 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**
						4/29/20
Time Sample Taken						2:00
Sample Location						suction
Flowline Temperature °F						90 °F
Depth (ft)						2,800'
Mud Weight (ppg)						9.2
Funnel Vis (sec/qt)			@ 80 °F			34
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			1/2
Gel Strength (lb/100 ft²)			30 min			4
API Filtrate / Cake Thickness						25/1
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content						6.4%
Retort Oil Content						
Retort Water Content						93.6%
Sand Content						1%
M.B.T. (Methylene Blue Capacity) (ppb)						
pH						8.8
Alkalinity, Mud Pm						0.1
Alkalinities, Filtrate Pf/Mf						0.1/0.2
Chlorides (mg/L)						400
Calcium (ppm)						80
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids	2.60	2.60				2.60
Percent Low Gravity Solids						6.4%
Percent Drill Solids						6.4%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By						

MUD VOLUME (BBL)

In Pits	750 bbl
In Hole	573 bbl
Active	1323 bbl
Storage	
Tot. on Location	1323 bbl

PUMP #1

Liner Size	6
Stroke	12
bbl/stk	0.0997
stk/min	98
gal/min	410

PUMP #2

Liner Size	6
Stroke	12
bbl/stk	0.0997
stk/min	98
gal/min	410

RISER BOOSTER

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

PHHP = 844 **CIRCULATION DATA** n = 0.737 K = 15.441

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

Drill String Disp.							
29.0 bbl	Volume to Bit	48.5 bbl	Strokes To Bit	487	Time To Bit	2 min
	Bottoms Up Vol.	524.9 bbl	BottomsUp Stks	5,266	BottomsUp Time	27 min
	Riser Ann. Vol.	35.3 bbl	Riser Strokes	354	Riser Circ. Time	2 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	2,479'	0'
Hevi Wt	5.000	3.000	399'	2,479'
Dir. BHA	8.000	2.875	122'	2,878'
				3,000'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20	19.000	108'	
Surface				108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	14.175		3,000'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
19x5	108'	59.8	lam	10.95
14.175x5	2,479'	114.3	turb	10.21
14.175x5	2,878'	114.3	turb	10.99
14.175x8	3,000'	146.9	turb	11.75

BIT DATA Manuf./Type Ulterra/SPL616

Size	Depth In	Hours	Footage	ROP ft/hr
13 1/2	108 ft	8.0	3,000 ft	375.0

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	0.0
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	3.1
Water Added (+)	2500.0
Left on Cuttings (-)	-351.3
Non-Recoverable Vol. (-)	
Discharged (-)	-825.4
Est. Total on Location	1326.3
Est. Losses/Gains (-)/(+)	-3.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.04	312 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		14	14	14
761 lbs	195			

Motor/MWD	Calc. Circ. Pressure
1,330 psi	2,184 psi

Remarks/Recommendations:

OBM transfer from 3H ------- 1198 bbls --- 9.5ppg

SWEEP: Fresh water 100bbls / 2sxs SAPP / 5gal DD

Pump 20bbls every 300' and 60-80bbls every 500'.

Dump sandtrap every 500', run centrifuge and mud cleaners while drilling /circulating

Rig Activity:

Skid Rig from 3H over to Grand Canyn A 1H. Cementing on the 3H while skid ther rig. Pick up 13.5" Bit and TIH to tag bottom. Spud In 17:00hrs 4/28/20. Drilled Surface hole with fresh water Treated with SAPP and Drilling Detergent. Maintain Mud Cleaning equipment running while drilling and or circulating. Dump Sand Trap every 500' to avoid accumulation of solids. Light Gombo up to surface around 1850', circulate for 15 min and resume drilling. Drilled surface hole to TD 3000' @ 03:00hrs 4/29/20. Circulate 2 Hi-Vis sweeps and start POOH to run Surface casing.

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

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

Daily Total	Cumulative Cost
$3,550.76	**$3,550.76**
INCLUDING 3RD PARTY CHARGES	**$3,550.76**	**$3,550.76**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
04/29/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #1

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE	25# sk	$162.83		38	38				
SAPP (50)	50# sk	$44.56		55	22	33	$1,470.48	33	$1,470.48
PHPA LIQUID (pail)	5 gal	$41.36		60	59	1	$41.36	1	$41.36
DYNADET	5 gal	$32.23		20	16	4	$128.92	4	$128.92
NEW WATE (SACK BARITE)	100# sk	$11.50		160	160				
BARITE BULK (100)	100# sk	$7.00		890	890				
OPTI DRILL (OBM)	bbl	$65.00		1237	1237				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	2	$1,850.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	2	$60.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65							
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00							
SHRINK WRAP (ea)	each	$12.00							

Daily Sub-Total $3,550.76	Cumulative Total $3,550.76	$3,550.76

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
04/29/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #1**

	DAILY USAGE & COST							CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91		7401	7401				

Cumulative Total AES & 3rd Party $3,550.76

04/30/20 **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**	**04/29/20**	**0 ft**	**3,000 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**0 ft/hr**	**Nipple Up/Test**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**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		Liner Size	6	Liner Size	6	Liner Size	
9.3-10.2	**8-20**	**5-12**	**>300**	**±250K**	**<10 <25**	**<10**	In Hole	278 bbl	Stroke	12	Stroke	12	Stroke	
				4/30/20			Active	0 bbl	bbl/stk	0.0997	bbl/stk	0.0997	bbl/stk	0.0000
Time Sample Taken				1:00			Storage	959 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				No Mud			Tot. on Location	1237 bbl	gal/min	0	gal/min	0	gal/min	0

Flowline Temperature °F				PHHP = 0	**CIRCULATION DATA**	
Depth (ft)				Bit Depth = '	Washout = 5%	Pump Efficiency = 95%
Mud Weight (ppg)				Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit / Time To Bit
Funnel Vis (sec/qt) @ 0 °F					Bottoms Up Vol. 0.0 bbl	BottomsUp Stks / BottomsUp Time
600 rpm				0.0 bbl	Riser Ann. Vol. 0.0 bbl	Riser Strokes / Riser Circ. Time

300 rpm				**DRILLING ASSEMBLY DATA**	**SOLIDS CONTROL**
200 rpm				Tubulars OD (in.) ID (in.) Length Top	Unit Screens Hours
100 rpm				0' 0'	Shaker 1 140-80
6 rpm				0'	Shaker 2 140-80
3 rpm				0'	Shaker 3 140-80
Plastic Viscosity (cp) @ 150 °F				0'	Centrifuge 1
Yield Point (lb/100 ft²) T0 =				**CASING & HOLE DATA**	Dryer Shaker 3
Gel Strength (lb/100 ft²) 10 sec/10 min				Casing OD (in.) ID (in.) Depth Top	Desilter
Gel Strength (lb/100 ft²) 30 min				Riser 20 108'	**VOLUME ACCOUNTING (bbls)**
HTHP Filtrate (cm/30 min) @ 250 °F				Surface 10 3/4 9.950 3,000' 108'	Prev. Total on Location 1323.4
HTHP Cake Thickness (32nds)				Int. Csg. 108'	Transferred In(+)/Out(-) 1237.0
Retort Solids Content				Washout 1	Oil Added (+) 0.0
Corrected Solids (vol%)				Washout 2	Barite Added (+) 0.0
Retort Oil Content				Open Hole Size 0.000 3,000'	Other Product Usage (+) 0.0
Retort Water Content				**ANNULAR GEOMETRY & RHEOLOGY**	Water Added (+)
O/W Ratio				annular section / meas. depth / velocity ft/min / flow reg / ECD lb/gal	Left on Cuttings (-) 0.0
Whole Mud Chlorides (mg/L)					WBM Discharge -1323.2
Water Phase Salinity (ppm)					
Whole Mud Alkalinity, Pom					Est. Total on Location 1237.2
Excess Lime (lb/bbl)					Est. Losses/Gains (-)/(+) 0.0
Electrical Stability (volts)					**BIT HYDRAULICS DATA**
Average Specific Gravity of Solids					Bit H.S.I. / Bit ΔP / Nozzles (32nds)
Percent Low Gravity Solids					
ppb Low Gravity Solids					Bit Impact Force / Nozzle Velocity (ft/sec)
Percent Barite					
ppb Barite				**BIT DATA** Manuf./Type	
Estimated Total LCM in System ppb				Size / Depth In / Hours / Footage / ROP ft/hr	Motor/MWD / Calc. Circ. Pressure
Sample Taken By	A. Roman	0	0		

Remarks/Recommendations:

OBM RECEIVED -------1237 bbls

OBM ON HAND ------- 1237 bbls (9.5ppg)

OBM DAILY GAIN / LOSS ----- (00)

Rig Activity:

POOH to run surface casing. Casing on bottom with no issues. Circulate BU and start Cementing operations. Cement casing with full returns at all times;Displace Cement with OBM 9.5ppg from storage. Cement back up to surface, divert same to open top tank for disposal. Transfer all WBM from active system to storage tanks for disposal. Clean pits from WBM and make preparatios to transfer OBM to active system. At time of report continue with Nipple Up BOP's operation to perform BOP testing...No Mud in the active system at this time.

Eng. 1:	Mike Washburn	Eng. 2:	Adolfo Roman	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:	Daily Total	Cumulative Cost
Phone:	361-945-5777	Phone:	956-821-9994	Phone:	432-686-7361	Phone:	-			
W P Y E C g G H O 0 2 2 0 2 1 1 1 1									**$3,437.83**	**$6,988.59**

INCLUDING 3RD PARTY CHARGES	**$3,437.83**	**$6,988.59**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
04/30/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #2

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE	25# sk	$162.83	38		38				
SAPP (50)	50# sk	$44.56	22		22			33	$1,470.48
PHPA LIQUID (pail)	5 gal	$41.36	59		59			1	$41.36
DYNADET	5 gal	$32.23	16		16			4	$128.92
CACL2 (50)	50# sk	$14.32	112	168	280				
LIME (50)	50# sk	$5.00	100	150	250				
BENTONE 910 (50)	50# sk	$59.40		40	40				
BENTONE 990 (50)	50# sk	$83.59		40	40				
OPTI - G	50# sk	$30.59		200	200				
OPTI - MUL	gal	$10.75		1100	1100				
OPTI - WET	gal	$8.34		825	825				
NEW PHALT	50# sk	$38.72		200	200				
NEW CARB (M)	50# sk	$5.25		180	180				
MAGMAFIBER F (25)	25# sk	$28.05		96	96				
OIL SORB (25)	25# sk	$4.75		80	80				
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	890		890				
OPTI DRILL (OBM)	bbl	$65.00	1237		1237				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	4	$3,700.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	4	$120.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65				359	$951.83	359	$951.83
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00				24	$288.00	24	$288.00
SHRINK WRAP (ea)	each	$12.00				24	$288.00	24	$288.00
		Daily Sub-Total $3,437.83			Cumulative Total $6,988.59			$6,988.59	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
04/30/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #2**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91	7401		7401				

Cumulative Total AES & 3rd Party $6,988.59

05/01/20 **Report #3**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **3,186' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**186 ft**	**3,186 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**186 ft/hr**	**Drilling Inter.**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**584 gpm**	**2,060 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9.3-10.2	**8-20**	**5-12**	**>300**	**±250K**	**<10 <25**	**<10**
				5/1/20		4/30/20
Time Sample Taken				2:00		14:00
Sample Location				suction		pit
Flowline Temperature °F						
Depth (ft)				3,000'		3,000'
Mud Weight (ppg)				9.6		9.5
Funnel Vis (sec/qt)			@ 90 °F	58		45
600 rpm				27		26
300 rpm				17		16
200 rpm				14		12
100 rpm				10		9
6 rpm				5		4
3 rpm				4		3
Plastic Viscosity (cp)			@ 150 °F	10		10
Yield Point (lb/100 ft²)			T0 = 3	7		6
Gel Strength (lb/100 ft²)			10 sec/10 min	4/7		3/5
Gel Strength (lb/100 ft^2)			30 min	10		6
HTHP Filtrate (cm/30 min)			@ 250 °F	12.0		12.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				11%		11%
Corrected Solids (vol%)				9%		9%
Retort Oil Content				65%		66%
Retort Water Content				24%		23%
O/W Ratio				73:27		74:26
Whole Mud Chlorides (mg/L)				50,000		51,000
Water Phase Salinity (ppm)				246,241		257,998
Whole Mud Alkalinity, Pom				2.0		1.5
Excess Lime (lb/bbl)				2.6 ppb		2 ppb
Electrical Stability (volts)				420 v		450 v
Average Specific Gravity of Solids				3.19		3.06
Percent Low Gravity Solids				4.7%		5.3%
ppb Low Gravity Solids				39 ppb		44 ppb
Percent Barite				4.3%		3.7%
ppb Barite				62 ppb		53 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman	0	M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	655 bbl	Liner Size	5.5	Liner Size	5.5	Liner Size	
In Hole	258 bbl	Stroke	12	Stroke	12	Stroke	
Active	913 bbl	bbl/stk	0.0837	bbl/stk	0.0837	bbl/stk	0.0000
Storage	1259 bbl	stk/min	83	stk/min	83	stk/min	
Tot. on Location	2172 bbl	gal/min	292	gal/min	292	gal/min	0

PHHP = 702 **CIRCULATION DATA** n = 0.667 K = 135.006

Bit Depth = 3,186 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.					
39.5 bbl	Volume to Bit	51.1 bbl	Strokes To Bit	611	Time To Bit 4 min
	Bottoms Up Vol.	206.9 bbl	BottomsUp Stks	2,470	BottomsUp Time 15 min
	Riser Ann. Vol.	-2.6 bbl	Riser Strokes	-31	Riser Circ. Time 0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	2,605'	0'
Hevi Wt	6.000	3.000	277'	2,605'
Dir. BHA	7.750	2.875	304'	2,882'
				3,186'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,000'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	10.369	3,186'		

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	-572.4		9.82
9.95x5	2,605'	193.4	lam	9.97
9.95x6	2,882'	227.2	turb	10.19
9.95x7.75	3,000'	367.5	turb	10.43
10.369x7.75	3,186'	301.6	turb	10.64

BIT DATA Manuf./Type Ulterra/SPL613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	3,000 ft	1.0	186 ft	186.0	1,330 psi	2,045 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	2.0
Shaker 2	140-80	2.0
Shaker 3	170-80	2.0
Centrifuge 1		
Dryer Shaker 3		
Desilter		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	1237.1
Transferred In(+)/Out(-)	934.0
Oil Added (+)	6.5
Barite Added (+)	0.0
Other Product Usage (+)	4.8
Water Added (+)	0.2
Left on Cuttings (-)	-10.7
Est. Total on Location	2172.0
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.73	165 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		14	14	14
402 lbs	138			

Remarks/Recommendations:

OBM RECEIVED -------2172 bbls

OBM ON HAND ------- 2172 bbls (9.5ppg)

OBM DAILY GAIN / LOSS ----- (00)

Rig Activity:

Transfer OBM from storage to active system. Receive OBM from Newpark plant in Madisonville, 934bbl 9.5#. Completed testing on BOP's, Pick up new BHA for intermediate drilling 9 7/8" hole. Wait on repairs (Pason / Hydrulics). TIH and tag top of float collar. Install Rotating head and start drilling shoe track + 10' of new formation. Perform FIT test to 11.6EMW 307psi. Increase pump rate to 730gpm and Resume drilling operations on Intermediate section.

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

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

Daily Total	Cumulative Cost
$5,839.90	**$12,828.49**
INCLUDING 3RD PARTY CHARGES	**$5,839.90**	**$12,828.49**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
05/01/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #3

DAILY USAGE & COST									CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
ALUMINUM TRISTEARATE	25# sk	$162.83	38		38					
SAPP (50)	50# sk	$44.56	22		22				33	$1,470.48
PHPA LIQUID (pail)	5 gal	$41.36	59		59				1	$41.36
DYNADET	5 gal	$32.23	16		16				4	$128.92
CACL2 (50)	50# sk	$14.32	280		260	20	$286.40		20	$286.40
LIME (50)	50# sk	$5.00	250		230	20	$100.00		20	$100.00
BENTONE 910 (50)	50# sk	$59.40	40		40					
BENTONE 990 (50)	50# sk	$83.59	40		40					
OPTI - G	50# sk	$30.59	200		200					
OPTI - MUL	gal	$10.75	1100		950	150	$1,612.50		150	$1,612.50
OPTI - WET	gal	$8.34	825		700	125	$1,042.50		125	$1,042.50
NEW PHALT	50# sk	$38.72	200		190	10	$387.20		10	$387.20
NEW CARB (M)	50# sk	$5.25	180		170	10	$52.50		10	$52.50
MAGMAFIBER F (25)	25# sk	$28.05	96		80	16	$448.80		16	$448.80
OIL SORB (25)	25# sk	$4.75	80		80					
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160					
BARITE BULK (100)	100# sk	$7.00	890		890					
OPTI DRILL (OBM)	bbl	$65.00	1237	934	2171					
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00		6	$5,550.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00		6	$180.00
ENGINEERING (MILES)	each	$1.00								
TRUCKING (cwt)	each	$2.65							359	$951.83
TRUCKING (min)	each	$795.00								
PALLETS (ea)	each	$12.00							24	$288.00
SHRINK WRAP (ea)	each	$12.00							24	$288.00

Daily Sub-Total $5,839.90 | **Cumulative Total $12,828.49** | **$12,828.49**

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
05/01/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #3**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91	7401		7401				

Cumulative Total AES & 3rd Party $12,828.49

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	5/1/20	5/2/20	5/3/20	5/4/20	5/5/20	5/6/20	5/7/20	5/8/20	5/9/20	5/10/20	5/11/20	5/12/20	5/13/20	5/14/20	5/15/20	5/16/20	5/17/20	5/18/20	5/19/20	5/20/20	5/21/20
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8																				
Grand Totals	Starting Depth	3,000	3,186																			
	Ending Depth	3,186																				
186	Footage Drilled	186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	New Hole Vol.	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,171	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172
5	Chemical Additions	5																				
7	Base Fluid Added	7																				
-	Barite Increase	-																				
-	Weighted Mud Added	-																				
-	Slurry Added	-																				
-	Water Added	-																				
-	Added for Washout	-																				
11	Total Additions	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses	-																				
-	Formation Loss	-																				
11	Mud Loss to Cuttings	11																				
-	Unrecoverable Volume	-																				
-	Centrifuge Losses	-																				
11	Total Losses	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out	-																				
2,172	Ending System Volume	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172	2,172
-	Mud Recovered	-																				

2,171

Comments:		Comments:		Comments:	
5/1/20	TIH and drill out shoe track. FIT 11.6EMW. Resume drilling on intermediate section. MW 9.7ppg	5/8/20		5/15/20	
5/2/20		5/9/20		5/16/20	
5/3/20		5/10/20		5/17/20	
5/4/20		5/11/20		5/18/20	
5/5/20		5/12/20		5/19/20	
5/6/20		5/13/20		5/20/20	
5/7/20		5/14/20		5/21/20	

05/02/20 **Report #4**

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

OUTSOURCE FLUID SOLUTIONS LLC.

4.8° **8,478' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**5,414 ft**	**8,600 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**246 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**753 gpm**	**3,327 psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9.3-10.2	**8-20**	**5-12**	**>300**	**±264K**	**<10 <25**	**<10**
				5/2/20		5/1/20
Time Sample Taken				2:00		11:30
Sample Location				suction		pit
Flowline Temperature °F				155 °F		138 °F
Depth (ft)				8,100'		5,942'
Mud Weight (ppg)				9.7		9.6
Funnel Vis (sec/qt)			@ 130 °F	50		52
600 rpm				39		38
300 rpm				25		24
200 rpm				20		16
100 rpm				15		13
6 rpm				7		7
3 rpm				6		6
Plastic Viscosity (cp)			@ 150 °F	14		14
Yield Point (lb/100 ft²)			T0 = 5	11		10
Gel Strength (lb/100 ft²)			10 sec/10 min	6/10		5/7
Gel Strength (lb/100 ft^2)			30 min	14		9
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				11%		11%
Corrected Solids (vol%)				8.7%		8.8%
Retort Oil Content				64%		63%
Retort Water Content				25%		26%
O/W Ratio				72:28		71:29
Whole Mud Chlorides (mg/L)				58,000		56,000
Water Phase Salinity (ppm)				266,752		252,471
Whole Mud Alkalinity, Pom				1.8		2.0
Excess Lime (lb/bbl)				2.3 ppb		2.6 ppb
Electrical Stability (volts)				457 v		410 v
Average Specific Gravity of Solids				3.29		3.12
Percent Low Gravity Solids				4%		4.9%
ppb Low Gravity Solids				33 ppb		41 ppb
Percent Barite				4.7%		3.9%
ppb Barite				67 ppb		56 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman	0	M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	844 bbl	Liner Size	5.5	Liner Size	5.5	Liner Size	
In Hole	734 bbl	Stroke	12	Stroke	12	Stroke	
Active	1578 bbl	bbl/stk	0.0837	bbl/stk	0.0837	bbl/stk	0.0000
Storage	734 bbl	stk/min	107	stk/min	107	stk/min	
Tot. on Location	2312 bbl	gal/min	376	gal/min	376	gal/min	0

CIRCULATION DATA — PHHP = 1461 — n = 0.642 K = 233.310

Bit Depth = 8,600 ' | Washout = 0% | Pump Efficiency = 95%

Drill String Disp.					
74.9 bbl	Volume to Bit	147.3 bbl	Strokes To Bit	1,759	Time To Bit 8 min
	Bottoms Up Vol.	586.5 bbl	BottomsUp Stks	7,003	BottomsUp Time 33 min
	Riser Ann. Vol.	-2.6 bbl	Riser Strokes	-31	Riser Circ. Time 0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	8,019'	0'
Hevi Wt	6.000	3.000	277'	8,019'
Dir. BHA	7.750	2.875	304'	8,296'
				8,600'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.950	3,000'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	9.875	8,600'		

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
0x5	108'	-738.0		9.91
9.95x5	3,000'	249.3	lam	10.13
9.875x5	8,019'	254.4	lam	10.22
9.875x6	8,296'	299.9	turb	10.42
9.875x7.75	8,600'	492.6	turb	10.67

BIT DATA — Manuf./Type Ulterra/SPL613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	3,000 ft	22.0	5,414 ft	246.1	1,330 psi	3,360 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140-80	24.0
Shaker 2	140-80	24.0
Shaker 3	140-80	24.0
Centrifuge 1		6.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2172.0
Transferred In(+)/Out(-)	
Oil Added (+)	199.5
Barite Added (+)	0.0
Other Product Usage (+)	17.8
Water Added (+)	111.3
Left on Cuttings (-)	-153.9
Evaporation	-15.0
Centrifuge Discharge	-20.0
Est. Total on Location	2311.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.59	276 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		14	14	14
675 lbs	178			

Remarks/Recommendations:

OBM RECEIVED -------2172 bbls

OBM ON HAND ------- 2312 bbls (9.5ppg)

OBM DAILY GAIN / LOSS ----- (+140bbls)

SWEEP: OBM/Magmafiber 5ppb / CalCarb200 10ppb / NewPhalt 10ppb

Pump 10bbls every 300' drilled after survey or slide.

