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

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**0 ft**	**2,769 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**0 ft/hr**	**PU BHA**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/ KEVIN BURT	**Tool Pusher**	**GIDDIGNS**	**OBM**	**0 gpm**	

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9.3-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<3 <11**	**<8**
				7/20/20		
Time Sample Taken				2:30		
Sample Location				suction		
Flowline Temperature °F						
Depth (ft)				2,769'		
Mud Weight (ppg)				9.3		
Funnel Vis (sec/qt)			@ 106 °F	44		
600 rpm				34		
300 rpm				21		
200 rpm				15		
100 rpm				10		
6 rpm				4		
3 rpm				3		
Plastic Viscosity (cp)			@ 150 °F	13		
Yield Point (lb/100 ft²)			T0 = 2	8		
Gel Strength (lb/100 ft²)			10 sec/10 min	3/5		
Gel Strength (lb/100 ft^2)			30 min	10		
HTHP Filtrate (cm/30 min)			@ 300 °F	8.0		
HTHP Cake Thickness (32nds)				2.0		
Retort Solids Content				10.8%		
Corrected Solids (vol%)				9.3%		
Retort Oil Content				70.2%		
Retort Water Content				19%		
O/W Ratio				79:21		
Whole Mud Chlorides (mg/L)				38,000		
Water Phase Salinity (ppm)				238,743		
Whole Mud Alkalinity, Pom				1.2		
Excess Lime (lb/bbl)				1.6 ppb		
Electrical Stability (volts)				402 v		
Average Specific Gravity of Solids				2.97		
Percent Low Gravity Solids				6%		
ppb Low Gravity Solids				49 ppb		
Percent Barite				3.3%		
ppb Barite				47 ppb		
Estimated Total LCM in System			ppb			
Sample Taken By				0	0	0

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
In Pits	720 bbl	Liner Size	5.75	Liner Size	5.75	Liner Size	
In Hole	255 bbl	Stroke	12	Stroke	12	Stroke	
Active	720 bbl	bbl/stk	0.0915	bbl/stk	0.0915	bbl/stk	0.0000
Storage	1373 bbl	stk/min		stk/min		stk/min	
Tot. on Location	2348 bbl	gal/min	0	gal/min	0	gal/min	0

PHHP = 0 **CIRCULATION DATA** n = 0.695 K = 140.295

Washout = 2% Pump Efficiency = 95%

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

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	0'	0'
Hevi Wt	4.500	3.000		0'
Collars	6.500	2.370		0'
Dir. BHA	8.000	2.500		0'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.925	2,769'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size		10.073	2,769'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type ULTERRA 613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
9 7/8	2,769 ft					

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	254.6
Transferred In(+)/Out(-)	2093.0
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Sand Trap Discharge	
Est. Total on Location	2347.6
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Remarks/Recommendations:

OBM RECEIVED: _2,348bbls / OBM RETURNED:

OBM ON SURFACE__1,373bbls (Storage)__720bbls (Active)

OBM LOSS/GAIN--(Daily 0) _Total (-10)

Rig Activity:

Skid over from the Palo Duro #1H, NU BOP's and tested the same. At the time of the am report picking up the 9.875" directional BHA. Active mud weight is being maintained at 9.3ppg, while drilling the shoe track the active system will be reconditioned with Mul, Wet, Lime, CaCl2 and Bentone 910/990. Sweeps will be pumped in 10bbls increments every 300'. Changed out damaged API 140's shakers screens. Aggressive dilution rates will continue maintaining volume and control drill solids.

Eng. 1:	Rob Bowlin	Eng. 2:	Matt Meehan	WH 1:	MIDLAND	WH 2:	WH #2	Rig Phone:
Phone:	228-990-1055	Phone:		Phone:	432-686-7361	Phone:	-	

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

	Daily Total	Cumulative Cost
	$1,910.00	**$5,673.12**
INCLUDING 3RD PARTY CHARGES	**$1,910.00**	**$5,673.12**

7/20/2020 **Report 3 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

14.2° **3,905' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**1,218 ft**	**3,987 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**705 ft/hr**	**Drilling**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/ KEVIN BURT	**Tool Pusher**	**GIDDIGNS**	**OBM**	**723 gpm**	**3,453 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9.3-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<3 <11**	**<8**

MUD PROPERTIES

Time Sample Taken	2:30		12:00
Sample Location	suction		suction
Flowline Temperature °F			136 °F
Depth (ft)	2,769'		3,987'
Mud Weight (ppg)	9.3		9.3
Funnel Vis (sec/qt) @ 106 °F	44		44
600 rpm	34		30
300 rpm	21		19
200 rpm	15		14
100 rpm	10		11
6 rpm	4		5
3 rpm	3		4
Plastic Viscosity (cp) @ 150 °F	13		11
Yield Point (lb/100 ft²) T0 = 2	8		8
Gel Strength (lb/100 ft²) 10 sec / 10 min	3/5		4/6
Gel Strength (lb/100 ft2) 30 min	10		9
HTHP Filtrate (cm/30 min) @ 300 °F	8.0		8.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	10.8%		11%
Corrected Solids (vol%)	9.3%		9.3%
Retort Oil Content	70.2%		67%
Retort Water Content	19%		22%
O/W Ratio	79:21		75:25
Whole Mud Chlorides (mg/L)	38,000		45,000
Water Phase Salinity (ppm)	238,743		242,851
Whole Mud Alkalinity, Pom	1.2		1.5
Excess Lime (lb/bbl)	1.6 ppb		2 ppb
Electrical Stability (volts)	402 v		405 v
Average Specific Gravity of Solids	2.97		2.84
Percent Low Gravity Solids	6%		6.7%
ppb Low Gravity Solids	49 ppb		55 ppb
Percent Barite	3.3%		2.6%
ppb Barite	47 ppb		37 ppb
Estimated Total LCM in System			
Sample Taken By			M.Meehan

MUD VOLUME (BBL)

In Pits	720 bbl
In Hole	340 bbl
Active	1060 bbl
Storage	1273 bbl
Tot. on Location	2333 bbl

PUMP #1

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	94
gal/min	361

PUMP #2

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	94
gal/min	361

RISER BOOSTER

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

Mud Wt. = 9.3 PV=13 YP=8 **CIRCULATION DATA** n = 0.695 K = 140.3

Bit Depth = 3,987 ' Washout = 2% Pump Efficiency = 95%

Drill String Disp.							
34.5 bbl	Volume to Bit	52.6 bbl	Strokes To Bit	575	Time To Bit	3 min
	Bottoms Up Vol.	287.5 bbl	BottomsUp Stks	3,141	BottomsUp Time	17 min
	Riser Ann. Vol.	-2.1 bbl	Riser Strokes	-23	Riser Circ. Time	0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	3,411'	
Hevi Wt	4.500	3.000	278'	3,411'
Collars	6.500	2.370	187'	3,689'
Dir. BHA	8.000	2.500	111'	3,876'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.925	2,769'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	10.073		3,987'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
0x4.5	108'	-874.8		9.94
9.925x4.5	2,769'	226.4	lam	10.14
10.073x4.5	3,411'	218.1	lam	10.68
10.073x4.5	3,689'	218.1	lam	11.26
10.073x6.5	3,876'	299.2	turb	11.84
10.073x8	3,987'	472.8	turb	12.48

BIT DATA Manuf./Type ULTERRA 613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,769 ft	6.0	1,218 ft	203.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	6.0
Shaker 2	140	6.0
Shaker 3	140	6.0
Centrifuge 1		1.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2347.6
Transferred In(+)/Out(-)	
Oil Added (+)	100.2
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	5.3
Left on Cuttings (-)	-120.0
Sand Trap Discharge	
Est. Total on Location	2333.1
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.11	201 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
542 lbs	156			

Motor/MWD	Calc. Circ. Pressure
1,750 psi	3,453 psi

Afternoon Remarks/Recommendations:

Pump a 10 bbl LCM sweep every 300 ft. Sweep Contains:

10 ppb NewCarb, 10 ppb Newphalt and 10 ppb Magnafiber fine

Afternoon Rig Activity:

Drilling ahead and sliding as needed to maintain the angle in the vertical section. Pumping a 10 bbl LCM sweep every 300 ft. Added 100 gal Optimul and Lime to maintain the emulsion. Added Lime for alkalinity. Added Calcium Chloide to increase the salinity. Adding Bentone 910 and Bentone 990 to increase the Yield Point and 6/3 RPM readings. Adding increased amounts of whole mud and diesel to maintain volume due to rapid ROP.

7/21/2020 **Report 4 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

0.4° **9,244' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**1,689 ft**	**9,440 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**181 ft/hr**	**Drilling**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/ KEVIN BURT	**Tool Pusher**	**GIDDIGNS**	**OBM**	**723 gpm**	**3,620 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9.3-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<8 <11**	**<8**

MUD PROPERTIES

Time Sample Taken	2:00	18:15	11:00
Sample Location	suction	suction	suction
Flowline Temperature °F	154 °F	134 °F	160 °F
Depth (ft)	7,560'	5,874'	9,440'
Mud Weight (ppg)	9.3	9.4	9.3
Funnel Vis (sec/qt) @ 140 °F	39	43	39
600 rpm	37	37	35
300 rpm	23	23	22
200 rpm	17	19	17
100 rpm	12	12	12
6 rpm	6	6	6
3 rpm	5	5	5
Plastic Viscosity (cp) @ 150 °F	14	14	13
Yield Point (lb/100 ft²) T0 = 4	9	9	9
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/8	6/9	6/9
Gel Strength (lb/100 ft2) 30 min	11	11	11
HTHP Filtrate (cm/30 min) @ 300 °F	6.8	8.0	6.2
HTHP Cake Thickness (32nds)	2.0	2.0	2.0
Retort Solids Content	11.2%	11.7%	11.2%
Corrected Solids (vol%)	9.6%	10.3%	9.6%
Retort Oil Content	69.8%	67%	69.8%
Retort Water Content	19%	21.3%	19%
O/W Ratio	79:21	76:24	79:21
Whole Mud Chlorides (mg/L)	40,000	38,000	41,000
Water Phase Salinity (ppm)	248,190	218,599	252,826
Whole Mud Alkalinity, Pom	1.6	1.4	1.5
Excess Lime (lb/bbl)	2.1 ppb	1.8 ppb	2 ppb
Electrical Stability (volts)	399 v	302 v	408 v
Average Specific Gravity of Solids	2.88	2.85	2.87
Percent Low Gravity Solids	6.7%	7.3%	6.8%
ppb Low Gravity Solids	55 ppb	60 ppb	56 ppb
Percent Barite	2.9%	2.9%	2.9%
ppb Barite	42 ppb	42 ppb	41 ppb
Estimated Total LCM in System			
Sample Taken By	R. Bowlin	R. Bowlin	M.Meehan

MUD VOLUME (BBL)

In Pits	540 bbl
In Hole	822 bbl
Active	1362 bbl
Storage	1405 bbl
Tot. on Location	2767 bbl