Rig Activity:

Drilling (Rotating / Sliding) ahead on intermediate 9 7/8" hole. Maintain MW 9.6 to 9.7ppg, Constant additions of Diesel and Water for dilution and to offset Evaporation. Additions of Lime for Alkalinity, CaCl2 for WPS. Fluid loss at specs with introduction of Opti G and New Phalt. Transfer OBM from storage to maintain Volume as require to replace new hole volume. No Losses at this time, Shaker Screens monitor for wear and tear, replace as needed with higher API # to assist on solids removal.

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

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

	Daily Total	Cumulative Cost
	$11,452.33	**$24,280.82**
INCLUDING 3RD PARTY CHARGES	**$18,798.85**	**$31,627.34**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
05/02/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #4

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE	25# sk	$162.83	38		38				
SAPP (50)	50# sk	$44.56	22		22			33	$1,470.48
PHPA LIQUID (pail)	5 gal	$41.36	59		59			1	$41.36
DYNADET	5 gal	$32.23	16		16			4	$128.92
CACL2 (50)	50# sk	$14.32	260		203	57	$816.24	77	$1,102.64
LIME (50)	50# sk	$5.00	230		180	50	$250.00	70	$350.00
BENTONE 910 (50)	50# sk	$59.40	40		36	4	$237.60	4	$237.60
BENTONE 990 (50)	50# sk	$83.59	40		40				
OPTI - G	50# sk	$30.59	200		160	40	$1,223.60	40	$1,223.60
OPTI - MUL	gal	$10.75	950		825	125	$1,343.75	275	$2,956.25
OPTI - WET	gal	$8.34	700		550	150	$1,251.00	275	$2,293.50
NEW PHALT	50# sk	$38.72	190		153	37	$1,432.64	47	$1,819.84
NEW CARB (M)	50# sk	$5.25	170		150	20	$105.00	30	$157.50
MAGMAFIBER F (25)	25# sk	$28.05	80		65	15	$420.75	31	$869.55
OIL SORB (25)	25# sk	$4.75	80		75	5	$23.75	5	$23.75
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	890	920	1810				
OPTI DRILL (OBM)	bbl	$65.00	2171		2171				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	8	$7,400.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	8	$240.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65				920	$2,438.00	1279	$3,389.83
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						24	$288.00
SHRINK WRAP (ea)	each	$12.00						24	$288.00
		Daily Sub-Total $11,452.33			Cumulative Total $24,280.82			$24,280.82	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
05/02/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #4**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91	7401			7401	$6,734.91	7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87		7423	6720	703	$611.61	703	$611.61

Daily Sub-Total $7,346.52	**$7,346.52**

Cumulative Total AES & 3rd Party $31,627.34

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	5/1/20	5/2/20	5/3/20	5/4/20	5/5/20	5/6/20	5/7/20	5/8/20	5/9/20	5/10/20	5/11/20	5/12/20	5/13/20	5/14/20	5/15/20	5/16/20	5/17/20	5/18/20	5/19/20	5/20/20	5/21/20
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8																			
	Starting Depth	3,000	3,186	8,600																		
	Ending Depth	3,186	8,600																			
5,600	Footage Drilled	186	5,414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
530	New Hole Vol.	18	513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,171	2,172	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312
23	Chemical Additions	5	18																			
206	Base Fluid Added	7	199																			
-	Barite Increase	-	-																			
-	Weighted Mud Added	-	-																			
-	Slurry Added	-	-																			
111	Water Added	-	111																			
-	Added for Washout	-	-																			
339	Total Additions	11	328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses	-	-																			
-	Formation Loss	-	-																			
164	Mud Loss to Cuttings	11	153																			
15	Unrecoverable Volume	-	15																			
20	Centrifuge Losses	-	20																			
199	Total Losses	11	188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out	-																				
2,312	Ending System Volume	2,172	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312
-	Mud Recovered	-																				

2,171

Comments:		Comments:	Comments:
5/1/20	TIH and drill out shoe track. FIT 11.6EMW. Resume drilling on intermediate section. MW 9.7ppg	5/8/20	5/15/20
5/2/20	Drilling intermediate section, Constant additions of Diesel and fresh water. Run Centrifuge for solids control, change wore out screens with Higher API # .	5/9/20	5/16/20
5/3/20		5/10/20	5/17/20
5/4/20		5/11/20	5/18/20
5/5/20		5/12/20	5/19/20
5/6/20		5/13/20	5/20/20
5/7/20		5/14/20	5/21/20

05/03/20 **Report #5**

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

OUTSOURCE FLUID SOLUTIONS LLC.

18.6° **10,188' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**1,721 ft**	**10,330 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**82 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**753 gpm**	**3,706 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9.3-10.2	**8-20**	**5-12**	**>300**	**±264K**	**<10 <25**	**<10**
				5/3/20		5/2/20
Time Sample Taken				2:00		12:00
Sample Location				suction		shaker
Flowline Temperature °F				165 °F		158 °F
Depth (ft)				10,300'		9,432'
Mud Weight (ppg)				9.8		9.7
Funnel Vis (sec/qt)			@ 140 °F	48		53
600 rpm				42		43
300 rpm				26		27
200 rpm				21		22
100 rpm				16		18
6 rpm				7		7
3 rpm				6		6
Plastic Viscosity (cp)			@ 150 °F	16		16
Yield Point (lb/100 ft²)			T0 = 5	10		11
Gel Strength (lb/100 ft²)			10 sec/10 min	7/10		6/9
Gel Strength (lb/100 ft^2)			30 min	16		12
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		5.4
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				12%		11%
Corrected Solids (vol%)				9.8%		8.8%
Retort Oil Content				65%		65%
Retort Water Content				23%		24%
O/W Ratio				74:26		73:27
Whole Mud Chlorides (mg/L)				55,000		56,000
Water Phase Salinity (ppm)				272,715		267,875
Whole Mud Alkalinity, Pom				2.0		1.6
Excess Lime (lb/bbl)				2.6 ppb		2.1 ppb
Electrical Stability (volts)				466 v		455 v
Average Specific Gravity of Solids				3.26		3.30
Percent Low Gravity Solids				4.7%		4%
ppb Low Gravity Solids				39 ppb		33 ppb
Percent Barite				5.1%		4.8%
ppb Barite				73 ppb		69 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman	0	M Washburn

MUD VOLUME (BBL)

In Pits	799 bbl
In Hole	968 bbl
Active	1767 bbl
Storage	545 bbl
Tot. on Location	2312 bbl

PUMP #1

Liner Size	5.5
Stroke	12
bbl/stk	0.0837
stk/min	107
gal/min	376

PUMP #2

Liner Size	5.5
Stroke	12
bbl/stk	0.0837
stk/min	107
gal/min	376

RISER BOOSTER

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

PHHP = 1628 **CIRCULATION DATA** n = 0.692 K = 177.275

Bit Depth = 10,330 ' | Washout = 5% | Pump Efficiency = 95%

Drill String Disp.							
86.1 bbl	Volume to Bit	178.0 bbl	Strokes To Bit	2,126	Time To Bit	10 min
	Bottoms Up Vol.	789.9 bbl	BottomsUp Stks	9,432	BottomsUp Time	44 min
	TotalCirc.Vol.	1767.0 bbl	TotalCirc.Stks	21,098	Total Circ. Time	99 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	5.000	4.276	9,749'	0'
Hevi Wt	6.000	3.000	277'	9,749'
Dir. BHA	7.750	2.875	304'	10,026'
				10,330'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.950	3,000'	0'
Int. Csg.				0'
Washout 1				
Washout 2				
Open Hole Size	10.369		10,330'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
9.95x5	3,000'	249.3	turb	10.13
10.369x5	9,749'	223.6	lam	10.14
10.369x6	10,026'	258.0	turb	10.21
10.369x7.75	10,330'	388.8	turb	10.31

BIT DATA Manuf./Type Ulterra/SPL613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	3,000 ft	43.0	7,135 ft	165.9

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2311.8
Transferred In(+)/Out(-)	
Oil Added (+)	100.5
Barite Added (+)	21.6
Other Product Usage (+)	5.1
Water Added (+)	46.0
Left on Cuttings (-)	-107.8
Evaporation & Centrifuge	-65.1
Est. Total on Location	2311.9
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.61	280 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		14	14	14
685 lbs	178			

Motor/MWD	Calc. Circ. Pressure
1,330 psi	3,669 psi

Remarks/Recommendations:

OBM RECEIVED -------2172 bbls

OBM ON HAND ------- 2312 bbls (9.5ppg)

OBM DAILY GAIN/LOSS----(0) / Total--(+140bbls)

SWEEP: OBM/Magmafiber 5ppb / CalCarb200 10ppb / NewPhalt 10ppb

Pump 10bbls every 300' drilled after survey or slide.

Rig Activity:

Drilling (Rotating / Sliding) ahead on intermediate 9 7/8" hole. Increase MW 9.8ppg, with additions of Barite. Constant additions of Diesel and Water for dilution and to offset Evaporation. Additions of Lime for Alkalinity, CaCl2 for WPS. Maintain Fluid loss with additions of Opti G and New Phalt. Transfer OBM from storage to maintain Volume and for sweeps build as require. No Losses at this time, Upon sweeps returns shakers load increase 50-60% more on cuttings, running trash pump for Jet lines on flow line, for conveyance of cuttings. Centrifuge running from the active system 1hr on 1hr off for solids control on active system.

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

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

	Daily Total	Cumulative Cost
	$6,288.66	**$30,569.48**
INCLUDING 3RD PARTY CHARGES	**$9,960.06**	**$41,587.40**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
05/03/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #5

DAILY USAGE & COST								CUMULATIVE	
Item	**Unit**	**Unit Cost**	**Previous Inventory**	**Received**	**Closing Inventory**	**Daily Usage**	**Daily Cost**	**Cum Usage**	**Cum Cost**
ALUMINUM TRISTEARATE	25# sk	$162.83	38	-38					
SAPP (50)	50# sk	$44.56	22	-15		7	$311.92	40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36	59	-61		-2	-$82.72	-1	-$41.36
DYNADET	5 gal	$32.23	16	-24		-8	-$257.84	-4	-$128.92
CACL2 (50)	50# sk	$14.32	203		196	7	$100.24	84	$1,202.88
LIME (50)	50# sk	$5.00	180		150	30	$150.00	100	$500.00
BENTONE 910 (50)	50# sk	$59.40	36		34	2	$118.80	6	$356.40
BENTONE 990 (50)	50# sk	$83.59	40		40				
OPTI - G	50# sk	$30.59	160		150	10	$305.90	50	$1,529.50
OPTI - MUL	gal	$10.75	825		825			275	$2,956.25
OPTI - WET	gal	$8.34	550		550			275	$2,293.50
NEW PHALT	50# sk	$38.72	153		140	13	$503.36	60	$2,323.20
NEW CARB (M)	50# sk	$5.25	150		140	10	$52.50	40	$210.00
MAGMAFIBER F (25)	25# sk	$28.05	65		60	5	$140.25	36	$1,009.80
OIL SORB (25)	25# sk	$4.75	75		60	15	$71.25	20	$95.00
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	1810		1500	310	$2,170.00	310	$2,170.00
OPTI DRILL (OBM)	bbl	$65.00	2171		2171				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	10	$9,250.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	10	$300.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1279	$3,389.83
TRUCKING (min)	each	$795.00				1	$795.00	1	$795.00
PALLETS (ea)	each	$12.00						24	$288.00
SHRINK WRAP (ea)	each	$12.00						24	$288.00

Daily Sub-Total $6,288.66 | **Cumulative Total $30,569.48** | **$30,569.48**

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
05/03/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #5

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91						7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87	6720		2500	4220	$3,671.40	4923	$4,283.01
						Daily Sub-Total	$3,671.40		$11,017.92

Cumulative Total AES & 3rd Party $41,587.40

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	5/1/20	5/2/20	5/3/20	5/4/20	5/5/20	5/6/20	5/7/20	5/8/20	5/9/20	5/10/20	5/11/20	5/12/20	5/13/20	5/14/20	5/15/20	5/16/20	5/17/20	5/18/20	5/19/20	5/20/20	5/21/20
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8																		
	Starting Depth	3,000	3,186	8,600	10,330																	
	Ending Depth	3,186	8,600	10,330																		
7,330	Footage Drilled	186	5,414	1,730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
695	New Hole Vol.	18	513	164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,171	2,172	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312
28	Chemical Additions	5	18	5																		
306	Base Fluid Added	7	199	101																		
22	Barite Increase	-	-	22																		
-	Weighted Mud Added	-	-	-																		
-	Slurry Added	-	-	-																		
157	Water Added	-	111	46																		
-	Added for Washout	-	-																			
513	Total Additions	11	328	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses	-	-	-																		
-	Formation Loss	-	-	-																		
272	Mud Loss to Cuttings	11	153	108																		
56	Unrecoverable Volume	-	15	41																		
44	Centrifuge Losses	-	20	24																		
372	Total Losses	11	188	173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out	-	-	-																		
2,312	Ending System Volume	2,172	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312	2,312
-	Mud Recovered	-																				

2,171

Comments:		Comments:	Comments:
5/1/20	TIH and drill out shoe track. FIT 11.6EMW. Resume drilling on intermediate section. MW 9.7ppg	5/8/20	5/15/20
5/2/20	Drilling intermediate section, Constant additions of Diesel and fresh water. Run Centrifuge for solids control, change wore out screens with Higher API # .	5/9/20	5/16/20
5/3/20	Drilling ahead on intermediate setion. Maintain dilution rates and chemical addition for properties.	5/10/20	5/17/20
5/4/20		5/11/20	5/18/20
5/5/20		5/12/20	5/19/20
5/6/20		5/13/20	5/20/20
5/7/20		5/14/20	5/21/20

05/04/20 **Report #6**

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

OUTSOURCE FLUID SOLUTIONS LLC.

21.1° **10,188' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**5 ft**	**10,335 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**0 ft/hr**	**RUN 7 5/8 INT CSG**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**281 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	790 bbl	Liner Size	5.5	Liner Size	5.5	Liner Size	
9.3-10.2	**8-20**	**5-12**	**>300**	**±264K**	**<10 <25**	**<10**	In Hole	945 bbl	Stroke	12	Stroke	12	Stroke	
				5/4/20		5/3/20	Active	1735 bbl	bbl/stk	0.0837	bbl/stk	0.0837	bbl/stk	0.0000
Time Sample Taken				2:00		13:00	Storage	545 bbl	stk/min	80	stk/min		stk/min	
Sample Location				suction		suction	Tot. on Location	2280 bbl	gal/min	281	gal/min	0	gal/min	0

Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**						n = 0.716	K = 164.036
Depth (ft)				10,335'		10,335'	Bit Depth = 10,330 '			Washout = 5%			Pump Efficiency = 95%			
Mud Weight (ppg)				10.1		9.8	Drill String Disp.	Volume to Bit	474.3 bbl	Strokes To Bit	5,663		Time To Bit	71 min		
Funnel Vis (sec/qt)	@ 90 °F			58		49		Bottoms Up Vol.	470.7 bbl	BottomsUp Stks	5,620		BottomsUp Time	70 min		
600 rpm				46		44	109.1 bbl	TotalCirc.Vol.	1735.0 bbl	TotalCirc.Stks	20,716		Total Circ. Time	259 min		
300 rpm				28		28	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**			
200 rpm				24		22	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours	
100 rpm				19		17	Casing	7.625	6.875	10,330'	0'		Shaker 1	140-80	18.0	
6 rpm				8		7	Hevi Wt				10,330'		Shaker 2	140-80	18.0	
3 rpm				6		6	Dir. BHA				10,330'		Shaker 3	140-80	18.0	
Plastic Viscosity (cp)	@ 150 °F			18		16					10,330'		Centrifuge 1			
Yield Point (lb/100 ft²)	T0 = 4			10		12	**CASING & HOLE DATA**									
Gel Strength (lb/100 ft²)	10 sec/10 min			7/11		7/9	Casing	OD (in.)	ID (in.)	Depth	Top					
Gel Strength (lb/100 ft^2)	30 min			16		14	Riser						**VOLUME ACCOUNTING (bbls)**			
HTHP Filtrate (cm/30 min)	@ 250 °F			6.0		6.0	Surface	10 3/4	9.950	3,000'	0'		Prev. Total on Location			2312.0
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.				0'		Transferred In(+)/Out(-)			
Retort Solids Content				13%		12%	Washout 1						Oil Added (+)			11.9
Corrected Solids (vol%)				10.8%		9.8%	Washout 2						Barite Added (+)			0.0
Retort Oil Content				64%		65%	Open Hole Size	10.369	10,335'				Other Product Usage (+)			0.0
Retort Water Content				23%		23%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)			10.0
O/W Ratio				74:26		74:26	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)			-0.5
Whole Mud Chlorides (mg/L)				54,000		55,500							Evaporation & Centrifuge			-22.8
Water Phase Salinity (ppm)				269,091		274,514							Non-Recoverable Vol. (-)			-30.0
Whole Mud Alkalinity, Pom				1.8		1.9	9.95x7.625	3,000'	168.8	lam	10.59		Est. Total on Location			2280.5
Excess Lime (lb/bbl)				2.3 ppb		2.5 ppb	10.369x7.625	10,330'	139.7	lam	10.52		Est. Losses/Gains (-)/(+)			0.0
Electrical Stability (volts)				465 v		480 v							**BIT HYDRAULICS DATA**			
Average Specific Gravity of Solids				3.32		3.20							Bit H.S.I.	Bit ΔP	Nozzles (32nds)	
Percent Low Gravity Solids				4.8%		5.1%										
ppb Low Gravity Solids				40 ppb		42 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)		
Percent Barite				6%		4.7%										
ppb Barite				86 ppb		68 ppb	**BIT DATA**		Manuf./Type							
Estimated Total LCM in System	ppb						Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure	
Sample Taken By				A. Roman	0	M Washburn	9 7/8									

Remarks/Recommendations:

OBM RECEIVED -------2172 bbls

OBM ON HAND ------- 2280 bbls (9.5ppg)

OBM DAILY GAIN/LOSS----(-32) / Total--(+108bbls)

Rig Activity:

Rig up casing running tools, start running 7 5/8" / 29.7# / P110 Intermediate casing in the hole. Brake circulation every 2000'. Casing on bottom with no issues, MW in the active system increase due to Temperature change and Hevy slug been displace from well bore. Additions of Diesel to Active system to Decrease and maintain MW @9.8ppg for cementing. Once cementing is completed, will reduce MW to 9.5ppg for next Intermediate section on Levi Goodrich U2-3H. Cement will be displace with OBM from active system, leaving behind 471bbl of OBM. Rigging up Cementing equipment at the time of report

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

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

$1,910.00 **$32,479.48**

INCLUDING 3RD PARTY CHARGES **$2,345.00** **$43,932.40**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
05/04/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #6

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36						-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
CACL2 (50)	50# sk	$14.32	196		196			84	$1,202.88
LIME (50)	50# sk	$5.00	150		150			100	$500.00
BENTONE 910 (50)	50# sk	$59.40	34		34			6	$356.40
BENTONE 990 (50)	50# sk	$83.59	40		40				
OPTI - G	50# sk	$30.59	150		150			50	$1,529.50
OPTI - MUL	gal	$10.75	825		825			275	$2,956.25
OPTI - WET	gal	$8.34	550		550			275	$2,293.50
NEW PHALT	50# sk	$38.72	140		140			60	$2,323.20
NEW CARB (M)	50# sk	$5.25	140		140			40	$210.00
MAGMAFIBER F (25)	25# sk	$28.05	60		60			36	$1,009.80
OIL SORB (25)	25# sk	$4.75	60		60			20	$95.00
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	1500		1500			310	$2,170.00
OPTI DRILL (OBM)	bbl	$65.00	2171		2171				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	12	$11,100.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	12	$360.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1279	$3,389.83
TRUCKING (min)	each	$795.00						1	$795.00
PALLETS (ea)	each	$12.00						24	$288.00
SHRINK WRAP (ea)	each	$12.00						24	$288.00
		Daily Sub-Total $1,910.00			**Cumulative Total $32,479.48**			**$32,479.48**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
05/04/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #6**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91						7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87	2500		2000	500	$435.00	5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96		7199	7199				

Daily Sub-Total $435.00		**$11,452.92**

Cumulative Total AES & 3rd Party $43,932.40

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	5/1/20	5/2/20	5/3/20	5/4/20	5/5/20	5/6/20	5/7/20	5/8/20	5/9/20	5/10/20	5/11/20	5/12/20	5/13/20	5/14/20	5/15/20	5/16/20	5/17/20	5/18/20	5/19/20	5/20/20	5/21/20
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8																	
	Starting Depth	3,000	3,186	8,600	10,330	10,335																
	Ending Depth	3,186	8,600	10,330	10,335																	
7,335	Footage Drilled	186	5,414	1,730	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
695	New Hole Vol.	18	513	164	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,171	2,172	2,312	2,312	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280
28	Chemical Additions	5	18	5	-																	
318	Base Fluid Added	7	199	101	12																	
22	Barite Increase	-	-	22	-																	
-	Weighted Mud Added	-	-	-	-																	
-	Slurry Added	-	-	-	-																	
167	Water Added	-	111	46	10																	
-	Added for Washout	-	-		-																	
535	Total Additions	11	328	174	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	Surface Losses	-	-	-	31																	
-	Formation Loss	-	-	-	-																	
272	Mud Loss to Cuttings	11	153	108	-																	
67	Unrecoverable Volume	-	15	41	11																	
56	Centrifuge Losses	-	20	24	12																	
426	Total Losses	11	188	173	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out	-	-	-	-																	
2,280	Ending System Volume	2,172	2,312	2,312	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280
-	Mud Recovered	-																				

2,171

Comments:		Comments:	Comments:
5/1/20	TIH and drill out shoe track. FIT 11.6EMW. Resume drilling on intermediate section. MW 9.7ppg	5/8/20	5/15/20
5/2/20	Drilling intermediate section, Constant additions of Diesel and fresh water. Run Centrifuge for solids control, change wore out screens with Higher API # .	5/9/20	5/16/20
5/3/20	Drilling ahead on intermediate setion. Maintain dilution rates and chemical addition for properties.	5/10/20	5/17/20
5/4/20	POOH lay down BHA, Pick up Intermediate casing and run in the hole to bottom. Circulate BU prior to cementing. Will Displace cement with OBM from Active system. 31bbls losst on trip and Casing run.	5/11/20	5/18/20
5/5/20		5/12/20	5/19/20
5/6/20		5/13/20	5/20/20
5/7/20		5/14/20	5/21/20

05/05/20 **Report #7**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**		**10,335 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**		
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**0 gpm**	

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9.3-10.2	**8-20**	**5-12**	**>300**	**±264K**	**<10 <25**	**<10**
				5/4/20		5/4/20
Time Sample Taken				2:00		13:00
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				10,335'		10,335'
Mud Weight (ppg)				10.1		10.1
Funnel Vis (sec/qt)			@ 110 °F	58		56
600 rpm				46		45
300 rpm				28		27
200 rpm				24		22
100 rpm				19		16
6 rpm				8		7
3 rpm				6		6
Plastic Viscosity (cp)			@ 150 °F	18		18
Yield Point (lb/100 ft²)			T0 = 4	10		9
Gel Strength (lb/100 ft²)			10 sec/10 min	7/11		6/10
Gel Strength (lb/100 ft^2)			30 min	16		14
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				13%		13%
Corrected Solids (vol%)				10.8%		10.8%
Retort Oil Content				64%		64%
Retort Water Content				23%		23%
O/W Ratio				74:26		74:26
Whole Mud Chlorides (mg/L)				54,000		54,500
Water Phase Salinity (ppm)				269,091		270,907
Whole Mud Alkalinity, Pom				1.8		1.7
Excess Lime (lb/bbl)				2.3 ppb		2.2 ppb
Electrical Stability (volts)				465 v		445 v
Average Specific Gravity of Solids				3.32		3.31
Percent Low Gravity Solids				4.8%		4.9%
ppb Low Gravity Solids				40 ppb		40 ppb
Percent Barite				6%		6%
ppb Barite				86 ppb		86 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman	0	M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	0 bbl	Liner Size	5.75	Liner Size	5.75	Liner Size	
In Hole	470 bbl	Stroke	12	Stroke	12	Stroke	
Active	0 bbl	bbl/stk	0.0915	bbl/stk	0.0915	bbl/stk	0.0000
Storage	0 bbl	stk/min	0	stk/min		stk/min	
Tot. on Location	470 bbl	gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA — PHHP = 0 — n = 0.716 K = 164.036

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

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

DRILLING ASSEMBLY DATA

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

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	0'
Int. Csg.	7 5/8	6.875	10,245'	0'
Washout 1				
Washout 2				
Open Hole Size	0.000		10,335'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA — Manuf./Type

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

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	470.4
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Non-Recoverable Vol. (-)	
Spacer Interface	
Est. Total on Location	470.4
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Remarks/Recommendations:

OBM Transfer out to next well-------1730 bbls

OBM ON HAND ------- 470 bbls (9.5ppg)

470 bbls OBM left in Intermediate Casing.

Rig Activity:

Cement job completed. Secure Well and start on Skid rig operations. Transfer all sack and Liquid material to next well Levi Goodrich U2-3H. 470bbls of OBM left inside Intermediate Casing. Transfer 1730bbls to next well to resume drilling on Intermediate section. Mud in the active system cut back to 9.5ppg. No cost on this report, as it is only for the transfering of material and Liquid Mud.

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

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

	Daily Total	Cumulative Cost
	$0.00	**$32,479.48**
INCLUDING 3RD PARTY CHARGES	**$0.00**	**$43,932.40**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
05/05/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #7

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE	25# sk	$162.83							
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36						-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
CACL2 (50)	50# sk	$14.32						84	$1,202.88
LIME (50)	50# sk	$5.00						100	$500.00
BENTONE 910 (50)	50# sk	$59.40						6	$356.40
BENTONE 990 (50)	50# sk	$83.59							
OPTI - G	50# sk	$30.59						50	$1,529.50
OPTI - MUL	gal	$10.75						275	$2,956.25
OPTI - WET	gal	$8.34						275	$2,293.50
NEW PHALT	50# sk	$38.72						60	$2,323.20
NEW CARB (M)	50# sk	$5.25						40	$210.00
MAGMAFIBER F (25)	25# sk	$28.05						36	$1,009.80
OIL SORB (25)	25# sk	$4.75						20	$95.00
NEW WATE (SACK BARITE)	100# sk	$11.50							
BARITE BULK (100)	100# sk	$7.00						310	$2,170.00
OPTI DRILL (OBM)	bbl	$65.00	470		470				
ENGINEERING (24 HR)	each	$925.00						12	$11,100.00
ENGINEERING (DIEM)	bbl	$30.00						12	$360.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1279	$3,389.83
TRUCKING (min)	each	$795.00						1	$795.00
PALLETS (ea)	each	$12.00						24	$288.00
SHRINK WRAP (ea)	each	$12.00						24	$288.00
					Cumulative Total	$32,479.48		$32,479.48	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
05/05/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #7

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91						7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87						5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96							
									$11,452.92

Cumulative Total AES & 3rd Party $43,932.40

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	5/1/20	5/2/20	5/3/20	5/4/20	5/5/20	5/6/20	5/7/20	5/8/20	5/9/20	5/10/20	5/11/20	5/12/20	5/13/20	5/14/20	5/15/20	5/16/20	5/17/20	5/18/20	5/19/20	5/20/20	5/21/20
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	9 7/8																
	Starting Depth	3,000	3,186	8,600	10,330	10,335	10,335															
	Ending Depth	3,186	8,600	10,330	10,335	10,335																
7,335	Footage Drilled	186	5,414	1,730	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
695	New Hole Vol.	18	513	164	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,171	2,172	2,312	2,312	2,280	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470
28	Chemical Additions	5	18	5	-	-																
318	Base Fluid Added	7	199	101	12	-																
22	Barite Increase	-	-	22	-	-																
-	Weighted Mud Added	-	-	-	-	-																
-	Slurry Added	-	-	-	-	-																
167	Water Added	-	111	46	10	-																
-	Added for Washout	-	-		-	-																
535	Total Additions	11	328	174	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	Surface Losses	-	-	-	31	40																
-	Formation Loss	-	-	-	-	-																
272	Mud Loss to Cuttings	11	153	108	-	-																
87	Unrecoverable Volume	-	15	41	11	20																
76	Centrifuge Losses	-	20	24	12	20																
506	Total Losses	11	188	173	54	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,730	Mud Transferred Out	-	-	-	-	1,730																
470	Ending System Volume	2,172	2,312	2,312	2,280	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470
-	Mud Recovered	-																				

441

Comments:		Comments:	Comments:
5/1/20	TIH and drill out shoe track. FIT 11.6EMW. Resume drilling on intermediate section. MW 9.7ppg	5/8/20	5/15/20
5/2/20	Drilling intermediate section, Constant additions of Diesel and fresh water. Run Centrifuge for solids control, change wore out screens with Higher API # .	5/9/20	5/16/20
5/3/20	Drilling ahead on intermediate setion. Maintain dilution rates and chemical addition for properties.	5/10/20	5/17/20
5/4/20	POOH lay down BHA, Pick up Intermediate casing and run in the hole to bottom. Circulate BU prior to cementing. Will Displace cement with OBM from Active system. 31bbls losst on trip and Casing run.	5/11/20	5/18/20
5/5/20	Transfer OBM to next well, Levi Goodrich U2-3H. 470bbls left inside Intermediate Casing. All sack material transfer as well.	5/12/20	5/19/20
5/6/20		5/13/20	5/20/20
5/7/20		5/14/20	5/21/20

06/23/20 **Report #9**

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

OUTSOURCE FLUID SOLUTIONS LLC.

12.1° **5,238' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**0 ft**	**10,335 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**0 ft/hr**	**TIH / FIT**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**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	943 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
8.9-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**	In Hole	443 bbl	Stroke	12	Stroke	12	Stroke	
				6/23/20		6/22/20	Active	1154 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				2:00		13:00	Storage	1898 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				suction		In Csg.	Tot. on Location	3284 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.737 K = 77.206	
Depth (ft)				10,335'		10,335'	Bit Depth = 5,300 '		Washout = 1%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.3		10.1	Drill String Disp.	Volume to Bit 73.6 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)		@ 90 °F		43		56		Bottoms Up Vol. 137.8 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				25		45	31.9 bbl	TotalCirc.Vol. 1154.4 bbl	TotalCirc.Stks				Total Circ. Time	
300 rpm				15		27	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				10		22	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				7		16	Drill Pipe	4.500	3.826	2,513'	0'		Shaker 1	170	12.0
6 rpm				5		7	Agitator	5.250	2.500	32'	2,513'		Shaker 2	170	12.0
3 rpm				4		6	Drill Pipe	4.500	3.826	2,609'	2,546'		Shaker 3	170	12.0
Plastic Viscosity (cp)		@ 150 °F		10		18	Dir. BHA	5.250	2.000	146'	5,154'		Centrifuge 1		
Yield Point (lb/100 ft²)		T0 = 3		5		9	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)		10 sec/10 min		5/9		6/10	Casing	OD (in.)	ID (in.)	Depth	Top				
Gel Strength (lb/100 ft^2)		30 min		12		14	Riser						**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)		@ 250 °F		8.0		6.0	Surface	10 3/4		3,000'	0'		Prev. Total on Location		3310.4
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,245'	0'		Transferred In(+)/Out(-)		-26.9
Retort Solids Content				10%		13%	Washout 1						Oil Added (+)		0.0
Corrected Solids (vol%)				8.3%		10.8%	Washout 2						Barite Added (+)		0.0
Retort Oil Content				70%		64%	Open Hole Size		6.818	10,335'			Other Product Usage (+)		0.0
Retort Water Content				20%		23%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		
O/W Ratio				78:22		74:26	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		0.0
Whole Mud Chlorides (mg/L)				43,000		54,500									
Water Phase Salinity (ppm)				252,134		270,907									
Whole Mud Alkalinity, Pom				1.0		1.7	6.875x4.5	2,513'	0.0	lam	9.30		Est. Total on Location		3283.5
Excess Lime (lb/bbl)				1.3 ppb		2.2 ppb	6.875x5.25	2,546'	0.0	lam	9.30		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				420 v		445 v	6.875x4.5	5,154'	0.0	lam	9.30		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				3.14		3.31	6.875x5.25	5,300'	0.0	lam	9.30		Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				4.5%		4.9%							0.00	psi	16 16 16
ppb Low Gravity Solids				37 ppb		40 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	16 16 16
Percent Barite				3.7%		6%									
ppb Barite				54 ppb		86 ppb	**BIT DATA**		Manuf./Type		Ulterra/U611S		0 lbs	0	
Estimated Total LCM in System		ppb					Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				A. Roman	0	M Washburn	6 3/4	10,245 ft					2,240 psi		

Remarks/Recommendations:

OBM Received:------2,840 bbls; + 470bbls left inside Casing

OBM On Surface ----2,840 bbls (Storage + Active Pits)

OBM Daily Gan/Loss--- (__0__); Total Gain/Loss---(__0__)

14.5# Kill OBM (408bbl)----9# OBM (1230bbls)---- $65.00/bbl

Discounted OBM (260bbls--11#) ---------$15.00/bbl

Rig Activity:

Completed testing on BOP's and surface equipment, and perform repairs to same. Pick up and make up Directional tools, Set MWD and pump on surface for testing. (good). Continue to TIH, pick up agitator and continue TIH to reach top of float collar. Circulating active system to blend 9# with 10.1# been displaced from well. At this time bit passing 5500'.

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

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

	Daily Total	Cumulative Cost
	$1,910.00	**$34,389.48**
INCLUDING 3RD PARTY CHARGES	**$1,910.00**	**$45,842.40**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/23/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #9

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE									
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36	88		88			-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
CACL2 (50)	50# sk	$14.32	224		224			84	$1,202.88
LIME (50)	50# sk	$5.00	210		210			100	$500.00
BENTONE 910 (50)	50# sk	$59.40	1		1			6	$356.40
BENTONE 990 (50)	50# sk	$83.59	53		53				
OPTI - G	50# sk	$30.59	175		175			50	$1,529.50
OPTI - MUL	gal	$10.75	550		550			275	$2,956.25
OPTI - WET	gal	$8.34	495		495			275	$2,293.50
NEW PHALT	50# sk	$38.72	55		55			60	$2,323.20
NEW CARB (M)	50# sk	$5.25	15		15			40	$210.00
MAGMAFIBER F (25)	25# sk	$28.05						36	$1,009.80
CYBERSEAL	25# sk	$21.47	120		120				
OIL SORB (25)	25# sk	$4.75	28		28			20	$95.00
BENTONE 38 (50)	50# sk	$163.94	50		50				
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	1000		1000			310	$2,170.00
DYNA FIBER MED.	25# sk	$53.67	120		120				
FIBER PLUG	30# sk	$30.37	15		15				
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
OPTI DRILL (OBM)	bbl	$65.00	3050		3050				
DISCOUNTED OBM	bbl	$15.00	260		260				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	14	$12,950.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	14	$420.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1279	$3,389.83
TRUCKING (min)	each	$795.00						1	$795.00
PALLETS (ea)	each	$12.00						24	$288.00
SHRINK WRAP (ea)	each	$12.00						24	$288.00
		Daily Sub-Total $1,910.00			**Cumulative Total $34,389.48**			**$34,389.48**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/23/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #9

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91						7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87						5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96							
Diesel Transfer from 3H	gal	$1.30	8304		8304				
Turbo Chem / First Response	25# sk	$41.75	130		130				
									$11,452.92

Cumulative Total AES & 3rd Party $45,842.40

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	6/22/20	6/23/20	6/24/20	6/25/20	6/26/20	6/27/20	6/28/20	6/29/20	6/30/20	7/1/20	7/2/20	7/3/20	7/4/20	7/5/20	7/6/20	7/7/20	7/8/20	7/9/20	7/10/20	7/11/20	7/12/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	6 3/4	6 3/4																			
Grand Totals	Starting Depth	10,335	10,335	10,335																		
	Ending Depth	10,335	10,335																			
-	Footage Drilled	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	New Hole Vol.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	470	3,310	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284
-	Chemical Additions	-	-																			
-	Base Fluid Added	-	-																			
-	Barite Increase	-	-																			
2,840	Weighted Mud Added	2,840	-																			
-	Slurry Added	-	-																			
-	Water Added	-	-																			
-	Added for Washout	-	-																			
2,840	Total Additions	2,840	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses	-																				
-	Formation Loss	-	-																			
-	Mud Loss to Cuttings	-	-																			
-	Unrecoverable Volume	-	-																			
-	Centrifuge Losses	-	-																			
-	Total Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Mud Transferred Out	-	26																			
3,284	Ending System Volume	3,310	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284	3,284
-	Mud Recovered	-																				

3,284

Comments:		Comments:	Comments:
6/22/20	Transfer sack material and OBM from Levi Goodrich U2-3H. Skid Rig / Nipple Up, Test BOP's	6/29/20	7/6/20
6/23/20	Test BOP's, Pick up and Make up new BHA, TIH 26bbls lost to gas separator.	6/30/20	7/7/20
6/24/20		7/1/20	7/8/20
6/25/20		7/2/20	7/9/20
6/26/20		7/3/20	7/10/20
6/27/20		7/4/20	7/11/20
6/28/20		7/5/20	7/12/20

6/23/2020 **Report 9 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

21.4° **10,239' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**49 ft**	**10,384 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**21 ft/hr**	**DRLG CURVE**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**340 gpm**	**2,620 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**

MUD PROPERTIES

Time Sample Taken	2:00		13:00
Sample Location	suction		shaker
Flowline Temperature °F			121 °F
Depth (ft)	10,335'		10,384'
Mud Weight (ppg)	9.3		8.9
Funnel Vis (sec/qt) @ 110 °F	43		45
600 rpm	25		28
300 rpm	15		18
200 rpm	10		15
100 rpm	7		10
6 rpm	5		6
3 rpm	4		5
Plastic Viscosity (cp) @ 150 °F	10		10
Yield Point (lb/100 ft²) T0 = 3	5		8
Gel Strength (lb/100 ft²) 10 sec / 10 min	5/9		5/8
Gel Strength (lb/100 ft2) 30 min	12		9
HTHP Filtrate (cm/30 min) @ 250 °F	8.0		8.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	10%		9%
Corrected Solids (vol%)	8.3%		7%
Retort Oil Content	70%		68%
Retort Water Content	20%		23%
O/W Ratio	78:22		75:25
Whole Mud Chlorides (mg/L)	43,000		52,000
Water Phase Salinity (ppm)	252,134		261,733
Whole Mud Alkalinity, Pom	1.0		1.2
Excess Lime (lb/bbl)	1.3 ppb		1.6 ppb
Electrical Stability (volts)	420 v		495 v
Average Specific Gravity of Solids	3.14		2.67
Percent Low Gravity Solids	4.5%		5.7%
ppb Low Gravity Solids	37 ppb		47 ppb
Percent Barite	3.7%		1.3%
ppb Barite	54 ppb		18 ppb
Estimated Total LCM in System			
Sample Taken By	A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	943 bbl
In Hole	417 bbl
Active	1360 bbl
Storage	1898 bbl
Tot. on Location	3258 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	53
gal/min	170

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	53
gal/min	170

RISER BOOSTER

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

Mud Wt. = 9.3 PV=10 YP=5 **CIRCULATION DATA** n = 0.737 K = 77.2

Bit Depth = 10,384 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.							
59.6 bbl	Volume to Bit	145.9 bbl	Strokes To Bit	1,912	Time To Bit	18 min
	Bottoms Up Vol.	271.1 bbl	BottomsUp Stks	3,553	BottomsUp Time	34 min
	TotalCirc.Vol.	1360.0 bbl	TotalCirc.Stks	17,823	Total Circ. Time	168 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	7,597'	
Agitator	5.250	2.500	32'	7,597'
Drill Pipe	4.500	3.826	2,609'	7,630'
Dir. BHA	5.250	2.000	146'	10,238'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	
Int. Csg.	7 5/8	6.875	10,245'	
Washout 1				
Washout 2				
Open Hole Size	6.818		10,384'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	7,597'	308.2	turb	9.97
6.875x5.25	7,630'	422.6	turb	10.00
6.875x4.5	10,238'	308.2	turb	10.00
6.875x5.25	10,245'	422.6	turb	10.02
6.818x5.25	10,384'	440.0	turb	10.06

BIT DATA Manuf./Type Ulterra/U611S

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,245 ft			

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3283.5
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	-2.2
Est. Total on Location	3281.3
Est. Losses/Gains (-)/(+)	-23.3

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.39	71 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
151 lbs	93			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,445 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Trip in hole with directional BHA to 10192, circulate and blend surface volume with cased hole volume for 9.3 mud wt, drill cement and float equipment from 10192 to 10335 and 10' of new formation to 10345, circulate hole clean and perform F.I.T. to 13.0 E.M.W. Start drilling curve reduce mud wt from 9.3 to 8.9 with centrifuge and diesel additions. Discontinue LCM sweep program while drilling curve.

06/24/20 **Report #10**

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

OUTSOURCE FLUID SOLUTIONS LLC.

11.1° **2,991' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**667 ft**	**10,862 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**56 ft/hr**	**POOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**
				6/24/20		6/23/20
Time Sample Taken				2:00		13:00
Sample Location				suction		shaker
Flowline Temperature °F						121 °F
Depth (ft)				10,860'		10,384'
Mud Weight (ppg)				8.9		8.9
Funnel Vis (sec/qt)			@ 110 °F	44		45
600 rpm				29		28
300 rpm				19		18
200 rpm				15		15
100 rpm				10		10
6 rpm				6		6
3 rpm				4		5
Plastic Viscosity (cp)			@ 150 °F	10		10
Yield Point (lb/100 ft²)			T0 = 2	9		8
Gel Strength (lb/100 ft²)			10 sec/10 min	6/10		5/8
Gel Strength (lb/100 ft²)			30 min	12		9
HTHP Filtrate (cm/30 min)			@ 250 °F	7.0		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				9%		9%
Corrected Solids (vol%)				7.2%		7%
Retort Oil Content				70%		68%
Retort Water Content				21%		23%
O/W Ratio				77:23		75:25
Whole Mud Chlorides (mg/L)				46,000		52,000
Water Phase Salinity (ppm)				255,667		261,733
Whole Mud Alkalinity, Pom				2.0		1.2
Excess Lime (lb/bbl)				2.6 ppb		1.6 ppb
Electrical Stability (volts)				470 v		495 v
Average Specific Gravity of Solids				2.76		2.67
Percent Low Gravity Solids				5.5%		5.7%
ppb Low Gravity Solids				45 ppb		47 ppb
Percent Barite				1.7%		1.3%
ppb Barite				24 ppb		18 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman	0	M Washburn

MUD VOLUME (BBL)

In Pits	826 bbl
In Hole	479 bbl
Active	944 bbl
Storage	2005 bbl
Tot. on Location	3310 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 = 0.610 K = 215.795

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

Drill String Disp.				
19.4 bbl	Volume to Bit	40.9 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	77.5 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol.	944.4 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	213'	0'
Agitator	5.250	2.500	32'	213'
Drill Pipe	4.500	3.826	2,609'	246'
Dir. BHA	5.250	2.000	146'	2,854'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	0'
Int. Csg.	7 5/8	6.875	10,245'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	10,862'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	213'	0.0	lam	8.90
6.875x5.25	246'	0.0	lam	8.90
6.875x4.5	2,854'	0.0	lam	8.90
6.875x5.25	3,000'	0.0	lam	8.90

BIT DATA Manuf./Type Ulterra/U611S

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	10,245 ft	12.0	667 ft	55.6	2,240 psi	

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	18.0
Shaker 2	170	18.0
Shaker 3	170	18.0
Centrifuge 1		4.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3283.5
Transferred In(+)/Out(-)	
Oil Added (+)	92.4
Barite Added (+)	7.0
Other Product Usage (+)	7.2
Water Added (+)	60.0
Left on Cuttings (-)	-30.1
Non-Recoverable Vol. (-)	-80.0
Gas Separator	-30.0
Est. Total on Location	3309.9
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Remarks/Recommendations:

OBM Received:------2,840 bbls; + 470bbls left inside Casing

OBM On Surface ----2,840 bbls (Storage + Active Pits)

OBM Daily Gan/Loss--- (__0__); Total Gain/Loss---(__0__)

14.5# Kill OBM (408bbl)----9# OBM (1230bbls)---- $65.00/bbl

Discounted OBM (260bbls--11#) ---------$15.00/bbl

Rig Activity:

Drilled ahead on curve section to 10860' / 69.67deg / 10575TVD. Directional Motor not getting build reates needed. Circulated BU and POOH up to casing shoe. Monitor well for 10min. Well in static condition. Pump slug and continue POOH to change out Directional Motor. During drilling period Mud maintain at 8.9ppg in the active system, Treate with Lime for alkalinity and Opti G and NewPhalt for reducing Fluid Loss. Additions of Bentone 38 and 990 for increase on Rheology. Diesel and Water additions for dilution and volume. Bit passing 2500' at time of report.