PUMP #1

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	94
gal/min	361

PUMP #2

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	94
gal/min	361

RISER BOOSTER

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

Mud Wt. = 9.3 PV=14 YP=9 **CIRCULATION DATA** n = 0.686 K = 162.8

Bit Depth = 9,440 ' Washout = Pump Efficiency = 95%

Drill String Disp.							
64.2 bbl	Volume to Bit	130.2 bbl	Strokes To Bit	1,422	Time To Bit	8 min
	Bottoms Up Vol.	692.2 bbl	BottomsUp Stks	7,562	BottomsUp Time	40 min
	Riser Ann. Vol.	-2.1 bbl	Riser Strokes	-23	Riser Circ. Time	0 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	8,864'	
Hevi Wt	4.500	3.000	278'	8,864'
Collars	6.500	2.370	187'	9,142'
Dir. BHA	8.000	2.500	111'	9,329'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.925	2,769'	108'
Int. Csg.				108'
Washout 1				
Washout 2				
Open Hole Size	9.875	9,440'		

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
0x4.5	108'	-874.8		9.47
9.925x4.5	2,769'	226.4	lam	9.64
9.875x4.5	8,864'	229.3	lam	9.69
9.875x4.5	9,142'	229.3	lam	9.86
9.875x6.5	9,329'	320.5	turb	10.02
9.875x8	9,440'	528.6	turb	10.21

BIT DATA Manuf./Type ULTERRA 613

Size	Depth In	Hours	Footage	ROP ft/hr
9 7/8	2,769 ft	28.0	6,671 ft	238.3

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	140	10.0
Shaker 2	140	10.0
Shaker 3	140	10.0
Centrifuge 1		2.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2775.5
Transferred In(+)/Out(-)	
Oil Added (+)	98.3
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	5.5
Left on Cuttings (-)	-112.0
Evap/ Cent/ Pits	
Non-Recoverable Vol. (-)	
Est. Total on Location	2767.3
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
1.11	201 psi	14	14	14
Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14
		16	16	16
542 lbs	156			

Motor/MWD 925 psi Calc. Circ. Pressure 3,843 psi

Afternoon Remarks/Recommendations:

Pump a 10 bbl LCM sweep every 300 ft. Sweep Contains:

10 ppb NewCarb, 10 ppb Newphalt and 10 ppb Magnafiber fine

Afternoon Rig Activity:

Drilling ahead and sliding as needed to maintain the angle in the intermediate section. Pumping a 10 bbl LCM sweep every 300 ft. Added 50 gal Optimul and Lime to maintain the emulsion. Added Lime for alkalinity. Added Calcium Chloide to increase the salinity. Adding increased amounts of whole mud and diesel to maintain volume due to rapid ROP.

07/23/20 **Report #6**

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

OUTSOURCE FLUID SOLUTIONS LLC.

8.6° **7,416' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**0 ft**	**10,249 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**0 ft/hr**	**Run Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**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	700 bbl	Liner Size	5.75	Liner Size	5.75	Liner Size	
9.3-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<8 <11**	**<8**	In Hole	883 bbl	Stroke	12	Stroke	12	Stroke	
				7/23/20		7/22/20	Active	1332 bbl	bbl/stk	0.0915	bbl/stk	0.0915	bbl/stk	0.0000
Time Sample Taken				2:00		13:30	Storage	1165 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				Suction		suction	Tot. on Location	2748 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F						160 °F	PHHP = 0		CIRCULATION DATA				n = 0.678	K = 148.626
Depth (ft)				10,249'		10,249'	Bit Depth = 7,600 '		Washout =				Pump Efficiency = 95%	
Mud Weight (ppg)				9.3		9.7	Drill String Disp.	Volume to Bit 349.0 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)			@ 100 °F	38		44		Bottoms Up Vol. 283.0 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				32		38	80.3 bbl	Riser Ann. Vol. -6.1 bbl	Riser Strokes				Riser Circ. Time	
300 rpm				20		24	DRILLING ASSEMBLY DATA						SOLIDS CONTROL	
200 rpm				16		19	Tubulars	OD (in.) ID (in.) Length Top					Unit Screens Hours	
100 rpm				14		13	Casing	7.625 6.875 7,600' 0'					Shaker 1 140 24.0	
6 rpm				6		6		7,600'					Shaker 2 140 24.0	
3 rpm				5		5		7,600'					Shaker 3 140 24.0	
Plastic Viscosity (cp)			@ 150 °F	12		14		7,600'						
Yield Point (lb/100 ft²)			T0 = 4	8		10	CASING & HOLE DATA							
Gel Strength (lb/100 ft²)			10 sec/10 min	6/10		6/10	Casing	OD (in.) ID (in.) Depth Top					Centrifuge 1 4.0	
Gel Strength (lb/100 ft^2)			30 min	12		11	Riser	20 108'					VOLUME ACCOUNTING (bbls)	
HTHP Filtrate (cm/30 min)			@ 300 °F	8.0		6.0	Surface	10 3/4 9.925 2,769' 108'					Prev. Total on Location 2776.3	
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	108'					Transferred In(+)/Out(-)	
Retort Solids Content				10%		12.5%	Washout 1						Oil Added (+) 28.0	
Corrected Solids (vol%)				8.3%		10.9%	Washout 2						Barite Added (+) 0.0	
Retort Oil Content				70%		68.5%	Open Hole Size	9.875 10,249'					Other Product Usage (+) 0.0	
Retort Water Content				20%		19%	ANNULAR GEOMETRY & RHEOLOGY						Water Added (+)	
O/W Ratio				78:22		78:22	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							Evap/ Cent/ Pits -16.0	
Water Phase Salinity (ppm)				247,723		252,826	0x7.625	108'	0.0		9.30		Non-Recoverable Vol. (-) -40.4	
Whole Mud Alkalinity, Pom				1.5		1.5	9.925x7.625	2,769'	0.0	lam	9.30		Est. Total on Location 2747.9	
Excess Lime (lb/bbl)				2 ppb		2 ppb	9.875x7.625	7,600'	0.0	lam	9.30		Est. Losses/Gains (-)/(+) 0.0	
Electrical Stability (volts)				450 v		435 v							BIT HYDRAULICS DATA	
Average Specific Gravity of Solids				3.14		3.07							Bit H.S.I. Bit ΔP Nozzles (32nds)	
Percent Low Gravity Solids				4.6%		6.4%								
ppb Low Gravity Solids				37 ppb		53 ppb							Bit Impact Force Nozzle Velocity (ft/sec)	
Percent Barite				3.8%		4.5%								
ppb Barite				54 ppb		64 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: _2,780bbls / OBM RETURNED:

OBM ON SURFACE__1,165bbls (Storage)__702bbls (Active)

OBM LOSS/GAIN--(Daily -) _Total (-14)

Rig Activity:

POOH lay down all 5" DP and BHA. Pick up and rig up Casing running tools and start running 7 5/8" Intermediate casing in the hole. While running Casing circulate active system and reduce density to 9.3ppg MW with the intruduction of Diesel and Centrifuge useage. At this time we continue running Casing pasing 7600'.

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

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

	Daily Total	Cumulative Cost
	$4,367.61	**$30,324.24**
INCLUDING 3RD PARTY CHARGES	**$5,917.29**	**$62,242.68**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/23/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #6

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	112		112			112	$1,603.84
LIME (50)	50# sk	$5.00	250		250			100	$500.00
OPTI - G	50# sk	$30.59	120		120			40	$1,223.60
BENTONE 38 (50)	50# sk	$163.94	24		24				
BENTONE 910 (50)	50# sk	$59.40	62		62			4	$237.60
BENTONE 990 (50)	50# sk	$83.59	40		40			6	$501.54
OPTI - MUL	gal	$10.75	475		475			150	$1,612.50
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	131		131			19	$735.68
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	98		98			22	$115.50
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	52		52			42	$1,178.10
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37	15		15				
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	580	928	1508			620	$4,340.00
OPTI DRILL (OBM)	bbl	$65.00	2776		2776			14	$910.00
DISCOUNTED OBM	bbl	$15.00							
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	10	$9,250.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	10	$300.00
ENGINEERING (MILES)	each	$1.00						1000	$1,000.00
TRUCKING (cwt)	each	$2.65				927	$2,457.61	1247	$3,304.66
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $4,367.61			Cumulative Total $30,324.24			$30,324.24	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/23/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #6

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	250		250				
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50				
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32	182			182	$240.24	7200	$9,504.00
OBM_D 7/21	gal	$1.32	7402		6410	992	$1,309.44	992	$1,309.44
DIESEL DELIVERY 7/22/20	gal	$1.35		7402	7402				

Daily Sub-Total $1,549.68

$31,918.44

Cumulative Total AES & 3rd Party $62,242.68

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8																	
	Starting Depth	2,769	2,769	7,751	10,249	10,249																
	Ending Depth	2,769	7,751	10,249	10,249																	
7,480	Footage Drilled	-	4,982	2,498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
709	New Hole Vol.	-	472	237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748
24	Chemical Additions		19	5	-																	
579	Base Fluid Added		315	235	29																	
47	Barite Increase			47	-																	
468	Weighted Mud Added		468		-																	
-	Slurry Added				-																	
21	Water Added		5	16	-																	
4	Added for Washout			4	-																	
1,143	Total Additions	-	807	307	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	Surface Losses		31	40	-																	
15	Formation Loss			15	-																	
567	Mud Loss to Cuttings		330	237	-																	
40	Unrecoverable Volume				40																	
49	Centrifuge Losses		18	15	16																	
743	Total Losses	-	379	307	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,748	Ending System Volume	2,348	2,776	2,776	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748
36	Mud Recovered		36																			

2,816

Comments:		Comments:	Comments:
7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	8/3/20
7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	8/4/20
7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	8/5/20
7/23/20	Running Casing in the hole.	7/30/20	8/6/20
7/24/20		7/31/20	8/7/20
7/25/20		8/1/20	8/8/20
7/26/20		8/2/20	8/9/20

7/23/2020 **Report 6 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**		**10,249 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**		**Change pipe rams**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9.3-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<8 <11**	**<8**

MUD PROPERTIES

Time Sample Taken	2:00		13:30
Sample Location	Suction		suction
Flowline Temperature °F			
Depth (ft)	10,249'		10,260'
Mud Weight (ppg)	9.3		9.3
Funnel Vis (sec/qt) @ 125 °F	38		41
600 rpm	32		36
300 rpm	20		23
200 rpm	16		17
100 rpm	14		15
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	12		13
Yield Point (lb/100 ft²) T0 = 4	8		10
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/10		6/9
Gel Strength (lb/100 ft2) 30 min	12		11
HTHP Filtrate (cm/30 min) @ 300 °F	8.0		8.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	10%		10%
Corrected Solids (vol%)	8.3%		8.4%
Retort Oil Content	70%		70%
Retort Water Content	20%		20%
O/W Ratio	78:22		78:22
Whole Mud Chlorides (mg/L)	42,000		41,000
Water Phase Salinity (ppm)	247,723		243,260
Whole Mud Alkalinity, Pom	1.5		1.5
Excess Lime (lb/bbl)	2 ppb		2 ppb
Electrical Stability (volts)	450 v		420 v
Average Specific Gravity of Solids	3.14		3.14
Percent Low Gravity Solids	4.6%		4.6%
ppb Low Gravity Solids	37 ppb		38 ppb
Percent Barite	3.8%		3.8%
ppb Barite	54 ppb		54 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M Washburn

MUD VOLUME (BBL)

In Pits	636 bbl
In Hole	465 bbl
Active	636 bbl
Storage	1642 bbl
Tot. on Location	2743 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

Mud Wt. = 9.3 PV=12 YP=8 **CIRCULATION DATA** n = 0.678 K = 148.6

Washout = Pump Efficiency = 95%

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

DRILLING ASSEMBLY DATA

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

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser	20		108'	
Surface	10 3/4	9.925	2,769'	108'
Int. Csg.	7 5/8	6.875	10,239'	108'
Washout 1				
Washout 2				
Open Hole Size			10,249'	

ANNULAR GEOMETRY & RHEOLOGY

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

BIT DATA Manuf./Type

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
						#DIV/0!