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

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

	Daily Total	Cumulative Cost
	$6,186.44	**$40,575.92**
INCLUDING 3RD PARTY CHARGES	**$11,966.64**	**$57,809.04**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/24/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #10

		DAILY USAGE & COST						CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE									
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36	88		88			-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
CACL2 (50)	50# sk	$14.32	224		214	10	$143.20	94	$1,346.08
LIME (50)	50# sk	$5.00	210		170	40	$200.00	140	$700.00
BENTONE 910 (50)	50# sk	$59.40	1			1	$59.40	7	$415.80
BENTONE 990 (50)	50# sk	$83.59	53		47	6	$501.54	6	$501.54
OPTI - G	50# sk	$30.59	175		155	20	$611.80	70	$2,141.30
OPTI - MUL	gal	$10.75	550		475	75	$806.25	350	$3,762.50
OPTI - WET	gal	$8.34	495		495			275	$2,293.50
NEW PHALT	50# sk	$38.72	55		50	5	$193.60	65	$2,516.80
NEW CARB (M)	50# sk	$5.25	15		10	5	$26.25	45	$236.25
MAGMAFIBER F (25)	25# sk	$28.05						36	$1,009.80
CYBERSEAL	25# sk	$21.47	120		110	10	$214.70	10	$214.70
OIL SORB (25)	25# sk	$4.75	28		28			20	$95.00
BENTONE 38 (50)	50# sk	$163.94	50		45	5	$819.70	5	$819.70
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	1000		900	100	$700.00	410	$2,870.00
DYNA FIBER MED.	25# sk	$53.67	120		120				
FIBER PLUG	30# sk	$30.37	15		15				
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
OPTI DRILL (OBM)	bbl	$65.00	3050		3050				
DISCOUNTED OBM	bbl	$15.00	260		260				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	16	$14,800.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	16	$480.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1279	$3,389.83
TRUCKING (min)	each	$795.00						1	$795.00
PALLETS (ea)	each	$12.00						24	$288.00
SHRINK WRAP (ea)	each	$12.00						24	$288.00
		Daily Sub-Total $6,186.44			**Cumulative Total $40,575.92**			**$40,575.92**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/24/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #10**

DAILY USAGE & COST									**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91							7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87							5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96								
Diesel Transfer from 3H	gal	$1.30	8304		4500	3804	$4,945.20		3804	$4,945.20
Turbo Chem / First Response	25# sk	$41.75	130		110	20	$835.00		20	$835.00
						Daily Sub-Total	**$5,780.20**			**$17,233.12**

Cumulative Total AES & 3rd Party $57,809.04

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	6/22/20	6/23/20	6/24/20	6/25/20	6/26/20	6/27/20	6/28/20	6/29/20	6/30/20	7/1/20	7/2/20	7/3/20	7/4/20	7/5/20	7/6/20	7/7/20	7/8/20	7/9/20	7/10/20	7/11/20	7/12/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	6 3/4	6 3/4	6 3/4																		
	Starting Depth	10,335	10,335	10,335	10,862																	
	Ending Depth	10,335	10,335	10,862																		
527	Footage Drilled	-	-	527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	New Hole Vol.	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	470	3,310	3,284	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310
7	Chemical Additions	-	-	7																		
92	Base Fluid Added	-	-	92																		
7	Barite Increase	-	-	7																		
2,840	Weighted Mud Added	2,840	-	-																		
-	Slurry Added	-	-	-																		
60	Water Added	-	-	60																		
-	Added for Washout	-	-	-																		
3,006	Total Additions	2,840	-	166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Surface Losses	-		30																		
-	Formation Loss	-	-	-																		
30	Mud Loss to Cuttings	-	-	30																		
60	Unrecoverable Volume	-	-	60																		
20	Centrifuge Losses	-	-	20																		
140	Total Losses	-	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Mud Transferred Out	-	26																			
3,310	Ending System Volume	3,310	3,284	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310	3,310
-	Mud Recovered	-																				

3,284

Comments:		Comments:	Comments:
6/22/20	Transfer sack material and OBM from Levi Goodrich U2-3H. Skid Rig / Nipple Up, Test BOP's	6/29/20	7/6/20
6/23/20	Test BOP's, Pick up and Make up new BHA, TIH 26bbls lost to gas separator.	6/30/20	7/7/20
6/24/20	Drilled on curve section to 10862'. Mud Motor not giving build rates. POOH to change mud motor.	7/1/20	7/8/20
6/25/20		7/2/20	7/9/20
6/26/20		7/3/20	7/10/20
6/27/20		7/4/20	7/11/20
6/28/20		7/5/20	7/12/20

6/24/2020 **Report 10 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

13.7° **6,640' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**		**10,862 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**		**TIH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**		

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**

MUD PROPERTIES				
Time Sample Taken		2:00		13:00
Sample Location		suction		pit
Flowline Temperature °F				
Depth (ft)		10,860'		10,860'
Mud Weight (ppg)		8.9		8.9
Funnel Vis (sec/qt)	@ 101 °F	44		46
600 rpm		29		30
300 rpm		19		20
200 rpm		15		15
100 rpm		10		11
6 rpm		6		6
3 rpm		4		5
Plastic Viscosity (cp)	@ 150 °F	10		10
Yield Point (lb/100 ft²)	T0 = 2	9		10
Gel Strength (lb/100 ft²)	10 sec / 10 min	6/10		5/8
Gel Strength (lb/100 ft2)	30 min	12		9
HTHP Filtrate (cm/30 min)	@ 250 °F	7.0		7.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		9%		9%
Corrected Solids (vol%)		7.2%		7.1%
Retort Oil Content		70%		69%
Retort Water Content		21%		22%
O/W Ratio		77:23		76:24
Whole Mud Chlorides (mg/L)		46,000		48,000
Water Phase Salinity (ppm)		255,667		254,914
Whole Mud Alkalinity, Pom		2.0		1.2
Excess Lime (lb/bbl)		2.6 ppb		1.6 ppb
Electrical Stability (volts)		470 v		485 v
Average Specific Gravity of Solids		2.76		2.71
Percent Low Gravity Solids		5.5%		5.7%
ppb Low Gravity Solids		45 ppb		46 ppb
Percent Barite		1.7%		1.5%
ppb Barite		24 ppb		21 ppb
Estimated Total LCM in System				
Sample Taken By		A. Roman		M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER
In Pits	826 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size
In Hole	459 bbl	Stroke	12	Stroke	12	Stroke
Active	1095 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk
Storage	2005 bbl	stk/min		stk/min		stk/min
Tot. on Location	3290 bbl	gal/min		gal/min		gal/min

Mud Wt. = 8.9 PV=10 YP=9 **CIRCULATION DATA** n = 0.610 K = 215.8

Bit Depth = 6,734 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	94.0 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	175.5 bbl	BottomsUp Stks	BottomsUp Time
39.7 bbl	TotalCirc.Vol.	1095.4 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	3,947'	
Agitator	5.250	2.500	32'	3,947'
Drill Pipe	4.500	3.826	2,609'	3,980'
Dir. BHA	5.250	2.000	146'	6,588'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	
Int. Csg.	7 5/8	6.875	10,245'	
Washout 1				
Washout 2				
Open Hole Size	6.818		10,862'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	3,947'		lam	8.90
6.875x5.25	3,980'		lam	8.90
6.875x4.5	6,588'		lam	8.90
6.875x5.25	6,734'		lam	8.90

BIT DATA Manuf./Type Ulterra/U611S

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	10,826 ft			#DIV/0!		129 psi

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3309.9
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Gas Separator	
Est. Total on Location	3309.9
Est. Losses/Gains (-)/(+)	-20.4

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
		16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	18	12

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Pull out of hole, lay down bit and 2 deg bend motor, make up new bit and motor with 2.5 deg bend. Trip in hole, depth at time of report is 6780. Forward plans are to maintain 8.9 mud wt. and recommended properties. Will continue with sweep program once curve is landed.

06/25/20 **Report #11**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.5° **146' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**92 ft**	**10,954 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**12 ft/hr**	**POOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**250 gpm**	**2,125 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	799 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**	In Hole	499 bbl	Stroke	12	Stroke	12	Stroke	
				6/25/20		6/24/20	Active	802 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				2:00		13:00	Storage	2005 bbl	stk/min	78	stk/min	0	stk/min	
Sample Location				suction		pit	Tot. on Location	3303 bbl	gal/min	250	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 310		**CIRCULATION DATA**				n = 0.637	K = 172.351
Depth (ft)				10,954'		10,860'	Bit Depth = 146 '		Washout = 1%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.9		8.9	Drill String Disp.	Volume to Bit 0.6 bbl	Strokes To Bit 7				Time To Bit 0 min	
Funnel Vis (sec/qt)		@ 101 °F		42		46		Bottoms Up Vol. 2.8 bbl	BottomsUp Stks 37				BottomsUp Time 0 min	
600 rpm				28		30	3.3 bbl	TotalCirc.Vol. 802.4 bbl	TotalCirc.Stks 10,515				Total Circ. Time 135 min	
300 rpm				18		20	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				15		15	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens Hours
100 rpm				10		11	Drill Pipe	4.500	3.826	0'	0'		Shaker 1	170 18.0
6 rpm				6		6	Agitator	5.250	2.500		0'		Shaker 2	170 18.0
3 rpm				5		5	Drill Pipe	4.500	3.826		0'		Shaker 3	170 18.0
Plastic Viscosity (cp)		@ 150 °F		10		10	Dir. BHA	5.250	2.000	146'	0'		Centrifuge 1	6.0
Yield Point (lb/100 ft²)		T0 = 4		8		10	**CASING & HOLE DATA**							
Gel Strength (lb/100 ft²)		10 sec/10 min		6/9		5/8	Casing	OD (in.)	ID (in.)	Depth	Top			
Gel Strength (lb/100 ft^2)		30 min		12		9	Riser						**VOLUME ACCOUNTING (bbls)**	
HTHP Filtrate (cm/30 min)		@ 250 °F		7.0		7.0	Surface	10 3/4		3,000'	0'		Prev. Total on Location	3309.9
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,245'	0'		Transferred In(+)/Out(-)	
Retort Solids Content				9%		9%	Washout 1						Oil Added (+)	54.7
Corrected Solids (vol%)				7%		7.1%	Washout 2						Barite Added (+)	0.0
Retort Oil Content				69%		69%	Open Hole Size		6.818	10,954'			Other Product Usage (+)	0.3
Retort Water Content				22%		22%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	
O/W Ratio				76:24		76:24	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	-4.2
Whole Mud Chlorides (mg/L)				50,000		48,000							Non-Recoverable Vol. (-)	-15.0
Water Phase Salinity (ppm)				262,745		254,914							Cent/Evap/Trip	-42.6
Whole Mud Alkalinity, Pom				2.0		1.2	6.875x4.5	0'	226.8	lam	9.30		Est. Total on Location	3303.1
Excess Lime (lb/bbl)				2.6 ppb		1.6 ppb	6.875x5.25	146'	311.0	turb	9.89		Est. Losses/Gains (-)/(+)	0.0
Electrical Stability (volts)				465 v		485 v							**BIT HYDRAULICS DATA**	
Average Specific Gravity of Solids				2.71		2.71							Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Percent Low Gravity Solids				5.5%		5.7%							0.16 / 39 psi / 16 16 16	
ppb Low Gravity Solids				46 ppb		46 ppb							Bit Impact Force / Nozzle Velocity (ft/sec)	16 18 12
Percent Barite				1.4%		1.5%								
ppb Barite				21 ppb		21 ppb	**BIT DATA**		Manuf./Type		Ulterra/U611S		81 lbs / 70	
Estimated Total LCM in System		ppb					Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD	Calc. Circ. Pressure
Sample Taken By				A. Roman	0	M Washburn	6 3/4	10,826 ft	8.0	92 ft	11.5		4,450 psi	4,596 psi

Remarks/Recommendations:

OBM Received:------3,310 bbls-----Daily Received--(0 bbls)

OBM On Surface ----2,840 bbls (Storage + Active Pits)

OBM Daily Gan/Loss--- (_-7_); Total Gain/Loss---(__-7__)

14.5# Kill OBM (408bbl)----9# OBM (1337bbls)---- $65.00/bbl

Discounted OBM (260bbls--11#) ---------$15.00/bbl

Rig Activity:

TIH back to bottom and resume drilling; attaining needed build rate from bailout motor. Drilled to 10954' (10,582'TVD / 89.69deg) on curve section. Circulate BU and Monitor well for 10min prior to pumping slug and POOH. Well in static condition. Pump slug and continue POOH to change out Directional Mud Motor. During drilling period Mud maintain at 8.9ppg in the active system, Utilize Centrifuge and Diesel to control MW increase from previous slug in the hole. Additions of Bentone 38 and 990 for increase on Rheology. Diesel and Water additions for dilution and volume. Lay down directional BHA at time of report.

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

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

	Daily Total	Cumulative Cost
	$2,860.06	**$43,435.98**
INCLUDING 3RD PARTY CHARGES	**$5,846.16**	**$63,655.20**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/25/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #11

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE									
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36	88		88			-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
CACL2 (50)	50# sk	$14.32	214		214			94	$1,346.08
LIME (50)	50# sk	$5.00	170		170			140	$700.00
BENTONE 910 (50)	50# sk	$59.40						7	$415.80
BENTONE 990 (50)	50# sk	$83.59	47		45	2	$167.18	8	$668.72
OPTI - G	50# sk	$30.59	155		155			70	$2,141.30
OPTI - MUL	gal	$10.75	475		475			350	$3,762.50
OPTI - WET	gal	$8.34	495		495			275	$2,293.50
NEW PHALT	50# sk	$38.72	50		50			65	$2,516.80
NEW CARB (M)	50# sk	$5.25	10		10			45	$236.25
MAGMAFIBER F (25)	25# sk	$28.05						36	$1,009.80
CYBERSEAL	25# sk	$21.47	110		110			10	$214.70
OIL SORB (25)	25# sk	$4.75	28		28			20	$95.00
BENTONE 38 (50)	50# sk	$163.94	45		43	2	$327.88	7	$1,147.58
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	900		900			410	$2,870.00
DYNA FIBER MED.	25# sk	$53.67	120		120				
FIBER PLUG	30# sk	$30.37	15		15				
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
OPTI DRILL (OBM)	bbl	$65.00	3050		3043	7	$455.00	7	$455.00
DISCOUNTED OBM	bbl	$15.00	260		260				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	18	$16,650.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	18	$540.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1279	$3,389.83
TRUCKING (min)	each	$795.00						1	$795.00
PALLETS (ea)	each	$12.00						24	$288.00
SHRINK WRAP (ea)	each	$12.00						24	$288.00
		Daily Sub-Total $2,860.06			**Cumulative Total $43,435.98**			**$43,435.98**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/25/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #11**

DAILY USAGE & COST									**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91							7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87							5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96								
Diesel Transfer from 3H	gal	$1.30	4500		2203	2297	$2,986.10		6101	$7,931.30
Diesel Delivery 6/24/20	gal	$1.35		7205	7205					
Turbo Chem / First Response	25# sk	$41.75	110		110				20	$835.00
							Daily Sub-Total $2,986.10		**$20,219.22**	

Cumulative Total AES & 3rd Party $63,655.20

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	6/22/20	6/23/20	6/24/20	6/25/20	6/26/20	6/27/20	6/28/20	6/29/20	6/30/20	7/1/20	7/2/20	7/3/20	7/4/20	7/5/20	7/6/20	7/7/20	7/8/20	7/9/20	7/10/20	7/11/20	7/12/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4																	
Grand Totals	Starting Depth	10,335	10,335	10,335	10,862	10,954																
	Ending Depth	10,335	10,335	10,862	10,954																	
619	Footage Drilled	-	-	527	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	New Hole Vol.	-	-	23	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	470	3,310	3,284	3,310	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303
7	Chemical Additions	-	-	7	0																	
147	Base Fluid Added	-	-	92	55																	
7	Barite Increase	-	-	7	-																	
2,840	Weighted Mud Added	2,840	-	-	-																	
-	Slurry Added	-	-	-	-																	
60	Water Added	-	-	60	-																	
-	Added for Washout	-	-	-	-																	
3,061	Total Additions	2,840	-	166	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	Surface Losses	-		30	15																	
-	Formation Loss	-	-	-	-																	
34	Mud Loss to Cuttings	-	-	30	4																	
75	Unrecoverable Volume	-	-	60	15																	
48	Centrifuge Losses	-	-	20	28																	
202	Total Losses	-	-	140	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Mud Transferred Out	-	26																			
3,303	Ending System Volume	3,310	3,284	3,310	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303	3,303
-	Mud Recovered	-																				

3,284

Comments:		Comments:	Comments:
6/22/20	Transfer sack material and OBM from Levi Goodrich U2-3H. Skid Rig / Nipple Up, Test BOP's	6/29/20	7/6/20
6/23/20	Test BOP's, Pick up and Make up new BHA, TIH 26bbls lost to gas separator.	6/30/20	7/7/20
6/24/20	Drilled on curve section to 10862'. Mud Motor not giving build rates. POOH to change mud motor.	7/1/20	7/8/20
6/25/20	TIH and drill to 10954'. Circulate BU and monitor well. Pump slug and POOH to change out Mud Motor.	7/2/20	7/9/20
6/26/20		7/3/20	7/10/20
6/27/20		7/4/20	7/11/20
6/28/20		7/5/20	7/12/20

6/25/2020 **Report 11 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

11.7° **5,652' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**		**10,954 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**		**TIH w/ BHA #5**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**

MUD PROPERTIES

Time Sample Taken	2:00		13:00
Sample Location	suction		pit
Flowline Temperature °F			
Depth (ft)	10,954'		10,954'
Mud Weight (ppg)	8.9		8.9
Funnel Vis (sec/qt) @ 105 °F	42		43
600 rpm	28		29
300 rpm	18		19
200 rpm	15		15
100 rpm	10		11
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	10		10
Yield Point (lb/100 ft²) T0 = 4	8		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/9		5/8
Gel Strength (lb/100 ft2) 30 min	12		10
HTHP Filtrate (cm/30 min) @ 250 °F	7.0		7.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	9%		9%
Corrected Solids (vol%)	7%		7%
Retort Oil Content	69%		69%
Retort Water Content	22%		22%
O/W Ratio	76:24		76:24
Whole Mud Chlorides (mg/L)	50,000		50,000
Water Phase Salinity (ppm)	262,745		262,745
Whole Mud Alkalinity, Pom	2.0		1.9
Excess Lime (lb/bbl)	2.6 ppb		2.5 ppb
Electrical Stability (volts)	465 v		475 v
Average Specific Gravity of Solids	2.71		2.70
Percent Low Gravity Solids	5.5%		5.6%
ppb Low Gravity Solids	46 ppb		46 ppb
Percent Barite	1.4%		1.4%
ppb Barite	21 ppb		20 ppb
Estimated Total LCM in System			
Sample Taken By	A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	799 bbl
In Hole	469 bbl
Active	1028 bbl
Storage	2005 bbl
Tot. on Location	3273 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

Mud Wt. = 8.9 PV=10 YP=8 **CIRCULATION DATA** n = 0.637 K = 172.4

Bit Depth = 5,723 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
	79.9 bbl		
	Bottoms Up Vol. 149.2 bbl	BottomsUp Stks	BottomsUp Time
33.7 bbl	TotalCirc.Vol. 1028.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	5,577'	
Agitator	5.250	2.500		5,577'
Drill Pipe	4.500	3.826		5,577'
Dir. BHA	5.250	2.000	146'	5,577'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	
Int. Csg.	7 5/8	6.875	10,245'	
Washout 1				
Washout 2				
Open Hole Size	6.818		10,954'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	5,577'		lam	8.90
6.875x5.25	5,723'		lam	8.90

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3303.1
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Cent/Evap/Trip	
Est. Total on Location	3303.1
Est. Losses/Gains (-)/(+)	-30.4

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
		16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	18	12

BIT DATA Manuf./Type Ulterra/U611S

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	10,954 ft			#DIV/0!	4,450 psi	4,548 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Lay down directional BHA and make up BHA #5 with 2 degree motor for drilling lateral hole section. Trip in hole to 181' and test MWD tool (good), Trip in hole with 4-1/2" DP to 2790 and make up agitator trip in hole to 5723 fill pipe and secure well. Perform welding repairs on floor plate. When drilling resumes will start pumping LCM sweeps in lateral hole section.Receive one load of bulk barite.

06/26/20 **Report #12**

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

OUTSOURCE FLUID SOLUTIONS LLC.

95.5° **10,555' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**946 ft**	**11,900 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**95 ft/hr**	**Drilling Lateral**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**353 gpm**	**4,520 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**
				6/26/20		6/25/20
Time Sample Taken				2:00		13:00
Sample Location				suction		pit
Flowline Temperature °F				130 °F		
Depth (ft)				11,686'		10,954'
Mud Weight (ppg)				8.9		8.9
Funnel Vis (sec/qt)			@ 110 °F	45		43
600 rpm				27		29
300 rpm				18		19
200 rpm				14		15
100 rpm				10		11
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	9		10
Yield Point (lb/100 ft²)			T0 = 4	9		9
Gel Strength (lb/100 ft²)			10 sec/10 min	6/9		5/8
Gel Strength (lb/100 ft²)			30 min	11		10
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		7.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				9%		9%
Corrected Solids (vol%)				7.1%		7%
Retort Oil Content				70%		69%
Retort Water Content				21%		22%
O/W Ratio				77:23		76:24
Whole Mud Chlorides (mg/L)				48,000		50,000
Water Phase Salinity (ppm)				263,850		262,745
Whole Mud Alkalinity, Pom				2.0		1.9
Excess Lime (lb/bbl)				2.6 ppb		2.5 ppb
Electrical Stability (volts)				455 v		475 v
Average Specific Gravity of Solids				2.82		2.70
Percent Low Gravity Solids				5.2%		5.6%
ppb Low Gravity Solids				43 ppb		46 ppb
Percent Barite				1.9%		1.4%
ppb Barite				27 ppb		20 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman	0	M Washburn

MUD VOLUME (BBL)

In Pits	825 bbl
In Hole	477 bbl
Active	1302 bbl
Storage	2005 bbl
Tot. on Location	3307 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	55
gal/min	176

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	55
gal/min	176

RISER BOOSTER

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

PHHP = 930 **CIRCULATION DATA** n = 0.585 K = 239.066

Bit Depth = 11,900 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
67.9 bbl	Volume to Bit	167.4 bbl	Strokes To Bit	2,194	Time To Bit	20 min
	Bottoms Up Vol.	309.8 bbl	BottomsUp Stks	4,060	BottomsUp Time	37 min
	TotalCirc.Vol.	1302.2 bbl	TotalCirc.Stks	17,065	Total Circ. Time	155 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	9,113'	0'
Agitator	5.250	2.500	32'	9,113'
Drill Pipe	4.500	3.826	2,609'	9,146'
Dir. BHA	5.250	2.000	146'	11,754'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	0'
Int. Csg.	7 5/8	6.875	10,245'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	11,900'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	9,113'	319.8	turb	9.69
6.875x5.25	9,146'	438.6	turb	9.78
6.875x4.5	10,245'	319.8	turb	9.85
6.818x4.5	11,754'	329.4	turb	10.00
6.818x5.25	11,900'	456.6	turb	10.12

BIT DATA Manuf./Type Ulterra/U611S

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,954 ft	10.0	946 ft	94.6

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	18.0
Shaker 2	170	18.0
Shaker 3	170	18.0
Centrifuge 1		4.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3303.1
Transferred In(+)/Out(-)	
Oil Added (+)	31.6
Barite Added (+)	0.0
Other Product Usage (+)	4.5
Water Added (+)	10.8
Left on Cuttings (-)	-42.7
Non-Recoverable Vol. (-)	
Cent/Evap/Trip	
Est. Total on Location	3307.3
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.45	78 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	18	12
161 lbs	99			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,606 psi

Remarks/Recommendations:

OBM Received:------3,310 bbls-----Daily Received--(0 bbls)

OBM On Surface ----2,830 bbls (Storage + Active Pits)

OBM Daily Gan/Loss--- (_+4_); Total Gain/Loss---(__-3__)

14.5# Kill OBM (408bbl)----9# OBM (1337bbls)---- $65.00/bbl

Discounted OBM (260bbls--11#) ---------$15.00/bbl

Rig Activity:

TIH back to bottom and resume drilling operations on lateral section; While drilling/Sliding on lateral section, 10bbls (LCM Sweep) are pumped every connection. Mud maintain at 8.9ppg in the active system with additions of Diesel. Using Centrifuge for proccesing mud recover from cuttings, use same for 2hrs from active system at the start of drilling ops. Chemical additions of Bentone 38 and 990 for increase on Rheology; Lime to maintain alkalinity; NewPhalt and Opti G to maintain Fluid loss. Diesel and Water additions for dilution and volume. Drilling ahead passing 11922' at time of report.