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2747.9
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Cent/ Pits	
Non-Recoverable Vol. (-)	
Est. Total on Location	2747.9
Est. Losses/Gains (-)/(+)	-4.8

BIT HYDRAULICS DATA

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

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Run 7-5/8" 29.7# P110 intermediate casing to 10239' circulate and reduce mud wt to 9.3. Rig up cementers, attend pre cement safety and procedures meeting on rig floor. Test lines to 5000 PSI, pump 40 bbls 10.5# spacer, 299 bbls 11.8# lead, 78 bbls 16.2 tail, displace cement with 9.3# active mud. Observe 40 bbls spacer and 6 bbls cement at surface divert same to disposal. Currently changing pipe rams, circulating mud in active system reducing mud wt from 9.3# to 9.0# with additions of diesel and centrifuging.

07/24/20 **Report #7**

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

OUTSOURCE FLUID SOLUTIONS LLC.

1.0° **500' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**0 ft**	**10,249 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**0 ft/hr**	**Pick up 4.5"DP**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS						
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<8 <11**	**<8**
				7/24/20		7/23/20
Time Sample Taken				2:00		13:30
Sample Location				Suction		suction
Flowline Temperature °F						
Depth (ft)				10,249'		10,260'
Mud Weight (ppg)				9.1		9.3
Funnel Vis (sec/qt)			@ 100 °F	36		41
600 rpm				30		36
300 rpm				19		23
200 rpm				16		17
100 rpm				12		15
6 rpm				5		6
3 rpm				4		5
Plastic Viscosity (cp)			@ 150 °F	11		13
Yield Point (lb/100 ft²)			T0 = 3	8		10
Gel Strength (lb/100 ft²)			10 sec/10 min	6/10		6/9
Gel Strength (lb/100 ft^2)			30 min	12		11
HTHP Filtrate (cm/30 min)			@ 300 °F	8.0		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				9%		10%
Corrected Solids (vol%)				7.3%		8.4%
Retort Oil Content				71%		70%
Retort Water Content				20%		20%
O/W Ratio				78:22		78:22
Whole Mud Chlorides (mg/L)				42,000		41,000
Water Phase Salinity (ppm)				247,723		243,260
Whole Mud Alkalinity, Pom				1.0		1.5
Excess Lime (lb/bbl)				1.3 ppb		2 ppb
Electrical Stability (volts)				455 v		420 v
Average Specific Gravity of Solids				3.05		3.14
Percent Low Gravity Solids				4.4%		4.6%
ppb Low Gravity Solids				36 ppb		38 ppb
Percent Barite				2.9%		3.8%
ppb Barite				42 ppb		54 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M Washburn

MUD VOLUME (BBL)

In Pits	647 bbl
In Hole	470 bbl
Active	670 bbl
Storage	1642 bbl
Tot. on Location	2759 bbl

PUMP #1

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

PUMP #2

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
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 = 0.659 K = 159.065

Bit Depth = 500 ' Washout = Pump Efficiency = 95%

Drill String Disp.				
0.0 bbl	Volume to Bit	0.0 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	23.0 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol.	670.0 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
			500'	0'
				500'
				500'
				500'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	0'
Int. Csg.	7 5/8	6.875	10,239'	0'
Washout 1				
Washout 2				
Open Hole Size		0.000	10,249'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x0	500'	0.0	lam	9.05

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	6.0
Shaker 2	140	6.0
Shaker 3	140	6.0
Centrifuge 1		6.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2747.9
Transferred In(+)/Out(-)	
Oil Added (+)	37.1
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Evap/ Cent/ Pits	-25.9
Non-Recoverable Vol. (-)	
Est. Total on Location	2759.2
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

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

Remarks/Recommendations:

OBM RECEIVED: _2,780bbls / OBM RETURNED:

OBM ON SURFACE__1,165bbls (Storage)__702bbls (Active)

OBM LOSS/GAIN--(Daily -) _Total (-14)

Rig Activity:

Completed Cement job on Intermediate casing. Rig Down Cementing tools. 40bbls of spacer back to surface and 6bbls of Cement. Dispose same overt to open top tanks. Secure well and start on testing BOP's. Cut back OBM in the active system down to 9#. with Diesel additions and Centrifuge usage. At time of report, Picking up BHA and 4.5" DP for production drilling.

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	2	1

	Daily Total	Cumulative Cost
	$1,910.00	**$32,234.24**
INCLUDING 3RD PARTY CHARGES	**$3,969.20**	**$66,211.88**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/24/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #7

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	112		112			112	$1,603.84
LIME (50)	50# sk	$5.00	250		250			100	$500.00
OPTI - G	50# sk	$30.59	120		120			40	$1,223.60
BENTONE 38 (50)	50# sk	$163.94	24		24				
BENTONE 910 (50)	50# sk	$59.40	62		62			4	$237.60
BENTONE 990 (50)	50# sk	$83.59	40		40			6	$501.54
OPTI - MUL	gal	$10.75	475		475			150	$1,612.50
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	131		131			19	$735.68
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	98		98			22	$115.50
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	52		52			42	$1,178.10
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37	15		15				
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	1508		1508			620	$4,340.00
OPTI DRILL (OBM)	bbl	$65.00	2776		2776			14	$910.00
DISCOUNTED OBM	bbl	$15.00							
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						1000	$1,000.00
TRUCKING (cwt)	each	$2.65						1247	$3,304.66
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $1,910.00			**Cumulative Total $32,234.24**			**$32,234.24**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/24/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #7

DAILY USAGE & COST / **CUMULATIVE**

Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	250		250				
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50				
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32						7200	$9,504.00
OBM_D 7/21	gal	$1.32	6410		4850	1560	$2,059.20	2552	$3,368.64
DIESEL DELIVERY 7/22/20	gal	$1.35	7402		7402				
						Daily Sub-Total	$2,059.20		$33,977.64

Cumulative Total AES & 3rd Party $66,211.88

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4																
	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249															
	Ending Depth	2,769	7,751	10,249	10,249	10,249																
7,480	Footage Drilled	-	4,982	2,498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
709	New Hole Vol.	-	472	237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759
24	Chemical Additions		19	5	-	-																
616	Base Fluid Added		315	235	29	37																
47	Barite Increase			47	-	-																
468	Weighted Mud Added		468		-	-																
-	Slurry Added				-	-																
21	Water Added		5	16	-	-																
4	Added for Washout			4	-	-																
1,180	Total Additions	-	807	307	29	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	Surface Losses		31	40	-	-																
15	Formation Loss			15	-	-																
567	Mud Loss to Cuttings		330	237	-	-																
40	Unrecoverable Volume				40	-																
75	Centrifuge Losses		18	15	16	26																
769	Total Losses	-	379	307	56	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,759	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759
36	Mud Recovered		36																			

2,816

Comments:		Comments:	Comments:
7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	8/3/20
7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	8/4/20
7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	8/5/20
7/23/20	Running Casing in the hole.	7/30/20	8/6/20
7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20	8/7/20
7/25/20		8/1/20	8/8/20
7/26/20		8/2/20	8/9/20

7/24/2020 **Report 7 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

15.0° **3,951' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**		**10,249 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**		**Pick up 4.5" DP**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<8 <11**	**<8**

MUD PROPERTIES

Time Sample Taken	2:00		13:30
Sample Location	Suction		suction
Flowline Temperature °F			
Depth (ft)	10,249'		10,260'
Mud Weight (ppg)	9.1		9.1
Funnel Vis (sec/qt) @ 102 °F	36		40
600 rpm	30		35
300 rpm	19		22
200 rpm	16		17
100 rpm	12		14
6 rpm	5		5
3 rpm	4		4
Plastic Viscosity (cp) @ 150 °F	11		13
Yield Point (lb/100 ft²) T0 = 3	8		9
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/10		6/9
Gel Strength (lb/100 ft2) 30 min	12		10
HTHP Filtrate (cm/30 min) @ 300 °F	8.0		8.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	9%		9.5%
Corrected Solids (vol%)	7.3%		7.9%
Retort Oil Content	71%		70.5%
Retort Water Content	20%		20%
O/W Ratio	78:22		78:22
Whole Mud Chlorides (mg/L)	42,000		42,000
Water Phase Salinity (ppm)	247,723		247,723
Whole Mud Alkalinity, Pom	1.0		1.2
Excess Lime (lb/bbl)	1.3 ppb		1.6 ppb
Electrical Stability (volts)	455 v		440 v
Average Specific Gravity of Solids	3.05		2.97
Percent Low Gravity Solids	4.4%		5.1%
ppb Low Gravity Solids	36 ppb		42 ppb
Percent Barite	2.9%		2.8%
ppb Barite	42 ppb		40 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M Washburn

MUD VOLUME (BBL)

In Pits	647 bbl
In Hole	426 bbl
Active	787 bbl
Storage	1642 bbl
Tot. on Location	2715 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

Mud Wt. = 9.1 PV=11 YP=8 **CIRCULATION DATA** n = 0.659 K = 159.1

Bit Depth = 4,034 ' | Washout = | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	35.2 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	105.2 bbl	BottomsUp Stks	BottomsUp Time
44.8 bbl	TotalCirc.Vol.	787.4 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	1,290'	
Collars	5.000	3.000	35'	1,290'
Hevi Wt	4.500	2.500	2,593'	1,325'
Dir. BHA	5.000	2.688	116'	3,918'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4	9.925	2,769'	
Int. Csg.	7 5/8	6.875	10,239'	
Washout 1				
Washout 2				
Open Hole Size		6.750	10,249'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	1,290'		lam	9.05
6.875x5	1,325'		lam	9.05
6.875x4.5	3,918'		lam	9.05
6.875x5	4,034'		lam	9.05

BIT DATA Manuf./Type ULTERRA RPS 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,249 ft			#DIV/0!

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2759.1
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Evap/ Cent/ Pits	
Non-Recoverable Vol. (-)	
Est. Total on Location	2759.1
Est. Losses/Gains (-)/(+)	-44.4

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
	69 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Make up 6.75" bit and directional BHA and test. Pick up 4-1/2" HWDP, 5" Agitator and 4-1/2" DP, pipe depth at time of report is 4034. Reducing mud wt in pits from 9.3 to 9.0 in preparation for drill out and FIT test. After mud system heats up will change shale shaker screens from 140 mesh to 170 mesh panels, utiliziing screens used in previous section before installing new panels. Secure inventory for potential heavy rains and winds from Tropical Storm Hanna.

07/25/20 **Report #8**

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

OUTSOURCE FLUID SOLUTIONS LLC.

19.4° **10,277' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**242 ft**	**10,502 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**61 ft/hr**	**Drilling Curve**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**OBM**	**446 gpm**	**4,050 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<8 <11**	**<8**
				7/25/20		7/24/20
Time Sample Taken				2:00		13:30
Sample Location				Suction		suction
Flowline Temperature °F				120 °F		
Depth (ft)				10,358'		10,260'
Mud Weight (ppg)				9.0		9.1
Funnel Vis (sec/qt)			@ 110 °F	40		40
600 rpm				33		35
300 rpm				21		22
200 rpm				18		17
100 rpm				14		14
6 rpm				6		5
3 rpm				5		4
Plastic Viscosity (cp)			@ 150 °F	12		13
Yield Point (lb/100 ft²)			T0 = 4	9		9
Gel Strength (lb/100 ft²)			10 sec/10 min	6/9		6/9
Gel Strength (lb/100 ft^2)			30 min	11		10
HTHP Filtrate (cm/30 min)			@ 300 °F	8.0		8.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				9%		9.5%
Corrected Solids (vol%)				7.3%		7.9%
Retort Oil Content				70%		70.5%
Retort Water Content				21%		20%
O/W Ratio				77:23		78:22
Whole Mud Chlorides (mg/L)				43,000		42,000
Water Phase Salinity (ppm)				243,046		247,723
Whole Mud Alkalinity, Pom				1.7		1.2
Excess Lime (lb/bbl)				2.2 ppb		1.6 ppb
Electrical Stability (volts)				441 v		440 v
Average Specific Gravity of Solids				2.94		2.97
Percent Low Gravity Solids				4.9%		5.1%
ppb Low Gravity Solids				40 ppb		42 ppb
Percent Barite				2.4%		2.8%
ppb Barite				35 ppb		40 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M Washburn

MUD VOLUME (BBL)

In Pits	671 bbl
In Hole	402 bbl
Active	1073 bbl
Storage	1642 bbl
Tot. on Location	2715 bbl

PUMP #1

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	58
gal/min	223

PUMP #2

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	58
gal/min	223

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 1054 n = 0.652 K = 183.523

Bit Depth = 10,502 ' Washout = Pump Efficiency = 95%

Drill String Disp.						
80.1 bbl	Volume to Bit	127.2 bbl	Strokes To Bit	1,389	Time To Bit	12 min
	Bottoms Up Vol.	274.5 bbl	BottomsUp Stks	2,999	BottomsUp Time	26 min
	TotalCirc.Vol.	1072.6 bbl	TotalCirc.Stks	11,718	Total Circ. Time	101 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	7,756'	0'
Agitatior	5.000	3.000	36'	7,756'
Drill Pipe	4.500	2.500	2,593'	7,792'
Dir. BHA	5.000	2.688	117'	10,385'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	0'
Int. Csg.	7 5/8	6.875	10,239'	0'
Washout 1				
Washout 2				
Open Hole Size		6.750	10,502'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	7,756'	404.6	turb	10.08
6.875x5	7,792'	490.9	turb	10.13
6.875x4.5	10,239'	404.6	turb	10.15
6.75x4.5	10,385'	431.8	turb	10.20
6.75x5	10,502'	531.6	turb	10.25

BIT DATA Manuf./Type ULTERRA RPS 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,249 ft	4.0	242 ft	60.5

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	12.0
Shaker 2	170	12.0
Shaker 3	140	12.0
Centrifuge 1		2.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2759.1
Transferred In(+)/Out(-)	
Oil Added (+)	77.1
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	20.0
Left on Cuttings (-)	-10.7
Evap/ Cent/ Pits	-15.0
Non-Recoverable Vol. (-)	-115.9
Est. Total on Location	2714.6
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.86	119 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
253 lbs	121			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	5,419 psi

Remarks/Recommendations:

OBM RECEIVED: _2,780bbls / OBM RETURNED:

OBM ON SURFACe--1,642bbls (Storage)---671bbls (Active)

OBM LOSS/GAIN--(Daily -)------Total (-14bbls)

Rig Activity:

Pick up New BHA and start to pick up 4.5" DP. Circulate Active system while TIH, Monitor MW and maintain 9ppb. Tag top of float collar, initiate circulation and start drilling shoe track. Drilled 10' of new formation and perform FIT to 13EMW (2050psi). Test good. Resume drilling operations on Curve section of the well. Maintain MW 9ppg with additions of diesel and Centrifuge application. change screens on 2 shakers to API 170, for solids control, Run Centrifuge 1hr/2hrs off, to assist on same. At the time of report Drilling ahead passing 10516'.

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

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
	$1,910.00	**$34,144.24**
INCLUDING 3RD PARTY CHARGES	**$6,184.16**	**$72,396.04**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/25/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #8

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	112		112			112	$1,603.84
LIME (50)	50# sk	$5.00	250		250			100	$500.00
OPTI - G	50# sk	$30.59	120		120			40	$1,223.60
BENTONE 38 (50)	50# sk	$163.94	24		24				
BENTONE 910 (50)	50# sk	$59.40	62		62			4	$237.60
BENTONE 990 (50)	50# sk	$83.59	40		40			6	$501.54
OPTI - MUL	gal	$10.75	475		475			150	$1,612.50
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	131		131			19	$735.68
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	98		98			22	$115.50
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	52		52			42	$1,178.10
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37	15		15				
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	1508		1508			620	$4,340.00
OPTI DRILL (OBM)	bbl	$65.00	2776		2776			14	$910.00
DISCOUNTED OBM	bbl	$15.00							
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						1000	$1,000.00
TRUCKING (cwt)	each	$2.65						1247	$3,304.66
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $1,910.00			Cumulative Total $34,144.24			$34,144.24	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/25/20	**MAGNOLIA OIL & GAS**	**DIETZ OL UNIT 3H**	**248**	**Report #8**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	250		250				
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50				
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32						7200	$9,504.00
OBM_D 7/21	gal	$1.32	4850		1612	3238	$4,274.16	5790	$7,642.80
DIESEL DELIVERY 7/22/20	gal	$1.35	7402		7402				
DIESEL DELIVERY 7/24/20	gal	$1.35		7402	7402				
						Daily Sub-Total	**$4,274.16**	**$38,251.80**	

Cumulative Total AES & 3rd Party $72,396.04

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4															
	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502														
7,733	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502															
720	Footage Drilled	-	4,982	2,498	-	-	253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	New Hole Vol.	-	472	237	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715
24	Chemical Additions		19	5	-	-	-															
693	Base Fluid Added		315	235	29	37	77															
47	Barite Increase			47	-	-	-															
468	Weighted Mud Added		468		-	-	-															
-	Slurry Added				-	-	-															
41	Water Added		5	16	-	-	20															
4	Added for Washout			4	-	-	-															
1,277	Total Additions	-	807	307	29	37	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	Surface Losses		31	40	-	-																
15	Formation Loss			15	-	-																
578	Mud Loss to Cuttings		330	237	-	-	11															
156	Unrecoverable Volume				40	-	116															
90	Centrifuge Losses		18	15	16	26	15															
910	Total Losses	-	379	307	56	26	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,715	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715	2,715
36	Mud Recovered		36																			

2,816

Comments:		Comments:	Comments:
7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	8/3/20
7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	8/4/20
7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	8/5/20
7/23/20	Running Casing in the hole.	7/30/20	8/6/20
7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20	8/7/20
7/25/20	TIH resume drilling on curve section.	8/1/20	8/8/20
7/26/20		8/2/20	8/9/20

7/25/2020 **Report 8 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

79.7° **10,497' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**711 ft**	**10,960 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**60 ft/hr**	**DRLG CURVE**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**OBM**	**454 gpm**	**3,980 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<8 <11**	**<8**

MUD PROPERTIES

Time Sample Taken	2:00		13:30
Sample Location	Suction		suction
Flowline Temperature °F	120 °F		
Depth (ft)	10,358'		10,960'
Mud Weight (ppg)	9.0		9.0
Funnel Vis (sec/qt) @ 135 °F	40		46
600 rpm	33		32
300 rpm	21		21
200 rpm	18		17
100 rpm	14		15
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	12		11
Yield Point (lb/100 ft²) T0 = 4	9		10
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) @ 300 °F	8.0		7.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	9%		9.5%
Corrected Solids (vol%)	7.3%		7.6%
Retort Oil Content	70%		67.5%
Retort Water Content	21%		23%
O/W Ratio	77:23		75:25
Whole Mud Chlorides (mg/L)	43,000		49,000
Water Phase Salinity (ppm)	243,046		250,414
Whole Mud Alkalinity, Pom	1.7		1.1
Excess Lime (lb/bbl)	2.2 ppb		1.4 ppb
Electrical Stability (volts)	441 v		445 v
Average Specific Gravity of Solids	2.94		2.72
Percent Low Gravity Solids	4.9%		6%
ppb Low Gravity Solids	40 ppb		49 ppb
Percent Barite	2.4%		1.6%
ppb Barite	35 ppb		23 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M Washburn

MUD VOLUME (BBL)

In Pits	651 bbl
In Hole	419 bbl
Active	1070 bbl
Storage	1642 bbl
Tot. on Location	2712 bbl

PUMP #1

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	59
gal/min	227

PUMP #2

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	59
gal/min	227

RISER BOOSTER

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

Mud Wt. = 9.0 PV=12 YP=9 **CIRCULATION DATA** n = 0.652 K = 183.5

Bit Depth = 10,960 ' | Washout = | Pump Efficiency = 95%

Drill String Disp.							
82.6 bbl	Volume to Bit	133.7 bbl	Strokes To Bit	1,460	Time To Bit	12 min
	Bottoms Up Vol.	285.7 bbl	BottomsUp Stks	3,122	BottomsUp Time	26 min
	TotalCirc.Vol.	1070.4 bbl	TotalCirc.Stks	11,694	Total Circ. Time	99 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	8,214'	
Agitatior	5.000	3.000	36'	8,214'
Drill Pipe	4.500	2.500	2,593'	8,250'
Dir. BHA	5.000	2.688	117'	10,843'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	
Int. Csg.	7 5/8	6.875	10,239'	
Washout 1				
Washout 2				
Open Hole Size	6.750		10,960'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	8,214'	411.6	turb	10.11
6.875x5	8,250'	499.4	turb	10.16
6.875x4.5	10,239'	411.6	turb	10.18
6.75x4.5	10,843'	439.3	turb	10.25
6.75x5	10,960'	540.7	turb	10.32

BIT DATA Manuf./Type ULTERRA RPS 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,249 ft	4.0	242 ft	60.5

SOLIDS CONTROL

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

Centrifuge 1

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2714.6
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	-31.5
Evap/ Cent/ Pits	
Non-Recoverable Vol. (-)	
Est. Total on Location	2683.2
Est. Losses/Gains (-)/(+)	29.2

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.91	123 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
261 lbs	124			

Motor/MWD 2,240 psi | Calc. Circ. Pressure 5,593 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Sliding and rotating 6 3/4" hole section, orienting curve, last survey was 79 deg inclination, and sample were 100% AC. Maintain mud wt at 9.0 adding OPTIMUL and Lime to increase emulsion and alkalinity, and OPTIG, gilsonite for wellbore integrity and HTHP fluid loss reduction. Will start pumping LCM sweeps when curve is landed. Secure chemical inventory for potential heavy rains and winds from Tropical Storm Hanna.