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

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

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

	Daily Total	Cumulative Cost
	$5,830.10	**$49,266.08**
INCLUDING 3RD PARTY CHARGES	**$7,876.50**	**$71,531.70**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/26/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #12

		DAILY USAGE & COST						CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE									
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36	88		88			-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
CACL2 (50)	50# sk	$14.32	214		214			94	$1,346.08
LIME (50)	50# sk	$5.00	170		150	20	$100.00	160	$800.00
BENTONE 910 (50)	50# sk	$59.40						7	$415.80
BENTONE 990 (50)	50# sk	$83.59	45		40	5	$417.95	13	$1,086.67
OPTI - G	50# sk	$30.59	155		155			70	$2,141.30
OPTI - MUL	gal	$10.75	475		400	75	$806.25	425	$4,568.75
OPTI - WET	gal	$8.34	495		495			275	$2,293.50
NEW PHALT	50# sk	$38.72	50		30	20	$774.40	85	$3,291.20
NEW CARB (M)	50# sk	$5.25	10			10	$52.50	55	$288.75
MAGMAFIBER F (25)	25# sk	$28.05						36	$1,009.80
CYBERSEAL	25# sk	$21.47	110		100	10	$214.70	20	$429.40
OIL SORB (25)	25# sk	$4.75	28		28			20	$95.00
BENTONE 38 (50)	50# sk	$163.94	43		41	2	$327.88	9	$1,475.46
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	900	463	1363			410	$2,870.00
DYNA FIBER MED.	25# sk	$53.67	120		120				
FIBER PLUG	30# sk	$30.37	15		15				
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
OPTI DRILL (OBM)	bbl	$65.00	3043		3043			7	$455.00
DISCOUNTED OBM	bbl	$15.00	260		260				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	20	$18,500.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	20	$600.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65				463	$1,226.42	1742	$4,616.25
TRUCKING (min)	each	$795.00						1	$795.00
PALLETS (ea)	each	$12.00						24	$288.00
SHRINK WRAP (ea)	each	$12.00						24	$288.00
		Daily Sub-Total $5,830.10			**Cumulative Total $49,266.08**			**$49,266.08**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/26/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #12**

DAILY USAGE & COST									**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91							7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87							5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96								
Diesel Transfer from 3H	gal	$1.30	2203		950	1253	$1,628.90		7354	$9,560.20
Diesel Delivery 6/24/20	gal	$1.35	7205		7205					
Turbo Chem / First Response	25# sk	$41.75	110		100	10	$417.50		30	$1,252.50
							Daily Sub-Total $2,046.40		**$22,265.62**	

Cumulative Total AES & 3rd Party $71,531.70

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	6/22/20	6/23/20	6/24/20	6/25/20	6/26/20	6/27/20	6/28/20	6/29/20	6/30/20	7/1/20	7/2/20	7/3/20	7/4/20	7/5/20	7/6/20	7/7/20	7/8/20	7/9/20	7/10/20	7/11/20	7/12/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4																
Grand Totals	Starting Depth	10,335	10,335	10,335	10,862	10,954	11,900															
	Ending Depth	10,335	10,335	10,862	10,954	11,900																
1,565	Footage Drilled	-	-	527	92	946	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	New Hole Vol.	-	-	23	4	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	470	3,310	3,284	3,310	3,303	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307
12	Chemical Additions	-	-	7	0	5																
178	Base Fluid Added	-	-	92	55	32																
7	Barite Increase	-	-	7	-	-																
2,840	Weighted Mud Added	2,840	-	-	-	-																
-	Slurry Added	-	-	-	-	-																
71	Water Added	-	-	60	-	11																
-	Added for Washout	-	-	-	-	-																
3,108	Total Additions	2,840	-	166	55	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	Surface Losses	-		30	15	-																
-	Formation Loss	-	-	-	-	-																
77	Mud Loss to Cuttings	-	-	30	4	43																
75	Unrecoverable Volume	-	-	60	15	-																
48	Centrifuge Losses	-	-	20	28	-																
245	Total Losses	-	-	140	62	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Mud Transferred Out	-	26	-	-	-																
3,307	Ending System Volume	3,310	3,284	3,310	3,303	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307	3,307
-	Mud Recovered	-																				

3,284

Comments:		Comments:	Comments:
6/22/20	Transfer sack material and OBM from Levi Goodrich U2-3H. Skid Rig / Nipple Up, Test BOP's	6/29/20	7/6/20
6/23/20	Test BOP's, Pick up and Make up new BHA, TIH 26bbls lost to gas separator.	6/30/20	7/7/20
6/24/20	Drilled on curve section to 10862'. Mud Motor not giving build rates. POOH to change mud motor.	7/1/20	7/8/20
6/25/20	TIH and drill to 10954'. Circulate BU and monitor well. Pump slug and POOH to change out Mud Motor.	7/2/20	7/9/20
6/26/20	TIH resume drilling, MW 8.9ppg. (+4bbls OBM)	7/3/20	7/10/20
6/27/20		7/4/20	7/11/20
6/28/20		7/5/20	7/12/20

6/26/2020 **Report 12 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

92.4° **10,500' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**1,870 ft**	**12,815 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**324 ft/hr**	**DRLG LATERAL**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**372 gpm**	**4,160 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**

MUD PROPERTIES				
Time Sample Taken		2:00		13:00
Sample Location		suction		pit
Flowline Temperature °F		130 °F		138 °F
Depth (ft)		11,686'		12,824'
Mud Weight (ppg)		8.9		8.9
Funnel Vis (sec/qt)	@ 125 °F	45		44
600 rpm		27		30
300 rpm		18		21
200 rpm		14		16
100 rpm		10		12
6 rpm		6		6
3 rpm		5		5
Plastic Viscosity (cp)	@ 150 °F	9		9
Yield Point (lb/100 ft²)	T0 = 4	9		12
Gel Strength (lb/100 ft²)	10 sec / 10 min	6/9		6/9
Gel Strength (lb/100 ft2)	30 min	11		10
HTHP Filtrate (cm/30 min)	@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		9%		9%
Corrected Solids (vol%)		7.1%		7.1%
Retort Oil Content		70%		70%
Retort Water Content		21%		21%
O/W Ratio		77:23		77:23
Whole Mud Chlorides (mg/L)		48,000		47,500
Water Phase Salinity (ppm)		263,850		261,821
Whole Mud Alkalinity, Pom		2.0		1.4
Excess Lime (lb/bbl)		2.6 ppb		1.8 ppb
Electrical Stability (volts)		455 v		495 v
Average Specific Gravity of Solids		2.82		2.74
Percent Low Gravity Solids		5.2%		5.5%
ppb Low Gravity Solids		43 ppb		45 ppb
Percent Barite		1.9%		1.6%
ppb Barite		27 ppb		23 ppb
Estimated Total LCM in System				
Sample Taken By		A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	810 bbl
In Hole	514 bbl
Active	1324 bbl
Storage	2005 bbl
Tot. on Location	3329 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	58
gal/min	186

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	58
gal/min	186

RISER BOOSTER

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

Mud Wt. = 8.9 PV=9 YP=9 **CIRCULATION DATA** n = 0.585 K = 239.1

Bit Depth = 12,815 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.							
72.9 bbl	Volume to Bit	180.5 bbl	Strokes To Bit	2,365	Time To Bit	20 min
	Bottoms Up Vol.	333.1 bbl	BottomsUp Stks	4,365	BottomsUp Time	38 min
	TotalCirc.Vol.	1323.6 bbl	TotalCirc.Stks	17,345	Total Circ. Time	150 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	10,028'	
Agitator	5.250	2.500	32'	10,028'
Drill Pipe	4.500	3.826	2,609'	10,061'
Dir. BHA	5.250	2.000	146'	12,669'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	
Int. Csg.	7 5/8	6.875	10,245'	
Washout 1				
Washout 2				
Open Hole Size	6.818		12,815'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,028'	337.3	turb	9.95
6.875x5.25	10,061'	462.5	turb	10.24
6.875x4.5	10,245'	337.3	turb	10.51
6.818x4.5	12,669'	347.3	turb	10.91
6.818x5.25	12,815'	481.5	turb	11.23

BIT DATA Manuf./Type Ulterra/U611S

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,954 ft	22.0	1,870 ft	85.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	20.0
Shaker 2	170	20.0
Shaker 3	170	20.0
Centrifuge 1		4.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3307.2
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	-84.4
Non-Recoverable Vol. (-)	
Cent/Evap/Trip	
Est. Total on Location	3222.8
Est. Losses/Gains (-)/(+)	105.8

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.53	87 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	18	12
179 lbs	104			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,835 psi

Afternoon Remarks/Recommendations:

LCM sweep contains:

15 ppb First Response

10 ppb Newcarb Med

10 ppb Cyberseal

Afternoon Rig Activity:

Drilling 6-3/4" lateral hole section, samples are 100% Austin Chalk. Maintain mud wt. at 8.9 with additions of diesel and periodic use of centrifuge, pump 10 bbls LCM sweep every connection. Adding Optimul HP and Lime for ES and alkalinity, Bentone clays to maintain rheology, OPTIG - gilsonite, and Newphalt - sulfonated asphalt for HTHP fluid loss and wellbore stability. No downhole mud losses detected.

06/27/20 **Report #13**

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

OUTSOURCE FLUID SOLUTIONS LLC.

97.8° **10,400' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**2,260 ft**	**14,160 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**103 ft/hr**	**DRLG LATERAL**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**391 gpm**	**3,897 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**
				6/27/20		6/26/20
Time Sample Taken				2:00		13:00
Sample Location				suction		shaker
Flowline Temperature °F				155 °F		138 °F
Depth (ft)				14,038'		12,824'
Mud Weight (ppg)				8.9		8.9
Funnel Vis (sec/qt)			@ 125 °F	44		44
600 rpm				28		30
300 rpm				19		21
200 rpm				14		16
100 rpm				10		12
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	9		9
Yield Point (lb/100 ft²)			T0 = 4	10		12
Gel Strength (lb/100 ft²)			10 sec/10 min	5/9		6/9
Gel Strength (lb/100 ft²)			30 min	12		10
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				9%		9%
Corrected Solids (vol%)				7.1%		7.1%
Retort Oil Content				71%		70%
Retort Water Content				20%		21%
O/W Ratio				78:22		77:23
Whole Mud Chlorides (mg/L)				47,000		47,500
Water Phase Salinity (ppm)				269,273		261,821
Whole Mud Alkalinity, Pom				2.4		1.4
Excess Lime (lb/bbl)				3.1 ppb		1.8 ppb
Electrical Stability (volts)				500 v		495 v
Average Specific Gravity of Solids				2.70		2.74
Percent Low Gravity Solids				5.7%		5.5%
ppb Low Gravity Solids				47 ppb		45 ppb
Percent Barite				1.4%		1.6%
ppb Barite				20 ppb		23 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman	0	M Washburn

MUD VOLUME (BBL)

In Pits	785 bbl
In Hole	567 bbl
Active	1352 bbl
Storage	2005 bbl
Tot. on Location	3357 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	61
gal/min	196

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	61
gal/min	196

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 889 n = 0.559 K = 295.909

Bit Depth = 14,160 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.							
80.2 bbl	Volume to Bit	199.6 bbl	Strokes To Bit	2,616	Time To Bit	21 min
	Bottoms Up Vol.	367.4 bbl	BottomsUp Stks	4,814	BottomsUp Time	39 min
	TotalCirc.Vol.	1352.0 bbl	TotalCirc.Stks	17,717	Total Circ. Time	145 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	11,373'	0'
Agitator	5.250	2.500	32'	11,373'
Drill Pipe	4.500	3.826	2,609'	11,406'
Dir. BHA	5.250	2.000	146'	14,014'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	0'
Int. Csg.	7 5/8	6.875	10,245'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	14,160'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,245'	354.7	turb	9.72
6.818x4.5	11,373'	365.3	turb	9.86
6.818x5.25	11,406'	506.5	turb	9.96
6.818x4.5	14,014'	365.3	turb	10.26
6.818x5.25	14,160'	506.5	turb	10.39

BIT DATA Manuf./Type Hal./GTD64c

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,954 ft	44.0	4,130 ft	93.9

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	20.0
Shaker 2	170	20.0
Shaker 3	170	20.0
Centrifuge 1		6.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3307.2
Transferred In(+)/Out(-)	
Oil Added (+)	88.7
Barite Added (+)	0.0
Other Product Usage (+)	16.9
Water Added (+)	60.0
Left on Cuttings (-)	-102.0
Non-Recoverable Vol. (-)	
Cent/Evap/Trip	-13.9
Est. Total on Location	3357.0
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.57	90 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
191 lbs	106			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	4,118 psi

Remarks/Recommendations:

OBM Received:------3,310 bbls-----Daily Received--(0 bbls)

OBM On Surface ----2,790 bbls (Storage + Active Pits)

OBM Daily Gan/Loss--- (+50); Total Gain/Loss---(_+47_)

14.5# Kill OBM (408bbl)----9# OBM (1337bbls)---- $65.00/bbl

Discounted OBM (260bbls--11#) ---------$15.00/bbl

Rig Activity:

Drilling-Sliding ahead on lateral section; Continue pumping 10bbls (LCM Sweep) every connection. Mud maintain at 8.9ppg in the active system with additions of Diesel. Using Centrifuge for processing mud recover from cuttings, use same for 6hrs from active system at alternated intervals to remove solids. Chemical additions of Bentone 38 and 990 for Rheology maintenance; Lime to maintain alkalinity; NewPhalt and Opti G to maintain Fluid loss. Diesel and Water additions for dilution and to offset evaporation.

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

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

	Daily Total	Cumulative Cost
	$9,880.77	**$59,146.85**
INCLUDING 3RD PARTY CHARGES	**$15,456.72**	**$86,988.42**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/27/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #13

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE									
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36	88		88			-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
CACL2 (50)	50# sk	$14.32	214		194	20	$286.40	114	$1,632.48
LIME (50)	50# sk	$5.00	150	200	280	70	$350.00	230	$1,150.00
BENTONE 910 (50)	50# sk	$59.40						7	$415.80
BENTONE 990 (50)	50# sk	$83.59	40		37	3	$250.77	16	$1,337.44
OPTI - G	50# sk	$30.59	155		100	55	$1,682.45	125	$3,823.75
OPTI - MUL	gal	$10.75	400	275	550	125	$1,343.75	550	$5,912.50
OPTI - WET	gal	$8.34	495		440	55	$458.70	330	$2,752.20
NEW PHALT	50# sk	$38.72	30	80	80	30	$1,161.60	115	$4,452.80
NEW CARB (M)	50# sk	$5.25		180	160	20	$105.00	75	$393.75
MAGMAFIBER F (25)	25# sk	$28.05						36	$1,009.80
CYBERSEAL	25# sk	$21.47	100	120	200	20	$429.40	40	$858.80
OIL SORB (25)	25# sk	$4.75	28		28			20	$95.00
BENTONE 38 (50)	50# sk	$163.94	41		36	5	$819.70	14	$2,295.16
VARISEAL C				50	50				
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	1363		1363			410	$2,870.00
DYNA FIBER MED.	25# sk	$53.67	120		120				
FIBER PLUG	30# sk	$30.37	15		15				
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
OPTI DRILL (OBM)	bbl	$65.00	3043		3043			7	$455.00
DISCOUNTED OBM	bbl	$15.00	260		260				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	22	$20,350.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	22	$660.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1742	$4,616.25
TRUCKING (min)	each	$795.00				1	$795.00	2	$1,590.00
PALLETS (ea)	each	$12.00				12	$144.00	36	$432.00
SHRINK WRAP (ea)	each	$12.00				12	$144.00	36	$432.00
		Daily Sub-Total $9,880.77			**Cumulative Total $59,146.85**			**$59,146.85**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/27/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #13**

DAILY USAGE & COST									**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91							7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87							5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96								
Diesel Transfer from 3H	gal	$1.30	950			950	$1,235.00		8304	$10,795.20
Diesel Delivery 6/24/20	gal	$1.35	7205		4608	2597	$3,505.95		2597	$3,505.95
Turbo Chem / First Response	25# sk	$41.75	100		80	20	$835.00		50	$2,087.50
							Daily Sub-Total $5,575.95		**$27,841.57**	

Cumulative Total AES & 3rd Party $86,988.42

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	6/22/20	6/23/20	6/24/20	6/25/20	6/26/20	6/27/20	6/28/20	6/29/20	6/30/20	7/1/20	7/2/20	7/3/20	7/4/20	7/5/20	7/6/20	7/7/20	7/8/20	7/9/20	7/10/20	7/11/20	7/12/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4															
	Starting Depth	10,335	10,335	10,335	10,862	10,954	11,900	14,160														
	Ending Depth	10,335	10,335	10,862	10,954	11,900	14,160															
3,825	Footage Drilled	-	-	527	92	946	2,260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
169	New Hole Vol.	-	-	23	4	42	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	470	3,310	3,284	3,310	3,303	3,307	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357
29	Chemical Additions	-	-	7	0	5	17															
267	Base Fluid Added	-	-	92	55	32	89															
7	Barite Increase	-	-	7	-	-	-															
2,840	Weighted Mud Added	2,840	-	-	-	-	-															
-	Slurry Added	-	-	-	-	-	-															
131	Water Added	-	-	60	-	11	60															
-	Added for Washout	-	-	-	-	-	-															
3,274	Total Additions	2,840	-	166	55	47	166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	Surface Losses	-		30	15	-	-															
-	Formation Loss	-	-	-	-	-	-															
179	Mud Loss to Cuttings	-	-	30	4	43	102															
75	Unrecoverable Volume	-	-	60	15	-	-															
62	Centrifuge Losses	-	-	20	28	-	14															
360	Total Losses	-	-	140	62	43	116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Mud Transferred Out	-	26	-	-	-																
3,357	Ending System Volume	3,310	3,284	3,310	3,303	3,307	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357	3,357
-	Mud Recovered	-																				

3,284

Comments:		Comments:	Comments:
6/22/20	Transfer sack material and OBM from Levi Goodrich U2-3H. Skid Rig / Nipple Up, Test BOP's	6/29/20	7/6/20
6/23/20	Test BOP's, Pick up and Make up new BHA, TIH 26bbls lost to gas separator.	6/30/20	7/7/20
6/24/20	Drilled on curve section to 10862'. Mud Motor not giving build rates. POOH to change mud motor.	7/1/20	7/8/20
6/25/20	TIH and drill to 10954'. Circulate BU and monitor well. Pump slug and POOH to change out Mud Motor.	7/2/20	7/9/20
6/26/20	TIH resume drilling, MW 8.9ppg. (+4bbls OBM)	7/3/20	7/10/20
6/27/20	Drilling ahead, gain 50bbls. Total gain 47bbls on the well . No losses noted at this time.	7/4/20	7/11/20
6/28/20		7/5/20	7/12/20

6/27/2020 **Report 13 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

94.3° **10,383' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**		**14,948 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**300 ft/hr**	**DRLG LATERAL**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**397 gpm**	**4,734 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**

MUD PROPERTIES				
Time Sample Taken		2:00		13:00
Sample Location		suction		shaker
Flowline Temperature °F		155 °F		151 °F
Depth (ft)		14,038'		14,950'
Mud Weight (ppg)		8.9		8.9
Funnel Vis (sec/qt)	@ 136 °F	44		44
600 rpm		28		27
300 rpm		19		19
200 rpm		14		16
100 rpm		10		12
6 rpm		6		6
3 rpm		5		5
Plastic Viscosity (cp)	@ 150 °F	9		8
Yield Point (lb/100 ft²)	T0 = 4	10		11
Gel Strength (lb/100 ft²)	10 sec / 10 min	5/9		5/9
Gel Strength (lb/100 ft2)	30 min	12		11
HTHP Filtrate (cm/30 min)	@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		9%		9%
Corrected Solids (vol%)		7.1%		7.2%
Retort Oil Content		71%		71%
Retort Water Content		20%		20%
O/W Ratio		78:22		78:22
Whole Mud Chlorides (mg/L)		47,000		46,500
Water Phase Salinity (ppm)		269,273		267,174
Whole Mud Alkalinity, Pom		2.4		1.8
Excess Lime (lb/bbl)		3.1 ppb		2.3 ppb
Electrical Stability (volts)		500 v		535 v
Average Specific Gravity of Solids		2.70		2.78
Percent Low Gravity Solids		5.7%		5.4%
ppb Low Gravity Solids		47 ppb		45 ppb
Percent Barite		1.4%		1.7%
ppb Barite		20 ppb		25 ppb
Estimated Total LCM in System				
Sample Taken By		A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	720 bbl
In Hole	598 bbl
Active	1318 bbl
Storage	2005 bbl
Tot. on Location	3323 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	62
gal/min	199

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	62
gal/min	199

RISER BOOSTER

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

Mud Wt. = 8.9 PV=9 YP=10 **CIRCULATION DATA** n = 0.559 K = 295.9

Bit Depth = 14,948 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
84.5 bbl	Volume to Bit	210.8 bbl	Strokes To Bit	2,762	Time To Bit	22 min
	Bottoms Up Vol.	387.5 bbl	BottomsUp Stks	5,078	BottomsUp Time	41 min
	TotalCirc.Vol.	1318.3 bbl	TotalCirc.Stks	17,275	Total Circ. Time	139 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	12,161'	
Agitator	5.250	2.500	32'	12,161'
Drill Pipe	4.500	3.826	2,609'	12,194'
Dir. BHA	5.250	2.000	146'	14,802'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	
Int. Csg.	7 5/8	6.875	10,245'	
Washout 1				
Washout 2				
Open Hole Size	6.818		14,948'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,245'	360.6	turb	9.90
6.818x4.5	12,161'	371.3	turb	10.27
6.818x5.25	12,194'	514.8	turb	10.53
6.818x4.5	14,802'	371.3	turb	11.02
6.818x5.25	14,948'	514.8	turb	11.30

BIT DATA Manuf./Type Hal./GTD64c

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,954 ft	56.0	3,994 ft	71.3

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3357.0
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Cent/Evap/Trip	
Est. Total on Location	3357.0
Est. Losses/Gains (-)/(+)	-33.7

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.60	93 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
197 lbs	108			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	4,264 psi

Afternoon Remarks/Recommendations:

LCM sweep contains:

15 ppb First Response

10 ppb Newcarb Med

10 ppb Cyberseal

5 ppb VARISEAL

Afternoon Rig Activity:

Drilling 6-3/4" lateral hole section, samples are 100% AC with up to 2% calcite from fractures that were crossed at 14350 - 14400 and from 14550 - 14600, slight seepage losses were detected @ 4 - 5 bbls/hr after drilling fractures then stabalized. Maintain mud wt. at 8.9, continue pumping 10 bbls LCM sweeps every stand, will increase frequency if losses continue.