07/26/20 **Report #9**

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

OUTSOURCE FLUID SOLUTIONS LLC.

93.5° **10,466' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**1,880 ft**	**12,382 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**94 ft/hr**	**Drilling Lateral**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**OBM**	**400 gpm**	**1,256 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<8 <11**	**<8**
				7/26/20		7/25/20
Time Sample Taken				2:00		13:30
Sample Location				Suction		suction
Flowline Temperature °F				150 °F		140 °F
Depth (ft)				12,141'		10,960'
Mud Weight (ppg)				9.0		9.0
Funnel Vis (sec/qt)			@ 130 °F	40		46
600 rpm				29		32
300 rpm				19		21
200 rpm				15		17
100 rpm				12		15
6 rpm				6		6
3 rpm				5		5
Plastic Viscosity (cp)			@ 150 °F	10		11
Yield Point (lb/100 ft²)			T0 = 4	9		10
Gel Strength (lb/100 ft²)			10 sec/10 min	6/9		6/9
Gel Strength (lb/100 ft^2)			30 min	12		10
HTHP Filtrate (cm/30 min)			@ 300 °F	6.0		7.0
HTHP Cake Thickness (32nds)				2.0		2.0
Retort Solids Content				10%		9.5%
Corrected Solids (vol%)				8.3%		7.6%
Retort Oil Content				69%		67.5%
Retort Water Content				21%		23%
O/W Ratio				77:23		75:25
Whole Mud Chlorides (mg/L)				44,000		49,000
Water Phase Salinity (ppm)				247,300		250,414
Whole Mud Alkalinity, Pom				1.8		1.1
Excess Lime (lb/bbl)				2.3 ppb		1.4 ppb
Electrical Stability (volts)				436 v		445 v
Average Specific Gravity of Solids				2.74		2.72
Percent Low Gravity Solids				6.4%		6%
ppb Low Gravity Solids				53 ppb		49 ppb
Percent Barite				1.8%		1.6%
ppb Barite				26 ppb		23 ppb
Estimated Total LCM in System			ppb			
Sample Taken By				A. ROMAN	0	M Washburn

MUD VOLUME (BBL)

In Pits	518 bbl
In Hole	477 bbl
Active	995 bbl
Storage	1642 bbl
Tot. on Location	2637 bbl

PUMP #1

Liner Size	5.75
Stroke	12
bbl/stk	0.0915
stk/min	104
gal/min	400

PUMP #2

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

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 293 n = 0.610 K = 215.795

Bit Depth = 12,382 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.							
90.4 bbl	Volume to Bit	153.9 bbl	Strokes To Bit	1,681	Time To Bit	16 min
	Bottoms Up Vol.	322.6 bbl	BottomsUp Stks	3,525	BottomsUp Time	34 min
	TotalCirc.Vol.	994.5 bbl	TotalCirc.Stks	10,865	Total Circ. Time	104 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	9,636'	0'
Agitatior	5.000	3.000	36'	9,636'
Drill Pipe	4.500	2.500	2,593'	9,672'
Dir. BHA	5.000	2.688	117'	12,265'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	0'
Int. Csg.	7 5/8	6.875	10,239'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	12,382'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	9,636'	362.7	turb	9.94
6.875x5	9,672'	440.1	turb	10.02
6.875x4.5	10,239'	362.7	turb	10.09
6.818x4.5	12,265'	373.5	turb	10.29
6.818x5	12,382'	456.1	turb	10.39

BIT DATA Manuf./Type ULTERRA RPS 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	10,249 ft	24.0	2,122 ft	88.4

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	24.0
Shaker 2	170	24.0
Shaker 3	170	24.0
Centrifuge 1		6.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2714.6
Transferred In(+)/Out(-)	
Oil Added (+)	109.3
Barite Added (+)	0.0
Other Product Usage (+)	16.3
Water Added (+)	70.0
Left on Cuttings (-)	-84.9
Evap/ Cent/ Pits	-38.8
Lost Returns (-)	-150.0
Est. Total on Location	2636.5
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.63	96 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
204 lbs	109			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	4,987 psi

Remarks/Recommendations:

OBM RECEIVED: _2,780bbls / OBM RETURNED:

OBM ON SURFACe--1,642bbls (Storage)---518 bbls (Active)

OBM LOSS/GAIN--(Daily -140)------ Total (-154bbls)

Rig Activity:

Drilling ahead on lateral section. Curve landed @11,206'. At 12,342' Lost returns. Pump Sweep out of slug tank and fill up same with fresh water and resume drilling operations with fresh water. No heavy mud cap at this time; casing pressure reading 0psi. While drilling with returns, maintain constant additions of Diesel and Water for dilution and to offset evaporation. Maintain MW 9ppg, maintain Rheology with additions of Bentone, Lime and CaCl2 for alkalinity and WPS. New Phalt and Opti G for Fluid loss reduction. At the time of report, drilling/Sliding ahead with fresh water.

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
	$15,957.08	**$50,101.32**
INCLUDING 3RD PARTY CHARGES	**$22,420.12**	**$94,816.16**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/26/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #9

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	112		88	24	$343.68	136	$1,947.52
LIME (50)	50# sk	$5.00	250		176	74	$370.00	174	$870.00
OPTI - G	50# sk	$30.59	120		76	44	$1,345.96	84	$2,569.56
BENTONE 38 (50)	50# sk	$163.94	24		24				
BENTONE 910 (50)	50# sk	$59.40	62		58	4	$237.60	8	$475.20
BENTONE 990 (50)	50# sk	$83.59	40		36	4	$334.36	10	$835.90
OPTI - MUL	gal	$10.75	475		400	75	$806.25	225	$2,418.75
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	131		97	34	$1,316.48	53	$2,052.16
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	98		88	10	$52.50	32	$168.00
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	52		47	5	$140.25	47	$1,318.35
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37	15		15				
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	1508		1508			620	$4,340.00
OPTI DRILL (OBM)	bbl	$65.00	2776		2636	140	$9,100.00	154	$10,010.00
DISCOUNTED OBM	bbl	$15.00							
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						1000	$1,000.00
TRUCKING (cwt)	each	$2.65						1247	$3,304.66
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $15,957.08			**Cumulative Total $50,101.32**			**$50,101.32**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/26/20	**MAGNOLIA OIL & GAS**	**DIETZ OL UNIT 3H**	**248**	**Report #9**

DAILY USAGE & COST									**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	250		240	10	$417.50		10	$417.50
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50					
OBM D	gal	$1.36								
OBM D 7/20 Skid Vol.	gal	$1.34							15750	$21,105.00
OBM_D 7/20	gal	$1.32							7200	$9,504.00
OBM_D 7/21	gal	$1.32	1612			1612	$2,127.84		7402	$9,770.64
DIESEL DELIVERY 7/22/20	gal	$1.35	7402		4500	2902	$3,917.70		2902	$3,917.70
DIESEL DELIVERY 7/24/20	gal	$1.35	7402		7402					
							Daily Sub-Total	**$6,463.04**	**$44,714.84**	

Cumulative Total AES & 3rd Party $94,816.16

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4														
Grand Totals	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382													
	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382														
9,613	Footage Drilled	-	4,982	2,498	-	-	253	1,880	-	-	-	-	-	-	-	-	-	-	-	-	-	-
803	New Hole Vol.	-	472	237	-	-	11	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637
41	Chemical Additions		19	5	-	-	-	16														
802	Base Fluid Added		315	235	29	37	77	109														
47	Barite Increase			47	-	-	-	-														
468	Weighted Mud Added		468		-	-	-	-														
-	Slurry Added				-	-	-	-														
111	Water Added		5	16	-	-	20	70														
4	Added for Washout			4	-	-	-	-														
1,472	Total Additions	-	807	307	29	37	97	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-
89	Surface Losses		31	40	-	-		18														
165	Formation Loss			15	-	-		150														
663	Mud Loss to Cuttings		330	237	-	-	11	85														
156	Unrecoverable Volume				40	-	116	-														
110	Centrifuge Losses		18	15	16	26	15	20														
1,183	Total Losses	-	379	307	56	26	142	273	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,637	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637	2,637
36	Mud Recovered		36																			

2,816

Comments:		Comments:	Comments:
7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	8/3/20
7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	8/4/20
7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	8/5/20
7/23/20	Running Casing in the hole.	7/30/20	8/6/20
7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20	8/7/20
7/25/20	TIH resume drilling on curve section.	8/1/20	8/8/20
7/26/20	Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.	8/2/20	8/9/20

7/26/2020 **Report 9 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

14.0° **2,703' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**1,453 ft**	**12,413 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**		**POOH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**OBM**		

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	E.S.	CaCl2	GELS	HTHP
9-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<8 <11**	**<8**

MUD PROPERTIES

Time Sample Taken	2:00		13:30
Sample Location	Suction		suction
Flowline Temperature °F	150 °F		
Depth (ft)	12,141'		12,413'
Mud Weight (ppg)	9.0		9.0
Funnel Vis (sec/qt) @ 130 °F	40		48
600 rpm	29		31
300 rpm	19		21
200 rpm	15		16
100 rpm	12		14
6 rpm	6		6
3 rpm	5		5
Plastic Viscosity (cp) @ 150 °F	10		10
Yield Point (lb/100 ft²) T0 = 4	9		11
Gel Strength (lb/100 ft²) 10 sec / 10 min	6/9		6/8
Gel Strength (lb/100 ft2) 30 min	12		11
HTHP Filtrate (cm/30 min) @ 300 °F	6.0		6.0
HTHP Cake Thickness (32nds)	2.0		2.0
Retort Solids Content	10%		10%
Corrected Solids (vol%)	8.3%		8.1%
Retort Oil Content	69%		69%
Retort Water Content	21%		21%
O/W Ratio	77:23		77:23
Whole Mud Chlorides (mg/L)	44,000		49,000
Water Phase Salinity (ppm)	247,300		267,875
Whole Mud Alkalinity, Pom	1.8		1.1
Excess Lime (lb/bbl)	2.3 ppb		1.4 ppb
Electrical Stability (volts)	436 v		445 v
Average Specific Gravity of Solids	2.74		2.65
Percent Low Gravity Solids	6.4%		6.7%
ppb Low Gravity Solids	53 ppb		55 ppb
Percent Barite	1.8%		1.4%
ppb Barite	26 ppb		20 ppb
Estimated Total LCM in System			
Sample Taken By	A. ROMAN		M Washburn

MUD VOLUME (BBL)

In Pits	490 bbl
In Hole	530 bbl
Active	578 bbl
Storage	1765 bbl
Tot. on Location	2785 bbl

PUMP #1

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

PUMP #2

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

RISER BOOSTER

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

Mud Wt. = 9.0 PV=10 YP=9 **CIRCULATION DATA** n = 0.610 K = 215.8

Bit Depth = 2,722 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
37.8 bbl	Bottoms Up Vol. 71.4 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 577.9 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	**-24'**	
Agitatior	5.000	3.000	36'	**-24'**
Drill Pipe	4.500	2.500	2,593'	12'
Dir. BHA	5.000	2.688	117'	2,605'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	
Int. Csg.	7 5/8	6.875	10,239'	
Washout 1				
Washout 2				
Open Hole Size	6.818		12,413'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x5	36'		lam	9.04
6.875x4.5	2,629'		lam	9.04
6.875x5	2,746'		lam	9.04

BIT DATA Manuf./Type ULTERRA RPS 613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	10,249 ft	25.0	2,164 ft	86.6	2,240 psi	2,293 psi

SOLIDS CONTROL

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

Centrifuge 1

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2636.5
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	-65.6
Evap/ Cent/ Pits	
Lost Returns (-)	
Est. Total on Location	2570.9
Est. Losses/Gains (-)/(+)	214.5

BIT HYDRAULICS DATA

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

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drilling 6 3/4" lateral hole section, at 12,342 lost complete returns, continue drilling with fresh water and no returns, at 12413 MWD tool not syncing up, Pull out of hole to install back pressure float below MWD to allow signal to transmit to surface. When pull out of hole fill backside with 9.0# to 9.5# OBM, No casing pressure, trip depth at time of report is 2625. Receiving 450 bbls 13.5# high % content LGS discounted OBM ($15 / bbl)

07/27/20 **Report #10**

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

OUTSOURCE FLUID SOLUTIONS LLC.

93.5° **10,463' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**14 ft**	**12,427 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**28 ft/hr**	**TIH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**	**327 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
				7/27/20		
Time Sample Taken				2:00		
Sample Location				suction		
Flowline Temperature °F						
Depth (ft)				12,413'		
Mud Weight (ppg)				8.4		
Funnel Vis (sec/qt)			@ 80 °F	27		
600 rpm				4		
300 rpm				3		
200 rpm				2		
100 rpm				1		
6 rpm				1		
3 rpm				1		
Plastic Viscosity (cp)			@ 120 °F	1		
Yield Point (lb/100 ft²)			T0 = 1	2		
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		
Gel Strength (lb/100 ft^2)			30 min	2		
API Filtrate / Cake Thickness				25/1		
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.5%		
Retort Oil Content				1%		
Retort Water Content				98.5%		
Sand Content				0.5%		
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				8.4		
Alkalinity, Mud Pm				0.1		
Alkalinities, Filtrate Pf/Mf				0.1/0.2		
Chlorides (mg/L)				400		
Calcium (ppm)				40		
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.5%		
Percent Drill Solids				0.5%		
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman		

MUD VOLUME (BBL)

In Pits	560 bbl
In Hole	478 bbl
Active	1038 bbl
Storage	1817 bbl
Tot. on Location	2855 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	102
gal/min	327

RISER BOOSTER

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

CIRCULATION DATA

PHHP = 0 n = 0.415 K = 114.973

Bit Depth = 12,427 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.							
90.6 bbl	Volume to Bit	154.5 bbl	Strokes To Bit	2,025	Time To Bit	20 min
	Bottoms Up Vol.	323.8 bbl	BottomsUp Stks	4,243	BottomsUp Time	42 min
	TotalCirc.Vol.	1038.3 bbl	TotalCirc.Stks	13,606	Total Circ. Time	133 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	9,679'	0'
Agitatior	5.000	3.000	34'	9,679'
Drill Pipe	4.500	2.500	2,593'	9,713'
Dir. BHA	5.000	2.688	121'	12,306'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	0'
Int. Csg.	7 5/8	6.875	10,239'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	12,427'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	9,679'	296.6	turb	8.74
6.875x5	9,713'	359.9	turb	8.78
6.875x4.5	10,239'	296.6	turb	8.81
6.818x4.5	12,306'	305.4	turb	8.90
6.818x5	12,427'	372.9	turb	8.95

BIT DATA Manuf./Type ULTERRA RPS 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	12,413 ft	0.5	14 ft	28.0

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	0.0
Shaker 2	170	0.0
Shaker 3	170	0.0
Centrifuge 1		0.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2636.5
Transferred In(+)/Out(-)	455.0
Oil Added (+)	59.6
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	23.8
Left on Cuttings (-)	-0.6
Pumped Down Hole	-319.0
Est. Total on Location	2855.3
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.32	60 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
127 lbs	89			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,294 psi

Remarks/Recommendations:

OBM RECEIVED: _3,235bbls / OBM RETURNED:

OBM ON SURFACe--1,817bbls (Storage)---560bbls (Active)

TOTAL OBM ON SURFACE = 2377BBLS

OBM GAIN/LOSS---(Daily -236) Total (-390bbls)

Rig Activity:

POOH and lay down BHA. Pick up and make up new BHA with Restrictor Sub and start TIH back to bottom. Fill up with fresh water while TIH. Received 455bbls of 13# (HLGS - $15)OBM. Transfer Discounted mud to Pits 6&5 in the active to be used as Kill mud. Maintain Fresh water on Tank 8 for drilling and OBM sweeps out of tank 7 (10# with First Response 2ppb). At the time of the report we have resume drilling/Sliding ahead on lateral 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	g	G	p	A	S	C
1	1	1	1	1	1	1	0	0

	Daily Total	Cumulative Cost
	$17,250.00	**$67,351.32**
INCLUDING 3RD PARTY CHARGES	**$21,045.20**	**$115,861.36**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/27/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #10

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	88		88			136	$1,947.52
LIME (50)	50# sk	$5.00	176		176			174	$870.00
OPTI - G	50# sk	$30.59	76		76			84	$2,569.56
BENTONE 38 (50)	50# sk	$163.94	24		24				
BENTONE 910 (50)	50# sk	$59.40	58		58			8	$475.20
BENTONE 990 (50)	50# sk	$83.59	36		36			10	$835.90
OPTI - MUL	gal	$10.75	400		400			225	$2,418.75
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	97		97			53	$2,052.16
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	88		88			32	$168.00
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	47		47			47	$1,318.35
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37	15		15				
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	1508		1508			620	$4,340.00
OPTI DRILL (OBM)	bbl	$65.00	2636		2400	236	$15,340.00	390	$25,350.00
DISCOUNTED OBM	bbl	$15.00		455	455				
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						1000	$1,000.00
TRUCKING (cwt)	each	$2.65						1247	$3,304.66
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $17,250.00			Cumulative Total $67,351.32			$67,351.32	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/27/20	**MAGNOLIA OIL & GAS**	**DIETZ OL UNIT 3H**	**248**	**Report #10**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	240		230	10	$417.50	20	$835.00
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50				
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32						7200	$9,504.00
OBM_D 7/21	gal	$1.32						7402	$9,770.64
DIESEL DELIVERY 7/22/20	gal	$1.35	4500		1998	2502	$3,377.70	5404	$7,295.40
DIESEL DELIVERY 7/24/20	gal	$1.35	7402		7402				
					Daily Sub-Total		$3,795.20		$48,510.04

Cumulative Total AES & 3rd Party $115,861.36

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4													
	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427												
	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427													
9,658	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	-	-	-	-	-	-	-	-	-	-	-	-	-
805	New Hole Vol.	-	472	237	-	-	11	83	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855
41	Chemical Additions		19	5	-	-	-	16	-													
861	Base Fluid Added		315	235	29	37	77	109	60													
47	Barite Increase			47	-	-	-	-	-													
923	Weighted Mud Added		468		-	-	-	-	455													
-	Slurry Added				-	-	-	-	-													
135	Water Added		5	16	-	-	20	70	24													
4	Added for Washout			4	-	-	-	-	-													
2,011	Total Additions	-	807	307	29	37	97	195	538	-	-	-	-	-	-	-	-	-	-	-	-	-
90	Surface Losses		31	40	-	-		18	1													
484	Formation Loss			15	-	-		150	319													
664	Mud Loss to Cuttings		330	237	-	-	11	85	1													
156	Unrecoverable Volume				40	-	116	-	-													
110	Centrifuge Losses		18	15	16	26	15	20	-													
1,504	Total Losses	-	379	307	56	26	142	273	321	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,855	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855	2,855
36	Mud Recovered		36																			

3,271

Comments:		Comments:		Comments:	
7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	POOH to change out BHA. TIH and resume drilling.	8/3/20	
7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20		8/4/20	
7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20		8/5/20	
7/23/20	Running Casing in the hole.	7/30/20		8/6/20	
7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20		8/7/20	
7/25/20	TIH resume drilling on curve section.	8/1/20		8/8/20	
7/26/20	Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.	8/2/20		8/9/20	

7/27/2020 **Report 10 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

9.1° **7,503' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**383 ft**	**12,796 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**		**POOH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**		

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

MUD PROPERTIES			
Time Sample Taken	2:00		13:30
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	12,413'		12,796'
Mud Weight (ppg)	8.4		8.4
Funnel Vis (sec/qt) @ 80 °F	27		27
600 rpm	4		4
300 rpm	3		3
200 rpm	2		2
100 rpm	1		1
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	2		2
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/2		1/2
Gel Strength (lb/100 ft2) 30 min	2		2
API Filtrate / Cake Thickness	25/1		25/1
HTHP Filtrate / Cake Thickness			
Retort Solids Content	0.5%		0.5%
Retort Oil Content	1%		1%
Retort Water Content	98.5%		98.5%
Sand Content	0.5%		0%
M.B.T. (Methylene Blue Capacity) (ppb)			
pH	8.4		8.4
Alkalinity, Mud Pm	0.1		0.1
Alkalinities, Filtrate Pf/Mf	0.1/0.2		0.1/0.2
Chlorides (mg/L)	400		500
Calcium (ppm)	40		80
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	0.5%		0.5%
Percent Drill Solids	0.5%		0.5%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	A. Roman		M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER
In Pits	560 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size
In Hole	521 bbl	Stroke	12	Stroke	12	Stroke
Active	848 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk
Storage	1817 bbl	stk/min		stk/min		stk/min
Tot. on Location	2898 bbl	gal/min		gal/min		gal/min