06/28/20 **Report #14**

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

OUTSOURCE FLUID SOLUTIONS LLC.

90.6° **10,322' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**2,060 ft**	**16,220 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**94 ft/hr**	**DRLG LATERAL**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**397 gpm**	**4,956 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	796 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**	In Hole	649 bbl	Stroke	12	Stroke	12	Stroke	
				6/28/20		6/27/20	Active	1445 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				2:00		13:00	Storage	1923 bbl	stk/min	62	stk/min	62	stk/min	
Sample Location				suction		shaker	Tot. on Location	3368 bbl	gal/min	199	gal/min	199	gal/min	0
Flowline Temperature °F				160 °F		151 °F	PHHP = 1149		**CIRCULATION DATA**				n = 0.559	K = 295.909
Depth (ft)				16,087'		14,950'	Bit Depth = 16,220 '		Washout = 1%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.9		8.9	Drill String Disp.	Volume to Bit 228.9 bbl		Strokes To Bit 2,999			Time To Bit 24 min	
Funnel Vis (sec/qt)			@ 136 °F	41		44		Bottoms Up Vol. 419.9 bbl		BottomsUp Stks 5,502			BottomsUp Time 44 min	
600 rpm				28		27	91.5 bbl	TotalCirc.Vol. 1444.8 bbl		TotalCirc.Stks 18,933			Total Circ. Time 153 min	
300 rpm				19		19	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				15		16	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				11		12	Drill Pipe	4.500	3.826	13,433'	0'		Shaker 1	170	24.0
6 rpm				7		6	Agitator	5.250	2.500	32'	13,433'		Shaker 2	170	24.0
3 rpm				6		5	Drill Pipe	4.500	3.826	2,609'	13,466'		Shaker 3	170	24.0
Plastic Viscosity (cp)			@ 150 °F	9		8	Dir. BHA	5.250	2.000	146'	16,074'		Centrifuge 1		8.0
Yield Point (lb/100 ft²)			T0 = 5	10		11	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)			10 sec/10 min	6/10		5/9	Casing	OD (in.)	ID (in.)	Depth	Top				
Gel Strength (lb/100 ft^2)			30 min	14		11	Riser						**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0	Surface	10 3/4		3,000'	0'		Prev. Total on Location		3357.0
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,245'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				10%		9%	Washout 1						Oil Added (+)		108.4
Corrected Solids (vol%)				8.2%		7.2%	Washout 2						Barite Added (+)		0.0
Retort Oil Content				71%		71%	Open Hole Size	6.818		16,220'			Other Product Usage (+)		12.6
Retort Water Content				19%		20%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		80.0
O/W Ratio				79:21		78:22	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-93.0
Whole Mud Chlorides (mg/L)				44,000		46,500							Non-Recoverable Vol. (-)		-52.2
Water Phase Salinity (ppm)				266,397		267,174							Cent/Evap/Trip		-45.0
Whole Mud Alkalinity, Pom				2.0		1.8	6.875x4.5	10,245'	360.6	turb	9.83		Est. Total on Location		3367.7
Excess Lime (lb/bbl)				2.6 ppb		2.3 ppb	6.818x4.5	13,433'	371.3	turb	10.14		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				525 v		535 v	6.818x5.25	13,466'	514.8	turb	10.23		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				2.64		2.78	6.818x4.5	16,074'	371.3	turb	10.54		Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				6.9%		5.4%	6.818x5.25	16,220'	514.8	turb	10.65		0.61	94 psi	16 16 16
ppb Low Gravity Solids				56 ppb		45 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	16 16 16
Percent Barite				1.4%		1.7%									
ppb Barite				19 ppb		25 ppb	**BIT DATA**		Manuf./Type		Hal./GTD64c		199 lbs	108	
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				A. Roman	0	M Washburn	6 3/4	10,954 ft	66.0	6,190 ft	93.8		2,240 psi		4,429 psi

Remarks/Recommendations:

OBM Received:------3,310 bbls-----Daily Received--(0 bbls)

OBM On Surface ----2,689 bbls (Storage + Active Pits)

OBM Daily Gan/Loss--- (+11); Total Gain/Loss---(_+58_)

14.5# Kill OBM (408bbl)----9# OBM (1255bbls)---- $65.00/bbl

Discounted OBM (260bbls--11#) ---------$15.00/bbl

Rig Activity:

Drilling-Sliding ahead on lateral section; Continue pumping 10bbls (LCM Sweep) every connection. @14350'--14550' cross fracture on formation, lost 50bbls (+-) down hole. Well steady and not taking any mud after 14600'. Mud Weight maintain at 8.9ppg in the active system with additions of Diesel and water, also for dilution and to offset evaporation. Run Centrifuge for processing mud recover from cuttings, use same for 6hrs from active system at alternated intervals for LGS control. Chemical additions of Bentone 38 and 990 for Rheology maintenance; Lime to maintain alkalinity; NewPhalt and Opti G to maintain Fluid loss. At this time we continue drilling/Sliding passing 16275'. No seepeage or losses at this time.

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

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

$7,933.83 **$67,080.68**

INCLUDING 3RD PARTY CHARGES **$13,842.78** **$100,831.20**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/28/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #14

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE									
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36	88		88			-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
CACL2 (50)	50# sk	$14.32	194		184	10	$143.20	124	$1,775.68
LIME (50)	50# sk	$5.00	280		200	80	$400.00	310	$1,550.00
BENTONE 910 (50)	50# sk	$59.40						7	$415.80
BENTONE 990 (50)	50# sk	$83.59	37		31	6	$501.54	22	$1,838.98
OPTI - G	50# sk	$30.59	100		80	20	$611.80	145	$4,435.55
OPTI - MUL	gal	$10.75	550		375	175	$1,881.25	725	$7,793.75
OPTI - WET	gal	$8.34	440		440			330	$2,752.20
NEW PHALT	50# sk	$38.72	80		55	25	$968.00	140	$5,420.80
NEW CARB (M)	50# sk	$5.25	160		140	20	$105.00	95	$498.75
MAGMAFIBER F (25)	25# sk	$28.05						36	$1,009.80
CYBERSEAL	25# sk	$21.47	200		180	20	$429.40	60	$1,288.20
OIL SORB (25)	25# sk	$4.75	28		28			20	$95.00
BENTONE 38 (50)	50# sk	$163.94	36		30	6	$983.64	20	$3,278.80
VARISEAL C			50		50				
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	1363		1363			410	$2,870.00
DYNA FIBER MED.	25# sk	$53.67	120		120				
FIBER PLUG	30# sk	$30.37	15		15				
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
OPTI DRILL (OBM)	bbl	$65.00	3043		3043			7	$455.00
DISCOUNTED OBM	bbl	$15.00	260		260				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	24	$22,200.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	24	$720.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1742	$4,616.25
TRUCKING (min)	each	$795.00						2	$1,590.00
PALLETS (ea)	each	$12.00						36	$432.00
SHRINK WRAP (ea)	each	$12.00						36	$432.00
		Daily Sub-Total $7,933.83			**Cumulative Total $67,080.68**			**$67,080.68**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/28/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #14**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91						7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87						5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96							
Diesel Transfer from 3H	gal	$1.30						8304	$10,795.20
Diesel Delivery 6/24/20	gal	$1.35	4608		231	4377	$5,908.95	6974	$9,414.90
Diesel Delivery 6/27/20	gal	$1.29		7401	7401				
Turbo Chem / First Response	25# sk	$41.75	80		80			50	$2,087.50
							Daily Sub-Total	**$5,908.95**	**$33,750.52**

Cumulative Total AES & 3rd Party $100,831.20

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	6/22/20	6/23/20	6/24/20	6/25/20	6/26/20	6/27/20	6/28/20	6/29/20	6/30/20	7/1/20	7/2/20	7/3/20	7/4/20	7/5/20	7/6/20	7/7/20	7/8/20	7/9/20	7/10/20	7/11/20	7/12/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4														
	Starting Depth	10,335	10,335	10,335	10,862	10,954	11,900	14,160	16,220													
	Ending Depth	10,335	10,335	10,862	10,954	11,900	14,160	16,220														
5,885	Footage Drilled	-	-	527	92	946	2,260	2,060	-	-	-	-	-	-	-	-	-	-	-	-	-	-
260	New Hole Vol.	-	-	23	4	42	100	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	470	3,310	3,284	3,310	3,303	3,307	3,357	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368
41	Chemical Additions	-	-	7	0	5	17	13														
375	Base Fluid Added	-	-	92	55	32	89	108														
7	Barite Increase	-	-	7	-	-	-	-														
2,840	Weighted Mud Added	2,840	-	-	-	-	-	-														
-	Slurry Added	-	-	-	-	-	-	-														
211	Water Added	-	-	60	-	11	60	80														
-	Added for Washout	-	-	-	-	-	-	-														
3,474	Total Additions	2,840	-	166	55	47	166	201	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	Surface Losses	-		30	15	-	-	30														
52	Formation Loss	-	-	-	-	-	-	52														
272	Mud Loss to Cuttings	-	-	30	4	43	102	93														
75	Unrecoverable Volume	-	-	60	15	-	-	-														
77	Centrifuge Losses	-	-	20	28	-	14	15														
551	Total Losses	-	-	140	62	43	116	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Mud Transferred Out	-	26	-	-	-																
3,368	Ending System Volume	3,310	3,284	3,310	3,303	3,307	3,357	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368	3,368
-	Mud Recovered	-																				

3,284

Comments:		Comments:	Comments:
6/22/20	Transfer sack material and OBM from Levi Goodrich U2-3H. Skid Rig / Nipple Up, Test BOP's	6/29/20	7/6/20
6/23/20	Test BOP's, Pick up and Make up new BHA, TIH 26bbls lost to gas separator.	6/30/20	7/7/20
6/24/20	Drilled on curve section to 10862'. Mud Motor not giving build rates. POOH to change mud motor.	7/1/20	7/8/20
6/25/20	TIH and drill to 10954'. Circulate BU and monitor well. Pump slug and POOH to change out Mud Motor.	7/2/20	7/9/20
6/26/20	TIH resume drilling, MW 8.9ppg. (+4bbls OBM)	7/3/20	7/10/20
6/27/20	Drilling ahead, gain 50bbls. Total gain 47bbls on the well . No losses noted at this time.	7/4/20	7/11/20
6/28/20	Drilling ahead, gain 11bbls. Total gain 58bbls on the well .Lost 52bbls to formation at 14500', fracture. No seepeage or losses pass that point.	7/5/20	7/12/20

6/28/2020 **Report 14 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

95.0° **10,296' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**		**16,642 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**25 ft/hr**	**DRLG LATERAL**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**397 gpm**	**4,079 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**

MUD PROPERTIES				
Time Sample Taken		2:00		13:00
Sample Location		suction		shaker
Flowline Temperature °F		160 °F		155 °F
Depth (ft)		16,087'		16,571'
Mud Weight (ppg)		8.9		8.9
Funnel Vis (sec/qt)	@ 136 °F	41		42
600 rpm		28		35
300 rpm		19		23
200 rpm		15		18
100 rpm		11		13
6 rpm		7		7
3 rpm		6		6
Plastic Viscosity (cp)	@ 150 °F	9		12
Yield Point (lb/100 ft²)	T0 = 5	10		11
Gel Strength (lb/100 ft²)	10 sec / 10 min	6/10		6/9
Gel Strength (lb/100 ft2)	30 min	14		12
HTHP Filtrate (cm/30 min)	@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)		2.0		2.0
Retort Solids Content		10%		9%
Corrected Solids (vol%)		8.2%		7.2%
Retort Oil Content		71%		70%
Retort Water Content		19%		21%
O/W Ratio		79:21		77:23
Whole Mud Chlorides (mg/L)		44,000		46,500
Water Phase Salinity (ppm)		266,397		257,730
Whole Mud Alkalinity, Pom		2.0		2.4
Excess Lime (lb/bbl)		2.6 ppb		3.1 ppb
Electrical Stability (volts)		525 v		595 v
Average Specific Gravity of Solids		2.64		2.75
Percent Low Gravity Solids		6.9%		5.6%
ppb Low Gravity Solids		56 ppb		46 ppb
Percent Barite		1.4%		1.6%
ppb Barite		19 ppb		23 ppb
Estimated Total LCM in System				
Sample Taken By		A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	720 bbl
In Hole	666 bbl
Active	1386 bbl
Storage	1923 bbl
Tot. on Location	3309 bbl

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	62
gal/min	199

PUMP #2

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	62
gal/min	199

RISER BOOSTER

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

Mud Wt. = 8.9 PV=9 YP=10 **CIRCULATION DATA** n = 0.559 K = 295.9

Bit Depth = 16,642 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
93.8 bbl	Volume to Bit	234.9 bbl	Strokes To Bit	3,078	Time To Bit	25 min
	Bottoms Up Vol.	430.6 bbl	BottomsUp Stks	5,643	BottomsUp Time	46 min
	TotalCirc.Vol.	1385.5 bbl	TotalCirc.Stks	18,157	Total Circ. Time	146 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	13,855'	
Agitator	5.250	2.500	32'	13,855'
Drill Pipe	4.500	3.826	2,609'	13,888'
Dir. BHA	5.250	2.000	146'	16,496'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	
Int. Csg.	7 5/8	6.875	10,245'	
Washout 1				
Washout 2				
Open Hole Size	6.818		16,642'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,245'	360.6	turb	9.77
6.818x4.5	13,855'	371.3	turb	10.07
6.818x5.25	13,888'	514.8	turb	10.09
6.818x4.5	16,496'	371.3	turb	10.34
6.818x5.25	16,642'	514.8	turb	10.40

BIT DATA Manuf./Type Hal./GTD64c

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,954 ft	66.0	6,190 ft	93.8

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3367.8
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Cent/Evap/Trip	
Est. Total on Location	3367.8
Est. Losses/Gains (-)/(+)	-59.2

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.61	94 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
199 lbs	108			

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

Afternoon Remarks/Recommendations:

LCM sweep contains:

15 ppb First Response

10 ppb Newcarb Med

10 ppb Cyberseal

5 ppb VARISEAL

Afternoon Rig Activity:

Drilling 6-3/4" lateral hole section, samples are 100% AC. Maintain 8.9 mud wt. and continue pumping 10 bbls LCM sweep every stand. Adding diesel for oil wetting of solids, volume maintenance and dilution, water for evaporation replacement, Lime and OPTIMUL HP added for ES and alkalinity requirements. Adding OPTIG - gilsonite and NEWPHALT - blown asphalt for HTHP fluid loss control and wellbore stability. No downhole mud losses detected, operate centrifuge as needed for density control.

06/29/20 **Report #15**

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

OUTSOURCE FLUID SOLUTIONS LLC.

95.1° **10,252' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**1,207 ft**	**17,427 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**55 ft/hr**	**DRLG LATERAL**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**397 gpm**	**4,154 psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	900 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**	In Hole	697 bbl	Stroke	12	Stroke	12	Stroke	
				6/29/20		6/28/20	Active	1597 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				2:00		13:00	Storage	1811 bbl	stk/min	62	stk/min	62	stk/min	
Sample Location				suction		shaker	Tot. on Location	3408 bbl	gal/min	199	gal/min	199	gal/min	0
Flowline Temperature °F				160 °F		155 °F	PHHP = 963		**CIRCULATION DATA**				n = 0.632	K = 197.766
Depth (ft)				17,292'		16,571'	Bit Depth = 17,427 '		Washout = 1%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.9		8.9	Drill String Disp.	Volume to Bit 246.0 bbl	Strokes To Bit 3,224				Time To Bit 26 min	
Funnel Vis (sec/qt)			@ 136 °F	43		42		Bottoms Up Vol. 450.6 bbl	BottomsUp Stks 5,905				BottomsUp Time 48 min	
600 rpm				31		35	98.0 bbl	TotalCirc.Vol. 1596.7 bbl	TotalCirc.Stks 20,924				Total Circ. Time 169 min	
300 rpm				20		23	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				15		18	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				11		13	Drill Pipe	4.500	3.826	14,640'	0'		Shaker 1	170	24.0
6 rpm				6		7	Agitator	5.250	2.500	32'	14,640'		Shaker 2	170	24.0
3 rpm				5		6	Drill Pipe	4.500	3.826	2,609'	14,673'		Shaker 3	170	24.0
Plastic Viscosity (cp)			@ 150 °F	11		12	Dir. BHA	5.250	2.000	146'	17,281'		Centrifuge 1		6.0
Yield Point (lb/100 ft²)			T0 = 4	9		11	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)			10 sec/10 min	6/11		6/9	Casing	OD (in.)	ID (in.)	Depth	Top				
Gel Strength (lb/100 ft^2)			30 min	14		12	Riser						**VOLUME ACCOUNTING (bbls)**		
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0	Surface	10 3/4		3,000'	0'		Prev. Total on Location		3367.8
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,245'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				9%		9%	Washout 1						Oil Added (+)		112.7
Corrected Solids (vol%)				7.2%		7.2%	Washout 2						Barite Added (+)		0.0
Retort Oil Content				71%		70%	Open Hole Size	6.818	17,427'				Other Product Usage (+)		16.8
Retort Water Content				20%		21%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		80.0
O/W Ratio				78:22		77:23	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		-54.5
Whole Mud Chlorides (mg/L)				44,000		46,500							Non-Recoverable Vol. (-)		-70.0
Water Phase Salinity (ppm)				256,494		257,730							Cent/Evap/Trip		-45.0
Whole Mud Alkalinity, Pom				2.0		2.4	6.875x4.5	10,245'	360.6	turb	9.84		Est. Total on Location		3407.7
Excess Lime (lb/bbl)				2.6 ppb		3.1 ppb	6.818x4.5	14,640'	371.3	turb	10.24		Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)				540 v		595 v	6.818x5.25	14,673'	514.8	turb	10.30		**BIT HYDRAULICS DATA**		
Average Specific Gravity of Solids				2.86		2.75	6.818x4.5	17,281'	371.3	turb	10.59		Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids				5.1%		5.6%	6.818x5.25	17,427'	514.8	turb	10.67		0.61	94 psi	16 16 16
ppb Low Gravity Solids				42 ppb		46 ppb							Bit Impact Force	Nozzle Velocity (ft/sec)	16 16 16
Percent Barite				2.1%		1.6%									
ppb Barite				30 ppb		23 ppb	**BIT DATA**		Manuf./Type		Hal./GTD64c		199 lbs	108	
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				A. Roman	0	M Washburn	6 3/4	10,954 ft	88.0	7,397 ft	84.1		2,240 psi		4,685 psi

Remarks/Recommendations:

OBM Received:------3,310 bbls-----Daily Received--(0 bbls)

OBM On Surface ----2,701 bbls (Storage + Active Pits)

OBM Daily Gan/Loss--- (+40); Total Gain/Loss---(_+98_)

14.5# Kill OBM (408bbl)----9# OBM (1143bbls)---- $65.00/bbl

Discounted OBM (260bbls--11#) ---------$15.00/bbl

Rig Activity:

Drilling-Sliding ahead on lateral section; Continue pumping 10bbls (LCM Sweep) every connection. Well steady and not taking any mud after Mud Weight maintain at 8.9ppg in the active system with additions of Diesel and water, Run Centrifuge for processing mud recover from cuttings, use same for 6hrs from active system at alternated intervals for LGS control. Chemical additions of Bentone 38 and 990 for Rheology maintenance; Lime to maintain alkalinity; NewPhalt and Opti G to maintain Fluid loss. At this time we continue drilling/Sliding passing 16275'. No seepeage or losses at this time.

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

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

$8,074.62 **$75,155.30**

INCLUDING 3RD PARTY CHARGES **$14,898.76** **$115,729.96**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/29/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #15

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE									
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36	88		88			-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
CACL2 (50)	50# sk	$14.32	184		168	16	$229.12	140	$2,004.80
LIME (50)	50# sk	$5.00	200		130	70	$350.00	380	$1,900.00
BENTONE 910 (50)	50# sk	$59.40						7	$415.80
BENTONE 990 (50)	50# sk	$83.59	31		25	6	$501.54	28	$2,340.52
OPTI - G	50# sk	$30.59	80		40	40	$1,223.60	185	$5,659.15
OPTI - MUL	gal	$10.75	375		275	100	$1,075.00	825	$8,868.75
OPTI - WET	gal	$8.34	440		440			330	$2,752.20
NEW PHALT	50# sk	$38.72	55			55	$2,129.60	195	$7,550.40
NEW CARB (M)	50# sk	$5.25	140		140			95	$498.75
MAGMAFIBER F (25)	25# sk	$28.05						36	$1,009.80
CYBERSEAL	25# sk	$21.47	180		180			60	$1,288.20
OIL SORB (25)	25# sk	$4.75	28		28			20	$95.00
BENTONE 38 (50)	50# sk	$163.94	30		26	4	$655.76	24	$3,934.56
VARISEAL C			50		50				
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	1363		1363			410	$2,870.00
DYNA FIBER MED.	25# sk	$53.67	120		120				
FIBER PLUG	30# sk	$30.37	15		15				
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
OPTI DRILL (OBM)	bbl	$65.00	3043		3043			7	$455.00
DISCOUNTED OBM	bbl	$15.00	260		260				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	26	$24,050.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	26	$780.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1742	$4,616.25
TRUCKING (min)	each	$795.00						2	$1,590.00
PALLETS (ea)	each	$12.00						36	$432.00
SHRINK WRAP (ea)	each	$12.00						36	$432.00
		Daily Sub-Total $8,074.62			**Cumulative Total $75,155.30**			**$75,155.30**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/29/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**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 Transfer from 3H	gal	$0.91						7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87						5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96							
Diesel Transfer from 3H	gal	$1.30						8304	$10,795.20
Diesel Delivery 6/24/20	gal	$1.35	231			231	$311.85	7205	$9,726.75
Diesel Delivery 6/27/20	gal	$1.29	7401		3000	4401	$5,677.29	4401	$5,677.29
Turbo Chem / First Response	25# sk	$41.75	80		60	20	$835.00	70	$2,922.50
							Daily Sub-Total $6,824.14		**$40,574.66**

Cumulative Total AES & 3rd Party $115,729.96

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	6/22/20	6/23/20	6/24/20	6/25/20	6/26/20	6/27/20	6/28/20	6/29/20	6/30/20	7/1/20	7/2/20	7/3/20	7/4/20	7/5/20	7/6/20	7/7/20	7/8/20	7/9/20	7/10/20	7/11/20	7/12/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4													
	Starting Depth	10,335	10,335	10,335	10,862	10,954	11,900	14,160	16,220	17,427												
	Ending Depth	10,335	10,335	10,862	10,954	11,900	14,160	16,220	17,427													
7,092	Footage Drilled	-	-	527	92	946	2,260	2,060	1,207	-	-	-	-	-	-	-	-	-	-	-	-	-
314	New Hole Vol.	-	-	23	4	42	100	91	53	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	470	3,310	3,284	3,310	3,303	3,307	3,357	3,368	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408
58	Chemical Additions	-	-	7	0	5	17	13	17													
488	Base Fluid Added	-	-	92	55	32	89	108	113													
7	Barite Increase	-	-	7	-	-	-	-	-													
2,840	Weighted Mud Added	2,840	-	-	-	-	-	-	-													
-	Slurry Added	-	-	-	-	-	-	-	-													
291	Water Added	-	-	60	-	11	60	80	80													
-	Added for Washout	-	-	-	-	-	-	-	-													
3,684	Total Additions	2,840	-	166	55	47	166	201	210	-	-	-	-	-	-	-	-	-	-	-	-	-
105	Surface Losses	-		30	15	-	-	30	30													
52	Formation Loss	-	-	-	-	-	-	52	-													
326	Mud Loss to Cuttings	-	-	30	4	43	102	93	55													
145	Unrecoverable Volume	-	-	60	15	-	-	-	70													
92	Centrifuge Losses	-	-	20	28	-	14	15	15													
720	Total Losses	-	-	140	62	43	116	190	170	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Mud Transferred Out	-	26	-	-	-																
3,408	Ending System Volume	3,310	3,284	3,310	3,303	3,307	3,357	3,368	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408	3,408
-	Mud Recovered	-																				

3,284

Comments:		Comments:		Comments:	
6/22/20	Transfer sack material and OBM from Levi Goodrich U2-3H. Skid Rig / Nipple Up, Test BOP's	6/29/20	Drilling ahead on lateral. Constant addition of diesel and water. Volume build 40bbls. No Losses or Seepage at this time.	7/6/20	
6/23/20	Test BOP's, Pick up and Make up new BHA, TIH 26bbls lost to gas separator.	6/30/20		7/7/20	
6/24/20	Drilled on curve section to 10862'. Mud Motor not giving build rates. POOH to change mud motor.	7/1/20		7/8/20	
6/25/20	TIH and drill to 10954'. Circulate BU and monitor well. Pump slug and POOH to change out Mud Motor.	7/2/20		7/9/20	
6/26/20	TIH resume drilling, MW 8.9ppg. (+4bbls OBM)	7/3/20		7/10/20	
6/27/20	Drilling ahead, gain 50bbls. Total gain 47bbls on the well . No losses noted at this time.	7/4/20		7/11/20	
6/28/20	Drilling ahead, gain 11bbls. Total gain 58bbls on the well .Lost 52bbls to formation at 14500', fracture. No seepeage or losses pass that point.	7/5/20		7/12/20	

6/29/2020 **Report 15 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

91.6° **10,275' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**		**17,886 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**		**WIPER TRIP @ TD**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**397 gpm**	**3,500 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**

MUD PROPERTIES			
Time Sample Taken	2:00		11:30
Sample Location	suction		suction
Flowline Temperature °F	160 °F		
Depth (ft)	17,292'		16,571'
Mud Weight (ppg)	8.9		8.9
Funnel Vis (sec/qt) @ 134 °F	43		43
600 rpm	31		30
300 rpm	20		20
200 rpm	15		16
100 rpm	11		10
6 rpm	6		7
3 rpm	5		6
Plastic Viscosity (cp) @ 150 °F	11		10
Yield Point (lb/100 ft²) T0 = 4	9		10
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/11		6/10
Gel Strength (lb/100 ft2) 30 min	14		12
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	9%		9%
Corrected Solids (vol%)	7.2%		7.3%
Retort Oil Content	71%		71%
Retort Water Content	20%		20%
O/W Ratio	78:22		78:22
Whole Mud Chlorides (mg/L)	44,000		43,000
Water Phase Salinity (ppm)	256,494		252,134
Whole Mud Alkalinity, Pom	2.0		2.2
Excess Lime (lb/bbl)	2.6 ppb		2.9 ppb
Electrical Stability (volts)	540 v		567 v
Average Specific Gravity of Solids	2.86		2.79
Percent Low Gravity Solids	5.1%		5.5%
ppb Low Gravity Solids	42 ppb		45 ppb
Percent Barite	2.1%		1.8%
ppb Barite	30 ppb		26 ppb
Estimated Total LCM in System			
Sample Taken By	A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	900 bbl
In Hole	720 bbl
Active	1581 bbl
Storage	1811 bbl
Tot. on Location	3431 bbl

PUMP #1		PUMP #2		RISER BOOSTER
Liner Size	5.25	Liner Size	5.25	Liner Size
Stroke	12	Stroke	12	Stroke
bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk
stk/min	62	stk/min	62	stk/min
gal/min	199	gal/min	199	gal/min

Mud Wt. = 8.9 PV=11 YP=9 **CIRCULATION DATA** n = 0.632 K = 197.8

Bit Depth = 17,043 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
95.9 bbl	Volume to Bit	240.6 bbl	Strokes To Bit	3,153	Time To Bit	25 min
	Bottoms Up Vol.	440.9 bbl	BottomsUp Stks	5,777	BottomsUp Time	47 min
	TotalCirc.Vol.	1581.4 bbl	TotalCirc.Stks	20,724	Total Circ. Time	167 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	14,256'	
Agitator	5.250	2.500	32'	14,256'
Drill Pipe	4.500	3.826	2,609'	14,289'
Dir. BHA	5.250	2.000	146'	16,897'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	
Int. Csg.	7 5/8	6.875	10,245'	
Washout 1				
Washout 2				
Open Hole Size	6.818		17,886'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,245'	360.6	turb	9.79
6.818x4.5	14,256'	371.3	turb	10.12
6.818x5.25	14,289'	514.8	turb	10.13
6.818x4.5	16,897'	371.3	turb	10.36
6.818x5.25	17,043'	514.8	turb	10.40

BIT DATA Manuf./Type Hal./GTD64c

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,954 ft	92.0	7,397 ft	80.4

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3407.7
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Cent/Evap/Trip	
Est. Total on Location	3407.7
Est. Losses/Gains (-)/(+)	22.8

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.61	94 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
199 lbs	108			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	4,638 psi

Afternoon Remarks/Recommendations:

LCM sweep contains:

15 ppb First Response

10 ppb Newcarb Med

10 ppb Cyberseal

5 ppb VARISEAL

Afternoon Rig Activity:

Drill 6-3/4" lateral hole section to TD at 17886, circulate bottoms up, TD samples are 100% AC, pump out of hole 10 stands. After wiper trip when pipe is on btm will pump 3 X 30 bbls sweeps and perform clean up circulation cycle, then pump and spot 200 bbls LCM pill in open hole and pull out of lateral hole section. No mud losses were detected while drilling and circulating.

06/30/20 **Report #16**

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

OUTSOURCE FLUID SOLUTIONS LLC.

6.2° **8,080' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**459 ft**	**17,886 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**92 ft/hr**	**POOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**
				6/30/20		6/29/20
Time Sample Taken				2:00		11:30
Sample Location				suction		suction
Flowline Temperature °F				150 °F		
Depth (ft)				17,886'		16,571'
Mud Weight (ppg)				8.9		8.9
Funnel Vis (sec/qt)			@ 120 °F	44		43
600 rpm				31		30
300 rpm				21		20
200 rpm				15		16
100 rpm				11		10
6 rpm				6		7
3 rpm				5		6
Plastic Viscosity (cp)			@ 150 °F	10		10
Yield Point (lb/100 ft²)			T0 = 4	11		10
Gel Strength (lb/100 ft²)			10 sec/10 min	6/10		6/10
Gel Strength (lb/100 ft^2)			30 min	13		12
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				10%		9%
Corrected Solids (vol%)				8.3%		7.3%
Retort Oil Content				71%		71%
Retort Water Content				19%		20%
O/W Ratio				79:21		78:22
Whole Mud Chlorides (mg/L)				43,000		43,000
Water Phase Salinity (ppm)				261,928		252,134
Whole Mud Alkalinity, Pom				2.0		2.2
Excess Lime (lb/bbl)				2.6 ppb		2.9 ppb
Electrical Stability (volts)				555 v		567 v
Average Specific Gravity of Solids				2.64		2.79
Percent Low Gravity Solids				6.9%		5.5%
ppb Low Gravity Solids				57 ppb		45 ppb
Percent Barite				1.4%		1.8%
ppb Barite				20 ppb		26 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman	0	M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	968 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
In Hole	768 bbl	Stroke	12	Stroke	12	Stroke	
Active	1297 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Storage	1688 bbl	stk/min	0	stk/min	0	stk/min	
Tot. on Location	3424 bbl	gal/min	0	gal/min	0	gal/min	0

CIRCULATION DATA			
PHHP = 0			n = 0.562 K = 322.096
Bit Depth = 8,200 '		Washout = 1%	Pump Efficiency = 95%
Drill String Disp.	Volume to Bit 114.8 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol. 213.9 bbl	BottomsUp Stks	BottomsUp Time
47.7 bbl	TotalCirc.Vol. 1296.8 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	5,413'	0'
Agitator	5.250	2.500	32'	5,413'
Drill Pipe	4.500	3.826	2,609'	5,446'
Dir. BHA	5.250	2.000	146'	8,054'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	0'
Int. Csg.	7 5/8	6.875	10,245'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	17,886'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	5,413'	0.0	lam	8.94
6.875x5.25	5,446'	0.0	lam	8.94
6.875x4.5	8,054'	0.0	lam	8.94
6.875x5.25	8,200'	0.0	lam	8.94

BIT DATA Manuf./Type Hal./GTD64c

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,954 ft	98.0	7,856 ft	80.2

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	24.0
Shaker 2	170	24.0
Shaker 3	170	24.0
Centrifuge 1		4.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3407.7
Transferred In(+)/Out(-)	
Oil Added (+)	53.3
Barite Added (+)	0.0
Other Product Usage (+)	3.1
Water Added (+)	30.0
Left on Cuttings (-)	-20.7
Non-Recoverable Vol. (-)	-30.0
Cent/Evap/Trip	-19.6
Est. Total on Location	3423.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

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

Remarks/Recommendations:

OBM Received:------3,310 bbls-----Daily Received--(0 bbls)

OBM On Surface ----2,656 bbls (Storage + Active Pits)

OBM Daily Gan/Loss--- (+17); Total Gain/Loss---(+115)

14.5# Kill OBM (265bbl)----9# OBM (1143bbls)---- $65.00/bbl

Discounted OBM (280bbls--11#) ---------$15.00/bbl

Rig Activity:

Circulated Clean up Cycle with 3 (30bbls) sweeps. Pump and ream out of the hole up to 15430'. At this point Circulated BU, followed by 200bbls of LCM pill (First Response;New Carb;Cyberseal; Bentone38) and spot same out of the bit. With Casing pressure between 350-450psi; strip out of the hole up to 10420' pumping calculated fill through kill line on back side. Circulate BU follwed by 85bbls of 14ppg Mud Cap, spot same out of the bit. Casing pressure 0, POOH conventional manner up to 8400' and perform Flow Ck. Pull rotating head and resume POOH to lay down Directional BHA and start Casing Run. At time of the report, bit passing 8200'.

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

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

	Daily Total	Cumulative Cost
	$2,492.88	**$77,648.18**
INCLUDING 3RD PARTY CHARGES	**$5,798.69**	**$121,528.65**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/30/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #16

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE									
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36	88		88			-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
CACL2 (50)	50# sk	$14.32	168		168			140	$2,004.80
LIME (50)	50# sk	$5.00	130		100	30	$150.00	410	$2,050.00
BENTONE 910 (50)	50# sk	$59.40						7	$415.80
BENTONE 990 (50)	50# sk	$83.59	25		25			28	$2,340.52
OPTI - G	50# sk	$30.59	40		40			185	$5,659.15
OPTI - MUL	gal	$10.75	275		275			825	$8,868.75
OPTI - WET	gal	$8.34	440		440			330	$2,752.20
NEW PHALT	50# sk	$38.72						195	$7,550.40
NEW CARB (M)	50# sk	$5.25	140		120	20	$105.00	115	$603.75
MAGMAFIBER F (25)	25# sk	$28.05						36	$1,009.80
CYBERSEAL	25# sk	$21.47	180		180			60	$1,288.20
OIL SORB (25)	25# sk	$4.75	28		28			20	$95.00
BENTONE 38 (50)	50# sk	$163.94	26		24	2	$327.88	26	$4,262.44
VARISEAL C			50		50				
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	1363		1363			410	$2,870.00
DYNA FIBER MED.	25# sk	$53.67	120		120				
FIBER PLUG	30# sk	$30.37	15		15				
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
OPTI DRILL (OBM)	bbl	$65.00	3043		3043			7	$455.00
DISCOUNTED OBM	bbl	$15.00	260		260				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	28	$25,900.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	28	$840.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1742	$4,616.25
TRUCKING (min)	each	$795.00						2	$1,590.00
PALLETS (ea)	each	$12.00						36	$432.00
SHRINK WRAP (ea)	each	$12.00						36	$432.00
		Daily Sub-Total $2,492.88			**Cumulative Total $77,648.18**			**$77,648.18**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
06/30/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #16**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91						7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87						5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96							
Diesel Transfer from 3H	gal	$1.30						8304	$10,795.20
Diesel Delivery 6/24/20	gal	$1.35						7205	$9,726.75
Diesel Delivery 6/27/20	gal	$1.29	3000		761	2239	$2,888.31	6640	$8,565.60
Diesel Delivery 6/29/20	gal	$1.29		7399	7399				
Turbo Chem / First Response	25# sk	$41.75	60		50	10	$417.50	80	$3,340.00
						Daily Sub-Total	$3,305.81		$43,880.47

Cumulative Total AES & 3rd Party $121,528.65

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	6/22/20	6/23/20	6/24/20	6/25/20	6/26/20	6/27/20	6/28/20	6/29/20	6/30/20	7/1/20	7/2/20	7/3/20	7/4/20	7/5/20	7/6/20	7/7/20	7/8/20	7/9/20	7/10/20	7/11/20	7/12/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	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	10,335	10,335	10,335	10,862	10,954	11,900	14,160	16,220	17,427	17,886											
	Ending Depth	10,335	10,335	10,862	10,954	11,900	14,160	16,220	17,427	17,886												
7,551	Footage Drilled	-	-	527	92	946	2,260	2,060	1,207	459	-	-	-	-	-	-	-	-	-	-	-	-
334	New Hole Vol.	-	-	23	4	42	100	91	53	20	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	470	3,310	3,284	3,310	3,303	3,307	3,357	3,368	3,408	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424
61	Chemical Additions	-	-	7	0	5	17	13	17	3												
541	Base Fluid Added	-	-	92	55	32	89	108	113	53												
7	Barite Increase	-	-	7	-	-	-	-	-	-												
2,840	Weighted Mud Added	2,840	-	-	-	-	-	-	-	-												
-	Slurry Added	-	-	-	-	-	-	-	-	-												
321	Water Added	-	-	60	-	11	60	80	80	30												
-	Added for Washout	-	-	-	-	-	-	-	-	-												
3,770	Total Additions	2,840	-	166	55	47	166	201	210	86	-	-	-	-	-	-	-	-	-	-	-	-
135	Surface Losses	-		30	15	-	-	30	30	30												
52	Formation Loss	-	-	-	-	-	-	52	-	-												
347	Mud Loss to Cuttings	-	-	30	4	43	102	93	55	21												
145	Unrecoverable Volume	-	-	60	15	-	-	-	70	-												
111	Centrifuge Losses	-	-	20	28	-	14	15	15	20												
790	Total Losses	-	-	140	62	43	116	190	170	70	-	-	-	-	-	-	-	-	-	-	-	-
26	Mud Transferred Out	-	26	-	-	-																
3,424	Ending System Volume	3,310	3,284	3,310	3,303	3,307	3,357	3,368	3,408	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424
-	Mud Recovered	-																				

3,284

Comments:		Comments:		Comments:	
6/22/20	Transfer sack material and OBM from Levi Goodrich U2-3H. Skid Rig / Nipple Up, Test BOP's	6/29/20	Drilling ahead on lateral. Constant addition of diesel and water. Volume build 40bbls. No Losses or Seepage at this time.	7/6/20	
6/23/20	Test BOP's, Pick up and Make up new BHA, TIH 26bbls lost to gas separator.	6/30/20	TD 17886'. Circulate Clean up cycle and short trip. POOH and spot 200bbls LCM @15430'. POOH up to shoe, circulate and spot 85bbls 14#mud cap. POOH to run casing.	7/7/20	
6/24/20	Drilled on curve section to 10862'. Mud Motor not giving build rates. POOH to change mud motor.	7/1/20		7/8/20	
6/25/20	TIH and drill to 10954'. Circulate BU and monitor well. Pump slug and POOH to change out Mud Motor.	7/2/20		7/9/20	
6/26/20	TIH resume drilling, MW 8.9ppg. (+4bbls OBM)	7/3/20		7/10/20	
6/27/20	Drilling ahead, gain 50bbls. Total gain 47bbls on the well . No losses noted at this time.	7/4/20		7/11/20	
6/28/20	Drilling ahead, gain 11bbls. Total gain 58bbls on the well .Lost 52bbls to formation at 14500', fracture. No seepeage or losses pass that point.	7/5/20		7/12/20	

6/30/2020 **Report 16 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

0.5° **181' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**		**17,886 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**		**POOH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**

MUD PROPERTIES

Time Sample Taken	2:00		12:30
Sample Location	suction		suction
Flowline Temperature °F	150 °F		
Depth (ft)	17,886'		17,886'
Mud Weight (ppg)	8.9		8.9
Funnel Vis (sec/qt) @ 110 °F	44		42
600 rpm	31		29
300 rpm	21		19
200 rpm	15		15
100 rpm	11		10
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	10		10
Yield Point (lb/100 ft²) T0 = 4	11		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/10		6/9
Gel Strength (lb/100 ft2) 30 min	13		11
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	10%		10%
Corrected Solids (vol%)	8.3%		8.3%
Retort Oil Content	71%		71%
Retort Water Content	19%		19%
O/W Ratio	79:21		79:21
Whole Mud Chlorides (mg/L)	43,000		43,000
Water Phase Salinity (ppm)	261,928		261,928
Whole Mud Alkalinity, Pom	2.0		1.9
Excess Lime (lb/bbl)	2.6 ppb		2.5 ppb
Electrical Stability (volts)	555 v		567 v
Average Specific Gravity of Solids	2.64		2.58
Percent Low Gravity Solids	6.9%		7.2%
ppb Low Gravity Solids	57 ppb		59 ppb
Percent Barite	1.4%		1.1%
ppb Barite	20 ppb		16 ppb
Estimated Total LCM in System			
Sample Taken By	A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	850 bbl
In Hole	814 bbl
Active	857 bbl
Storage	1688 bbl
Tot. on Location	3352 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

Mud Wt. = 8.9 PV=10 YP=11 **CIRCULATION DATA** n = 0.562 K = 322.1

Bit Depth = 181 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	2.6 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	4.8 bbl	BottomsUp Stks	BottomsUp Time
1.0 bbl	TotalCirc.Vol.	857.3 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	181'	
Agitator				181'
Drill Pipe				181'
Dir. BHA				181'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	
Int. Csg.	7 5/8	6.875	10,245'	
Washout 1				
Washout 2				
Open Hole Size	6.818		17,886'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	181'		lam	8.94

BIT DATA Manuf./Type Hal./GTD64c

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,954 ft	98.0	7,856 ft	80.2

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3423.7
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Cent/Evap/Trip	
Est. Total on Location	3423.7
Est. Losses/Gains (-)/(+)	-71.3

BIT HYDRAULICS DATA

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

Motor/MWD	Calc. Circ. Pressure
2,240 psi	2,244 psi

Afternoon Remarks/Recommendations:

LCM sweep contains:

15 ppb First Response

10 ppb Newcarb Med

10 ppb Cyberseal

5 ppb VARISEAL

Afternoon Rig Activity:

Continue pull out of hole, laying down drillpipe and BHA, trip depth at time of report is 181', hole took correct amount of pipe fill during trip. Frac tanks arrived at new location, spot same, rigging up manifold and pumps start transferring auxilary OBM to new location in preparation for rig move.

07/01/20 **Report #17**

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

OUTSOURCE FLUID SOLUTIONS LLC.

11.6° **9,872' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**	**0 ft**	**17,886 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**0 ft/hr**	**Run Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**	**320 gpm**	**790 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**
				7/1/20		6/30/20
Time Sample Taken				2:00		12:30
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				8,467'		17,886'
Mud Weight (ppg)				9.1		8.9
Funnel Vis (sec/qt)			@ 85 °F	46		42
600 rpm				32		29
300 rpm				21		19
200 rpm				16		15
100 rpm				12		10
6 rpm				7		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	11		10
Yield Point (lb/100 ft²)			T0 = 3	10		9
Gel Strength (lb/100 ft²)			10 sec/10 min	7/11		6/9
Gel Strength (lb/100 ft^2)			30 min	14		11
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				10%		10%
Corrected Solids (vol%)				8.3%		8.3%
Retort Oil Content				72%		71%
Retort Water Content				18%		19%
O/W Ratio				80:20		79:21
Whole Mud Chlorides (mg/L)				42,000		43,000
Water Phase Salinity (ppm)				267,875		261,928
Whole Mud Alkalinity, Pom				1.8		1.9
Excess Lime (lb/bbl)				2.3 ppb		2.5 ppb
Electrical Stability (volts)				580 v		567 v
Average Specific Gravity of Solids				2.90		2.58
Percent Low Gravity Solids				5.7%		7.2%
ppb Low Gravity Solids				47 ppb		59 ppb
Percent Barite				2.6%		1.1%
ppb Barite				38 ppb		16 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman	0	M Washburn

MUD VOLUME (BBL)

In Pits	980 bbl		
In Hole	748 bbl		
Active	1371 bbl		
Storage	1688 bbl		
Tot. on Location	3416 bbl		

PUMP #1

Liner Size	5.25
Stroke	12
bbl/stk	0.0763
stk/min	100
gal/min	320

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 = 148 **CIRCULATION DATA** n = 0.608 K = 242.063

Bit Depth = 10,000 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.						
67.9 bbl	Volume to Bit	183.1 bbl	Strokes To Bit	2,399	Time To Bit	24 min
	Bottoms Up Vol.	208.2 bbl	BottomsUp Stks	2,728	BottomsUp Time	27 min
	TotalCirc.Vol.	1371.2 bbl	TotalCirc.Stks	17,970	Total Circ. Time	180 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	5.500	4.670	1,595'	0'
Casing	5.000	4.276	8,405'	1,595'
				10,000'
				10,000'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	0'
Int. Csg.	7 5/8	6.875	10,245'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	17,886'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x5.5	1,595'	461.7	turb	11.59
6.875x5	10,000'	352.8	turb	10.40

BIT DATA Manuf./Type

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

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	18.0
Shaker 2	170	18.0
Shaker 3	170	18.0
Centrifuge 1		4.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3423.7
Transferred In(+)/Out(-)	
Oil Added (+)	18.1
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Non-Recoverable Vol. (-)	
Cent/Evap/Trip	-26.3
Est. Total on Location	3415.5
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Remarks/Recommendations:

OBM Received:------3,310 bbls-----Daily Received--(0 bbls)

OBM On Surface ----2,632 bbls (Storage + Active Pits)

OBM Daily Gan/Loss--- (-8); Total Gain/Loss---(+107)

14.5# Kill OBM (265bbl)----9# OBM (1143bbls)---- $65.00/bbl

Discounted OBM (280bbls--11#) ---------$15.00/bbl

Rig Activity:

Finish lay down BHA. Pick up and rig up Casing running tools. Start running casing @16:00hrs. Mornitor displacement on trip tanks and transfer same to active system. Run Casing to 9000' and circulate BU at this point. MW in the pits 9.1ppg (cold). Resume casing run down to 10,000'. and circulate BU. At this time we are 100stks into BU at 10000'. Will circulate again at 11,000' before continue down into lateral section.

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

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

	Daily Total	Cumulative Cost
	$1,910.00	**$79,558.18**
INCLUDING 3RD PARTY CHARGES	**$2,891.69**	**$124,420.34**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/01/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #17

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE									
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36	88		88			-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
CACL2 (50)	50# sk	$14.32	168		168			140	$2,004.80
LIME (50)	50# sk	$5.00	100		100			410	$2,050.00
BENTONE 910 (50)	50# sk	$59.40						7	$415.80
BENTONE 990 (50)	50# sk	$83.59	25		25			28	$2,340.52
OPTI - G	50# sk	$30.59	40		40			185	$5,659.15
OPTI - MUL	gal	$10.75	275		275			825	$8,868.75
OPTI - WET	gal	$8.34	440		440			330	$2,752.20
NEW PHALT	50# sk	$38.72						195	$7,550.40
NEW CARB (M)	50# sk	$5.25	120		120			115	$603.75
MAGMAFIBER F (25)	25# sk	$28.05						36	$1,009.80
CYBERSEAL	25# sk	$21.47	180		180			60	$1,288.20
OIL SORB (25)	25# sk	$4.75	28		28			20	$95.00
BENTONE 38 (50)	50# sk	$163.94	24		24			26	$4,262.44
VARISEAL C			50		50				
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	1363		1363			410	$2,870.00
DYNA FIBER MED.	25# sk	$53.67	120		120				
FIBER PLUG	30# sk	$30.37	15		15				
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
OPTI DRILL (OBM)	bbl	$65.00	3043		3043			7	$455.00
DISCOUNTED OBM	bbl	$15.00	260		260				
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	30	$27,750.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	30	$900.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1742	$4,616.25
TRUCKING (min)	each	$795.00						2	$1,590.00
PALLETS (ea)	each	$12.00						36	$432.00
SHRINK WRAP (ea)	each	$12.00						36	$432.00
		Daily Sub-Total $1,910.00			**Cumulative Total $79,558.18**			**$79,558.18**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/01/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #17**

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91						7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87						5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96							
Diesel Transfer from 3H	gal	$1.30						8304	$10,795.20
Diesel Delivery 6/24/20	gal	$1.35						7205	$9,726.75
Diesel Delivery 6/27/20	gal	$1.29	761			761	$981.69	7401	$9,547.29
Diesel Delivery 6/29/20	gal	$1.29	7399		7399				
Turbo Chem / First Response	25# sk	$41.75	50		50			80	$3,340.00
							Daily Sub-Total $981.69		**$44,862.16**

Cumulative Total AES & 3rd Party $124,420.34

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	6/22/20	6/23/20	6/24/20	6/25/20	6/26/20	6/27/20	6/28/20	6/29/20	6/30/20	7/1/20	7/2/20	7/3/20	7/4/20	7/5/20	7/6/20	7/7/20	7/8/20	7/9/20	7/10/20	7/11/20	7/12/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	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	10,335	10,335	10,335	10,862	10,954	11,900	14,160	16,220	17,427	17,886	17,886										
	Ending Depth	10,335	10,335	10,862	10,954	11,900	14,160	16,220	17,427	17,886	17,886											
7,551	Footage Drilled	-	-	527	92	946	2,260	2,060	1,207	459	-	-	-	-	-	-	-	-	-	-	-	-
334	New Hole Vol.	-	-	23	4	42	100	91	53	20	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	470	3,310	3,284	3,310	3,303	3,307	3,357	3,368	3,408	3,424	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416
61	Chemical Additions	-	-	7	0	5	17	13	17	3	-											
559	Base Fluid Added	-	-	92	55	32	89	108	113	53	18											
7	Barite Increase	-	-	7	-	-	-	-	-	-	-											
2,840	Weighted Mud Added	2,840	-	-	-	-	-	-	-	-	-											
-	Slurry Added	-	-	-	-	-	-	-	-	-	-											
321	Water Added	-	-	60	-	11	60	80	80	30	-											
-	Added for Washout	-	-	-	-	-	-	-	-	-	-											
3,788	Total Additions	2,840	-	166	55	47	166	201	210	86	18	-	-	-	-	-	-	-	-	-	-	-
135	Surface Losses	-		30	15	-	-	30	30	30	-											
52	Formation Loss	-	-	-	-	-	-	52	-	-	-											
347	Mud Loss to Cuttings	-	-	30	4	43	102	93	55	21	-											
159	Unrecoverable Volume	-	-	60	15	-	-	-	70	-	14											
123	Centrifuge Losses	-	-	20	28	-	14	15	15	20	12											
816	Total Losses	-	-	140	62	43	116	190	170	70	26	-	-	-	-	-	-	-	-	-	-	-
26	Mud Transferred Out	-	26	-	-	-																
3,416	Ending System Volume	3,310	3,284	3,310	3,303	3,307	3,357	3,368	3,408	3,424	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416	3,416
-	Mud Recovered	-																				

3,284

Comments:		Comments:		Comments:	
6/22/20	Transfer sack material and OBM from Levi Goodrich U2-3H. Skid Rig / Nipple Up, Test BOP's	6/29/20	Drilling ahead on lateral. Constant addition of diesel and water. Volume build 40bbls. No Losses or Seepage at this time.	7/6/20	
6/23/20	Test BOP's, Pick up and Make up new BHA, TIH 26bbls lost to gas separator.	6/30/20	TD 17886'. Circulate Clean up cycle and short trip. POOH and spot 200bbls LCM @15430'. POOH up to shoe, circulate and spot 85bbls 14#mud cap. POOH to run casing.	7/7/20	
6/24/20	Drilled on curve section to 10862'. Mud Motor not giving build rates. POOH to change mud motor.	7/1/20	Lay down BHA, Start production casing run. Circulate BU @ 9000'--10000'---& 11000'. Push mud cap out of wellbore. No losses down hole at this time.	7/8/20	
6/25/20	TIH and drill to 10954'. Circulate BU and monitor well. Pump slug and POOH to change out Mud Motor.	7/2/20		7/9/20	
6/26/20	TIH resume drilling, MW 8.9ppg. (+4bbls OBM)	7/3/20		7/10/20	
6/27/20	Drilling ahead, gain 50bbls. Total gain 47bbls on the well . No losses noted at this time.	7/4/20		7/11/20	
6/28/20	Drilling ahead, gain 11bbls. Total gain 58bbls on the well .Lost 52bbls to formation at 14500', fracture. No seepeage or losses pass that point.	7/5/20		7/12/20	

7/1/2020 **Report 17 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

93.8° **10,335' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**04/29/20**		**17,886 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**		**RUN PROD CSG**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**Tool Pusher**	**GIDDINGS**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**

MUD VOLUME (BBL)

In Pits	980 bbl
In Hole	699 bbl
Active	1589 bbl
Storage	1688 bbl
Tot. on Location	3367 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

Mud Wt. = 9.1 PV=11 YP=10 **CIRCULATION DATA** n = 0.608 K = 242.1

Bit Depth = 15,883 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
116.2 bbl	307.7 bbl		
	Bottoms Up Vol. 301.1 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 1588.8 bbl	TotalCirc.Stks	Total Circ. Time

MUD PROPERTIES

Time Sample Taken	2:00		12:30
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	8,467'		17,886'
Mud Weight (ppg)	9.1		8.9
Funnel Vis (sec/qt) @ 99 °F	46		45
600 rpm	32		30
300 rpm	21		20
200 rpm	16		16
100 rpm	12		10
6 rpm	7		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	11		10
Yield Point (lb/100 ft²) T0 = 3	10		10
Gel Strength (lb/100 ft²) 10 sec / 10 min	7/11		6/10
Gel Strength (lb/100 ft2) 30 min	14		12
HTHP Filtrate (cm/30 min) @ 250 °F	6.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	10%		10%
Corrected Solids (vol%)	8.3%		8.4%
Retort Oil Content	72%		72%
Retort Water Content	18%		18%
O/W Ratio	80:20		80:20
Whole Mud Chlorides (mg/L)	42,000		41,000
Water Phase Salinity (ppm)	267,875		263,175
Whole Mud Alkalinity, Pom	1.8		1.9
Excess Lime (lb/bbl)	2.3 ppb		2.5 ppb
Electrical Stability (volts)	580 v		610 v
Average Specific Gravity of Solids	2.90		2.61
Percent Low Gravity Solids	5.7%		7.1%
ppb Low Gravity Solids	47 ppb		59 ppb
Percent Barite	2.6%		1.3%
ppb Barite	38 ppb		18 ppb
Estimated Total LCM in System			
Sample Taken By	A. Roman		M Washburn

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Casing	5.500	4.670	7,478'	
Casing	5.000	4.276	8,405'	7,478'
				15,883'
				15,883'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		3,000'	
Int. Csg.	7 5/8	6.875	10,245'	
Washout 1				
Washout 2				
Open Hole Size	6.818		17,886'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x5.5	7,478'		lam	9.10
6.875x5	10,245'		lam	9.10
6.818x5	15,883'		lam	9.10

BIT DATA Manuf./Type

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

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	
Shaker 2	170	
Shaker 3	170	
Centrifuge 1		

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3415.5
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Non-Recoverable Vol. (-)	
Cent/Evap/Trip	
Est. Total on Location	3415.5
Est. Losses/Gains (-)/(+)	-48.2

BIT HYDRAULICS DATA

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

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

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Continue to pick up and run in hole with 5-1/2" 23# P110 casing circulate thru choke and gas buster at 9000', 10000' and 11200' with full reurns, currently circulating at 15489. Maintain 8.9 ppg mud wt with diesel dilution and centrifuge. Transfering reserve OBM to new location. Scheduled to transfer Chemicals tlater today.

07/02/20 **Report #18**

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**	**04/29/20**	**0 ft**	**17,886 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
GRAND CANYON A - 1H	**248**	**TEXAS**	**04/28/20**	**0 ft/hr**	**WOC/Lay down DP**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JAMES DYER / BOBBY GWIN	**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	
8.8-10.2	**8-20**	**5-12**	**>300**	**±260K**	**<10 <25**	**<10**	In Hole	0 bbl	Stroke	12	Stroke	12	Stroke	
				7/1/20		7/1/20	Active	0 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				2:00		12:30	Storage	3084 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				No Mud		suction	Tot. on Location	3084 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.608	K = 242.063
Depth (ft)				17,886'		17,886'	Bit Depth = '		Washout = 1%				Pump Efficiency = 95%	
Mud Weight (ppg)				9.0		8.9	Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)			@ 85 °F	46		45		Bottoms Up Vol. 0.0 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				32		30	0.0 bbl	TotalCirc.Vol. 0.0 bbl	TotalCirc.Stks				Total Circ. Time	
300 rpm				21		20	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				16		16	Tubulars	OD (in.) ID (in.)	Length	Top			Unit Screens	Hours
100 rpm				12		10			0'	0'			Shaker 1 170	20.0
6 rpm				7		6				0'			Shaker 2 170	20.0
3 rpm				5		5				0'			Shaker 3 170	20.0
Plastic Viscosity (cp)			@ 150 °F	11		10				0'			Centrifuge 1	12.0
Yield Point (lb/100 ft²)			T0 = 3	10		10	**CASING & HOLE DATA**							
Gel Strength (lb/100 ft²)			10 sec/10 min	7/11		6/10	Casing	OD (in.) ID (in.)	Depth	Top				
Gel Strength (lb/100 ft^2)			30 min	14		12	Riser						**VOLUME ACCOUNTING (bbls)**	
HTHP Filtrate (cm/30 min)			@ 250 °F	6.0		6.0	Surface	10 3/4	3,000'	0'			Prev. Total on Location	3415.5
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	10,245'	0'			Transferred In(+)/Out(-)	
Retort Solids Content				10%		10%	Prod.	5 1/2	9,465'	0'			Oil Added (+)	176.2
Corrected Solids (vol%)				8.3%		8.4%	Prod.	5	17,886'	9,465'			Barite Added (+)	0.0
Retort Oil Content				72%		72%	Open Hole Size	0.000	17,886'				Other Product Usage (+)	0.0
Retort Water Content				18%		18%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)	
O/W Ratio				80:20		80:20	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)	0.0
Whole Mud Chlorides (mg/L)				42,000		41,000							Non-Recoverable Vol. (-)	-327.7
Water Phase Salinity (ppm)				267,875		263,175							Cent/Evap/Trip	-180.0
Whole Mud Alkalinity, Pom				1.8		1.9							Est. Total on Location	3084.0
Excess Lime (lb/bbl)				2.3 ppb		2.5 ppb							Est. Losses/Gains (-)/(+)	0.0
Electrical Stability (volts)				580 v		610 v							**BIT HYDRAULICS DATA**	
Average Specific Gravity of Solids				2.76		2.61							Bit H.S.I. / Bit ΔP / Nozzles (32nds)	
Percent Low Gravity Solids				6.4%		7.1%								
ppb Low Gravity Solids				52 ppb		59 ppb							Bit Impact Force / Nozzle Velocity (ft/sec)	
Percent Barite				1.9%		1.3%								
ppb Barite				28 ppb		18 ppb	**BIT DATA**	Manuf./Type						
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD	Calc. Circ. Pressure
Sample Taken By				A. Roman	0	M Washburn								

Remarks/Recommendations:

OBM Received:------3,310 bbls-----Daily Received--(0 bbls)

OBM On Surface ----3,084 bbls (Storage)

OBM Daily Gan/Loss--- (-331); Total Gain/Loss---(-224)

12.5# OBM (492bbl)----9# OBM (2592bbls)---- $65.00/bbl

Rig Activity:

Finish running production casing in the hole. Set circulation and continue with Surf-Surf cycle. Circulate gas out prior to start cement job. Pump Cement as follows: (spacer 50bbls/9.5#...Cement 250bbls/13.5#) displace Cement with 349bbls of fresh water. Bump plug 1000psi over. Floats holding, shut well in and monitor casing pressure (378psi) and increasing. Start to lay down DP in the mouse hole.----Losses while running casing (180bbl centrifuge / TIH); While Circulating casing on bottom (189bbls); Losses while pumping cement 100bbls. Losses displacing Cement 12bbls + 26bbls on back side on calculated displacement. . Total losses on cement job 327bbls. At this time WOC and lay down DP.

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

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

	Daily Total	Cumulative Cost
	$5,195.00	**$84,753.18**
INCLUDING 3RD PARTY CHARGES	**$14,739.71**	**$139,160.05**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/02/20	MAGNOLIA OIL & GAS	GRAND CANYON A - 1H	248	Report #18

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
ALUMINUM TRISTEARATE									
SAPP (50)	50# sk	$44.56						40	$1,782.40
PHPA LIQUID (pail)	5 gal	$41.36	88		88			-1	-$41.36
DYNADET	5 gal	$32.23						-4	-$128.92
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
CACL2 (50)	50# sk	$14.32	168		168			140	$2,004.80
LIME (50)	50# sk	$5.00	100		100			410	$2,050.00
BENTONE 910 (50)	50# sk	$59.40						7	$415.80
BENTONE 990 (50)	50# sk	$83.59	25		25			28	$2,340.52
OPTI - G	50# sk	$30.59	40		40			185	$5,659.15
OPTI - MUL	gal	$10.75	275		275			825	$8,868.75
OPTI - WET	gal	$8.34	440		440			330	$2,752.20
NEW PHALT	50# sk	$38.72						195	$7,550.40
NEW CARB (M)	50# sk	$5.25	120		120			115	$603.75
MAGMAFIBER F (25)	25# sk	$28.05						36	$1,009.80
CYBERSEAL	25# sk	$21.47	180		180			60	$1,288.20
OIL SORB (25)	25# sk	$4.75	28		28			20	$95.00
BENTONE 38 (50)	50# sk	$163.94	24		24			26	$4,262.44
VARISEAL C			50		50				
NEW WATE (SACK BARITE)	100# sk	$11.50	160		160				
BARITE BULK (100)	100# sk	$7.00	1363		1363			410	$2,870.00
DYNA FIBER MED.	25# sk	$53.67	120		120				
FIBER PLUG	30# sk	$30.37	15		15				
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
OPTI DRILL (OBM)	bbl	$65.00	3043		3043			7	$455.00
DISCOUNTED OBM	bbl	$15.00	260		41	219	$3,285.00	219	$3,285.00
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	32	$29,600.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	32	$960.00
ENGINEERING (MILES)	each	$1.00							
TRUCKING (cwt)	each	$2.65						1742	$4,616.25
TRUCKING (min)	each	$795.00						2	$1,590.00
PALLETS (ea)	each	$12.00						36	$432.00
SHRINK WRAP (ea)	each	$12.00						36	$432.00
		Daily Sub-Total $5,195.00			**Cumulative Total $84,753.18**			**$84,753.18**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/02/20	**MAGNOLIA OIL & GAS**	**GRAND CANYON A - 1H**	**248**	**Report #18**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
Diesel Transfer from 3H	gal	$0.91						7401	$6,734.91
Diesel Delivery 5/1/20	gal	$0.87						5423	$4,718.01
Diesel Delivery 5/3/20	gal	$0.96							
Diesel Transfer from 3H	gal	$1.30						8304	$10,795.20
Diesel Delivery 6/24/20	gal	$1.35						7205	$9,726.75
Diesel Delivery 6/27/20	gal	$1.29						7401	$9,547.29
Diesel Delivery 6/29/20	gal	$1.29	7399			7399	$9,544.71	7399	$9,544.71
Turbo Chem / First Response	25# sk	$41.75	50		50			80	$3,340.00
							Daily Sub-Total	**$9,544.71**	**$54,406.87**

Cumulative Total AES & 3rd Party $139,160.05

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	GRAND CANYON A - 1H

		WEEK 1							WEEK 2							WEEK 3						
	Date	6/22/20	6/23/20	6/24/20	6/25/20	6/26/20	6/27/20	6/28/20	6/29/20	6/30/20	7/1/20	7/2/20	7/3/20	7/4/20	7/5/20	7/6/20	7/7/20	7/8/20	7/9/20	7/10/20	7/11/20	7/12/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4										
Grand Totals	Starting Depth	10,335	10,335	10,335	10,862	10,954	11,900	14,160	16,220	17,427	17,886	17,886	17,886									
	Ending Depth	10,335	10,335	10,862	10,954	11,900	14,160	16,220	17,427	17,886	17,886	17,886										
7,551	Footage Drilled	-	-	527	92	946	2,260	2,060	1,207	459	-	-	-	-	-	-	-	-	-	-	-	-
334	New Hole Vol.	-	-	23	4	42	100	91	53	20	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	470	3,310	3,284	3,310	3,303	3,307	3,357	3,368	3,408	3,424	3,416	3,084	3,084	3,084	3,084	3,084	3,084	3,084	3,084	3,084	3,084
61	Chemical Additions	-	-	7	0	5	17	13	17	3	-	-										
735	Base Fluid Added	-	-	92	55	32	89	108	113	53	18	176										
7	Barite Increase	-	-	7	-	-	-	-	-	-	-	-										
2,840	Weighted Mud Added	2,840	-	-	-	-	-	-	-	-	-	-										
-	Slurry Added	-	-	-	-	-	-	-	-	-	-	-										
321	Water Added	-	-	60	-	11	60	80	80	30	-	-										
-	Added for Washout	-	-	-	-	-	-	-	-	-	-	-										
3,964	Total Additions	2,840	-	166	55	47	166	201	210	86	18	176	-	-	-	-	-	-	-	-	-	-
135	Surface Losses	-		30	15	-	-	30	30	30	-											
52	Formation Loss	-	-	-	-	-	-	52	-	-	-											
347	Mud Loss to Cuttings	-	-	30	4	43	102	93	55	21	-	-										
487	Unrecoverable Volume	-	-	60	15	-	-	-	70	-	14	328										
303	Centrifuge Losses	-	-	20	28	-	14	15	15	20	12	180										
1,324	Total Losses	-	-	140	62	43	116	190	170	70	26	508	-	-	-	-	-	-	-	-	-	-
26	Mud Transferred Out	-	26	-	-	-																
3,084	Ending System Volume	3,310	3,284	3,310	3,303	3,307	3,357	3,368	3,408	3,424	3,416	3,084	3,084	3,084	3,084	3,084	3,084	3,084	3,084	3,084	3,084	3,084
-	Mud Recovered	-																				

3,284

Comments:		Comments:		Comments:	
6/22/20	Transfer sack material and OBM from Levi Goodrich U2-3H. Skid Rig / Nipple Up, Test BOP's	6/29/20	Drilling ahead on lateral. Constant addition of diesel and water. Volume build 40bbls. No Losses or Seepage at this time.	7/6/20	
6/23/20	Test BOP's, Pick up and Make up new BHA, TIH 26bbls lost to gas separator.	6/30/20	TD 17886'. Circulate Clean up cycle and short trip. POOH and spot 200bbls LCM @15430'. POOH up to shoe, circulate and spot 85bbls 14#mud cap. POOH to run casing.	7/7/20	
6/24/20	Drilled on curve section to 10862'. Mud Motor not giving build rates. POOH to change mud motor.	7/1/20	Lay down BHA, Start production casing run. Circulate BU @ 9000'--10000'---& 11000'. Push mud cap out of wellbore. No losses down hole at this time.	7/8/20	
6/25/20	TIH and drill to 10954'. Circulate BU and monitor well. Pump slug and POOH to change out Mud Motor.	7/2/20	Casing on bottom. Cement. Losses: 180bbls while running casing; 189bbls while circulating casing on bottom; 100bbls while pumping cement and 38bbls on displacement.	7/9/20	
6/26/20	TIH resume drilling, MW 8.9ppg. (+4bbls OBM)	7/3/20		7/10/20	
6/27/20	Drilling ahead, gain 50bbls. Total gain 47bbls on the well . No losses noted at this time.	7/4/20		7/11/20	
6/28/20	Drilling ahead, gain 11bbls. Total gain 58bbls on the well .Lost 52bbls to formation at 14500', fracture. No seepeage or losses pass that point.	7/5/20		7/12/20	