Mud Wt. = 8.4 PV=1 YP=2 **CIRCULATION DATA** n = 0.415 K = 115.0

Bit Depth = 7,689 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	87.1 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	201.1 bbl	BottomsUp Stks	BottomsUp Time
64.8 bbl	TotalCirc.Vol.	848.2 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	4,941'	
Agitatior	5.000	3.000	34'	4,941'
Drill Pipe	4.500	2.500	2,593'	4,975'
Dir. BHA	5.000	2.688	121'	7,568'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	
Int. Csg.	7 5/8	6.875	10,239'	
Washout 1				
Washout 2				
Open Hole Size	6.818		12,796'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	4,941'		lam	8.40
6.875x5	4,975'		lam	8.40
6.875x4.5	7,568'		lam	8.40
6.875x5	7,689'		lam	8.40

SOLIDS CONTROL

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

Centrifuge 1

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2636.5
Transferred In(+)/Out(-)	455.0
Oil Added (+)	59.6
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	23.8
Left on Cuttings (-)	-17.3
Pumped Down Hole	-319.0
Est. Total on Location	2838.6
Est. Losses/Gains (-)/(+)	59.2

BIT HYDRAULICS DATA

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

BIT DATA Manuf./Type ULTERRA RPS 613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	12,413 ft	6.0	383 ft	63.8	2,240 psi	2,273 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drill 6 3/4" lateral hole section with BHA #4 from 12,413 to 12,796 using water mixed with PHPA as the primary circulating median, observe erratic Gamma Ray readings, trip for BHA inspection, initialy pump and rotate out 3 stands off btm then continue to trip out of hole, fill annulus with 9.0 ppg discounted mud $15 / bbl while tripping. No casing pressure observed prior to trip. Receiving additional 13.5# discounted $15 / bbl OBM from Madisonville and utilizing as kill mud and blending with diesel for 9.0 volume for sweeps and fill.

07/28/20 **Report #11**

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

OUTSOURCE FLUID SOLUTIONS LLC.

94.0° **10,441' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**369 ft**	**12,796 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**62 ft/hr**	**TIH/Drilling**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**	**327 gpm**	**3,940 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
				7/28/20		7/27/20
Time Sample Taken				2:00		13:30
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				12,796'		12,796'
Mud Weight (ppg)				8.4		8.4
Funnel Vis (sec/qt)			@ 80 °F	27		27
600 rpm				4		4
300 rpm				3		3
200 rpm				2		2
100 rpm				1		1
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	1		1
Yield Point (lb/100 ft²)			T0 = 1	2		2
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/2
Gel Strength (lb/100 ft^2)			30 min	2		2
API Filtrate / Cake Thickness				25/1		25/1
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.5%		0.5%
Retort Oil Content				1%		1%
Retort Water Content				98.5%		98.5%
Sand Content				0.5%		0%
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				8.4		8.4
Alkalinity, Mud Pm				0.1		0.1
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.2
Chlorides (mg/L)				400		500
Calcium (ppm)				40		80
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.5%		0.5%
Percent Drill Solids				0.5%		0.5%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	571 bbl
In Hole	493 bbl
Active	1064 bbl
Storage	2000 bbl
Tot. on Location	3064 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	102
gal/min	327

RISER BOOSTER

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

PHHP = 751 **CIRCULATION DATA** n = 0.415 K = 114.973

Bit Depth = 12,796 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.							
92.7 bbl	Volume to Bit	159.8 bbl	Strokes To Bit	2,094	Time To Bit	21 min
	Bottoms Up Vol.	333.2 bbl	BottomsUp Stks	4,366	BottomsUp Time	43 min
	TotalCirc.Vol.	1063.9 bbl	TotalCirc.Stks	13,942	Total Circ. Time	137 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	10,048'	0'
Agitatior	5.000	3.000	34'	10,048'
Drill Pipe	4.500	2.500	2,593'	10,082'
Dir. BHA	5.000	2.688	121'	12,675'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	0'
Int. Csg.	7 5/8	6.875	10,239'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	12,796'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,048'	296.6	turb	8.78
6.875x5	10,082'	359.9	turb	8.86
6.875x4.5	10,239'	296.6	turb	8.94
6.818x4.5	12,675'	305.4	turb	9.09
6.818x5	12,796'	372.9	turb	9.19

SOLIDS CONTROL

Unit	Screens	Hours
Shaker 1	170	0.0
Shaker 2	170	0.0
Shaker 3	170	0.0
Centrifuge 1		0.0

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	2855.3
Transferred In(+)/Out(-)	632.0
Oil Added (+)	119.1
Barite Added (+)	18.0
Other Product Usage (+)	0.0
Water Added (+)	0.0
Left on Cuttings (-)	-16.7
Pumped Down Hole	-263.7
OBM returned to WH	-280.0
Est. Total on Location	3063.9
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.32	60 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
127 lbs	89			

BIT DATA Manuf./Type ULTERRA RPS 613

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	12,413 ft	16.0	752 ft	47.0	2,240 psi	3,311 psi

Remarks/Recommendations:

OBM RECEIVED: 3,867bbls / OBM RETURNED: -280bbls

OBM ON SURFACe--2,000bbls (Storage)---571bbls (Active)

TOTAL OBM ON SURFACE = 2571BBLS

$15(9#-209bbl / 13.5#-621bbl)
$65(13.5#-489bbl / 9#-970bbl)

OBM GAIN/LOSS---(Daily -236) Total (-390bbls)

Rig Activity:

Drilled on lateral section to 12796'. MWD fail. POOH replace MWD. Replace MWD and start TIH back to bottom. While POOH Fill up on back side with 9#OBM. Discounted OBM order from WH and received 632bbl of 13.5#, Returned 280bbls of 9# ($65) OBM to WH. Back on bottom, ream down last stand and Casing pressure up to 715psi. Pump 14.2# Kill mud on back side 136bbls (1777stks), casing press. 0. Attempted to resume drilling and MWD not working properly. Currently Troublshooting MWD.

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

	Daily Total	Cumulative Cost
	$7,571.00	**$74,922.32**
INCLUDING 3RD PARTY CHARGES	**$14,322.35**	**$130,183.71**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/28/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #11

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	88		88			136	$1,947.52
LIME (50)	50# sk	$5.00	176		176			174	$870.00
OPTI - G	50# sk	$30.59	76		76			84	$2,569.56
BENTONE 38 (50)	50# sk	$163.94	24		24				
BENTONE 910 (50)	50# sk	$59.40	58		58			8	$475.20
BENTONE 990 (50)	50# sk	$83.59	36		36			10	$835.90
OPTI - MUL	gal	$10.75	400		400			225	$2,418.75
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	97		97			53	$2,052.16
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	88		88			32	$168.00
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	47		47			47	$1,318.35
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37	15		15				
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	1508		1250	258	$1,806.00	878	$6,146.00
OPTI DRILL (OBM)	bbl	$65.00	2400	-280	2120			390	$25,350.00
DISCOUNTED OBM	bbl	$15.00	455	632	830	257	$3,855.00	257	$3,855.00
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						1000	$1,000.00
TRUCKING (cwt)	each	$2.65						1247	$3,304.66
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $7,571.00			**Cumulative Total $74,922.32**			**$74,922.32**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/28/20	**MAGNOLIA OIL & GAS**	**DIETZ OL UNIT 3H**	**248**	**Report #11**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	230		230			20	$835.00
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50				
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32						7200	$9,504.00
OBM_D 7/21	gal	$1.32						7402	$9,770.64
DIESEL DELIVERY 7/22/20	gal	$1.35	1998			1998	$2,697.30	7402	$9,992.70
DIESEL DELIVERY 7/24/20	gal	$1.35	7402		4399	3003	$4,054.05	3003	$4,054.05
DIESEL DELIVERY 7/27/20	gal	$1.36		7401	7401				

Daily Sub-Total $6,751.35

$55,261.39

Cumulative Total AES & 3rd Party $130,183.71

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4												
Grand Totals	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796											
	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796												
10,027	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	-	-	-	-	-	-	-	-	-	-	-	-
821	New Hole Vol.	-	472	237	-	-	11	83	2	16	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064
41	Chemical Additions		19	5	-	-	-	16	-	-												
980	Base Fluid Added		315	235	29	37	77	109	60	119												
65	Barite Increase			47	-	-	-	-	-	18												
1,555	Weighted Mud Added		468		-	-	-	-	455	632												
-	Slurry Added				-	-	-	-	-	-												
135	Water Added		5	16	-	-	20	70	24	-												
4	Added for Washout			4	-	-	-	-	-	-												
2,780	Total Additions	-	807	307	29	37	97	195	538	769	-	-	-	-	-	-	-	-	-	-	-	-
90	Surface Losses		31	40	-	-		18	1	-												
747	Formation Loss			15	-	-		150	319	263												
681	Mud Loss to Cuttings		330	237	-	-	11	85	1	17												
156	Unrecoverable Volume				40	-	116	-	-	-												
110	Centrifuge Losses		18	15	16	26	15	20	-	-												
1,784	Total Losses	-	379	307	56	26	142	273	321	280	-	-	-	-	-	-	-	-	-	-	-	-
280	Mud Transferred Out									280												
3,064	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064	3,064
36	Mud Recovered		36																			

	Comments:		Comments:		Comments:	
	7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	POOH to change out BHA. TIH and resume drilling.	8/3/20	
3,623	7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	POOH to change out MWD, Back on bottom MWD not working properly. Trouble shoot same at time of report.	8/4/20	
	7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20		8/5/20	
	7/23/20	Running Casing in the hole.	7/30/20		8/6/20	
	7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20		8/7/20	
	7/25/20	TIH resume drilling on curve section.	8/1/20		8/8/20	
	7/26/20	Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.	8/2/20		8/9/20	

7/28/2020 **Report 11 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

13.9° **2,706' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**		**12,805 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**		**POOH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**		

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

MUD PROPERTIES			
Time Sample Taken	2:00		13:30
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	12,796'		12,805'
Mud Weight (ppg)	8.4		8.4
Funnel Vis (sec/qt) @ 90 °F	27		27
600 rpm	4		4
300 rpm	3		3
200 rpm	2		2
100 rpm	1		1
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	2		2
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/2		1/2
Gel Strength (lb/100 ft2) 30 min	2		2
API Filtrate / Cake Thickness	25/1		25/1
HTHP Filtrate / Cake Thickness			
Retort Solids Content	0.5%		0.5%
Retort Oil Content	1%		1%
Retort Water Content	98.5%		98.5%
Sand Content	0.5%		0%
M.B.T. (Methylene Blue Capacity) (ppb)			
pH	8.4		8.4
Alkalinity, Mud Pm	0.1		0.1
Alkalinities, Filtrate Pf/Mf	0.1/0.2		0.1/0.2
Chlorides (mg/L)	400		500
Calcium (ppm)	40		80
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	0.5%		0.5%
Percent Drill Solids	0.5%		0.5%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	A. Roman		M Washburn

MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER
In Pits	571 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size
In Hole	548 bbl	Stroke	12	Stroke	12	Stroke
Active	622 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk
Storage	2000 bbl	stk/min		stk/min		stk/min
Tot. on Location	3119 bbl	gal/min		gal/min		gal/min

Mud Wt. = 8.4 PV=1 YP=2 **CIRCULATION DATA** n = 0.415 K = 115.0

Bit Depth = 111 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	-20.6 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	71.4 bbl	BottomsUp Stks	BottomsUp Time
37.9 bbl	TotalCirc.Vol.	621.8 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	**-2,637'**	
Agitatior	5.000	3.000	34'	**-2,637'**
Drill Pipe	4.500	2.500	2,593'	**-2,603'**
Dir. BHA	5.000	2.688	121'	**-10'**

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	
Int. Csg.	7 5/8	6.875	10,239'	
Washout 1				
Washout 2				
Open Hole Size	6.818		12,805'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x5	34'		lam	8.40
6.875x4.5	2,628'		lam	8.40
6.875x5	2,748'		lam	8.40

BIT DATA Manuf./Type ULTERRA RPS 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	12,413 ft	18.0	761 ft	42.3

SOLIDS CONTROL

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

Centrifuge 1

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3063.9
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Pumped Down Hole	
OBM returned to WH	
Est. Total on Location	3063.9
Est. Losses/Gains (-)/(+)	55.2

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	2,252 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drill with BHA #5 from 12796 to 12805, MWD not working properly, trouble shoot MWD, pull out of hole to inspect BHA. Wash and backream from 12806 to 12300, start tripping out of hole filling casing down backside with rig pumps at calculated pipe displacement with 15.0# kill mud until inside intermediate casing then switch to filling with 9.0#. No casing pressure was observed during trip. All mud used during trip to fill hole was $15/bbl discounted volume. Receiving 231 bbls 13.5# additional discounted volume from Madisonville WH. Trip depth at time of report is 111'.

07/29/20 **Report #12**

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

OUTSOURCE FLUID SOLUTIONS LLC.

12.3° **5,855' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**25 ft**	**12,821 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**8 ft/hr**	**POOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
				7/29/20		7/28/20
Time Sample Taken				2:00		13:30
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				12,821'		12,805'
Mud Weight (ppg)				8.4		8.4
Funnel Vis (sec/qt)			@ 90 °F	27		27
600 rpm				4		4
300 rpm				3		3
200 rpm				2		2
100 rpm				1		1
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	1		1
Yield Point (lb/100 ft²)			T0 = 1	2		2
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/2
Gel Strength (lb/100 ft^2)			30 min	2		2
API Filtrate / Cake Thickness				25/1		25/1
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.5%		0.5%
Retort Oil Content				1%		1%
Retort Water Content				98.5%		98.5%
Sand Content				0.5%		0%
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				8.4		8.4
Alkalinity, Mud Pm				0.1		0.1
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.2
Chlorides (mg/L)				400		500
Calcium (ppm)				40		80
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.5%		0.5%
Percent Drill Solids				0.5%		0.5%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	402 bbl
In Hole	531 bbl
Active	622 bbl
Storage	2277 bbl
Tot. on Location	3210 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 = 0.415 K = 114.973

Bit Depth = 6,000 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.				
55.6 bbl	Volume to Bit	63.1 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	156.7 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol.	621.9 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	3,252'	0'
Agitatior	5.000	3.000	34'	3,252'
Drill Pipe	4.500	2.500	2,593'	3,286'
Dir. BHA	5.000	2.688	121'	5,879'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	0'
Int. Csg.	7 5/8	6.875	10,239'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	12,821'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	3,252'	0.0	lam	8.40
6.875x5	3,286'	0.0	lam	8.40
6.875x4.5	5,879'	0.0	lam	8.40
6.875x5	6,000'	0.0	lam	8.40

BIT DATA Manuf./Type ULTERRA RPS 613

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	12,413 ft	19.0	786 ft	41.4

SOLIDS CONTROL

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

Centrifuge 1

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3063.9
Transferred In(+)/Out(-)	231.0
Oil Added (+)	107.7
Barite Added (+)	17.4
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	-1.1
Pumped Down Hole	-208.8
OBM returned to WH	
Est. Total on Location	3210.1
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:4,098bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--2,277bbls (Storage)---402bbls (Active)

TOTAL OBM ON SURFACE = 2679BBLS

$15 (9#-347bbl / 13.5#-591bbl) $65(9#-970bbl / 13.5# 485bbl)

OBM GAIN/LOSS---(Daily -209) Total (-835bbls)

Rig Activity:

POOH to replace MWD, and TIH back to bottom. Ream down last stand and resume drilling / sliding on lateral section. While sliding on lateral section passing 12,821'. Stand pipe pressure spike up to 6800psi. Bleed off pressure, attempt to pump down hole with unsuccesfull results. Troubleshoot Mud Pumps and all surface lines and equipment all good. Instructions to POOH and change out Mud motor and Bit. While POOH up to the shoe Pump 15# Kill mud on back side 70bbls, use 9# discounted mud to fill up back side while POOH inside casing. Currently POOH passing 5590'.

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

	Daily Total	Cumulative Cost
	$5,670.00	**$80,592.32**
INCLUDING 3RD PARTY CHARGES	**$11,778.65**	**$141,962.36**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/29/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #12

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	975		975				
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	88		88			136	$1,947.52
LIME (50)	50# sk	$5.00	176		176			174	$870.00
OPTI - G	50# sk	$30.59	76		76			84	$2,569.56
BENTONE 38 (50)	50# sk	$163.94	24		24				
BENTONE 910 (50)	50# sk	$59.40	58		58			8	$475.20
BENTONE 990 (50)	50# sk	$83.59	36		36			10	$835.90
OPTI - MUL	gal	$10.75	400		400			225	$2,418.75
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	97		97			53	$2,052.16
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	88		88			32	$168.00
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	47		47			47	$1,318.35
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37	15		15				
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	1250		1000	250	$1,750.00	1128	$7,896.00
OPTI DRILL (OBM)	bbl	$65.00	2120		2120			390	$25,350.00
DISCOUNTED OBM	bbl	$15.00	830	231	927	134	$2,010.00	391	$5,865.00
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	22	$20,350.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	22	$660.00
ENGINEERING (MILES)	each	$1.00						1000	$1,000.00
TRUCKING (cwt)	each	$2.65						1247	$3,304.66
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $5,670.00			**Cumulative Total $80,592.32**			**$80,592.32**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/29/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #12

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	230		230			20	$835.00
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50				
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32						7200	$9,504.00
OBM_D 7/21	gal	$1.32						7402	$9,770.64
DIESEL DELIVERY 7/22/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/24/20	gal	$1.35	4399			4399	$5,938.65	7402	$9,992.70
DIESEL DELIVERY 7/27/20	gal	$1.36	7401		7276	125	$170.00	125	$170.00
DIESEL DELIVERY 7/28/20	gal	$1.40		7200	7200				

Daily Sub-Total $6,108.65	$61,370.04

Cumulative Total AES & 3rd Party $141,962.36

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4											
	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821										
	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821											
10,052	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	25	-	-	-	-	-	-	-	-	-	-	-
822	New Hole Vol.	-	472	237	-	-	11	83	2	16	1	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210
41	Chemical Additions		19	5	-	-	-	16	-	-	-											
1,088	Base Fluid Added		315	235	29	37	77	109	60	119	108											
82	Barite Increase			47	-	-	-	-	-	18	17											
1,786	Weighted Mud Added		468		-	-	-	-	455	632	231											
-	Slurry Added				-	-	-	-	-	-	-											
135	Water Added		5	16	-	-	20	70	24	-	-											
4	Added for Washout			4	-	-	-	-	-	-	-											
3,136	Total Additions	-	807	307	29	37	97	195	538	769	356	-	-	-	-	-	-	-	-	-	-	-
90	Surface Losses		31	40	-	-		18	1	-	-											
956	Formation Loss			15	-	-		150	319	263	209											
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1											
156	Unrecoverable Volume				40	-	116	-	-	-	-											
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-											
1,994	Total Losses	-	379	307	56	26	142	273	321	280	210	-	-	-	-	-	-	-	-	-	-	-
280	Mud Transferred Out									280												
3,210	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210	3,210
36	Mud Recovered		36																			

3,854

Comments:		Comments:		Comments:	
7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	POOH to change out BHA. TIH and resume drilling.	8/3/20	
7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	POOH to change out MWD, Back on bottom MWD not working properly. Trouble shoot same at time of report.	8/4/20	
7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	TIH back to bottom, resume drilling, pressure spike up. POOH to change out Mud Motor and bit.	8/5/20	
7/23/20	Running Casing in the hole.	7/30/20		8/6/20	
7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20		8/7/20	
7/25/20	TIH resume drilling on curve section.	8/1/20		8/8/20	
7/26/20	Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.	8/2/20		8/9/20	

7/29/2020 **Report 12 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

14.4° **5,541' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**		**12,821 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**		**TIH**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**		

MUD PROPERTY SPECIFICATIONS

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

MUD PROPERTIES

Time Sample Taken	2:00		13:30
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	12,821'		12,821'
Mud Weight (ppg)	8.4		8.4
Funnel Vis (sec/qt) @ 90 °F	27		27
600 rpm	4		4
300 rpm	3		3
200 rpm	2		2
100 rpm	1		1
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	2		2
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/2		1/2
Gel Strength (lb/100 ft2) 30 min	2		2
API Filtrate / Cake Thickness	25/1		25/1
HTHP Filtrate / Cake Thickness			
Retort Solids Content	0.5%		0.5%
Retort Oil Content	1%		1%
Retort Water Content	98.5%		98.5%
Sand Content	0.5%		0%
M.B.T. (Methylene Blue Capacity) (ppb)			
pH	8.4		8.4
Alkalinity, Mud Pm	0.1		0.1
Alkalinities, Filtrate Pf/Mf	0.1/0.2		0.1/0.2
Chlorides (mg/L)	400		500
Calcium (ppm)	40		80
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	0.5%		0.5%
Percent Drill Solids	0.5%		0.5%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	402 bbl
In Hole	533 bbl
Active	609 bbl
Storage	2277 bbl
Tot. on Location	3212 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. = 8.4 PV=1 YP=2 **CIRCULATION DATA** n = 0.415 K = 115.0

Bit Depth = 5,677 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.	Volume to Bit	Strokes To Bit	Time To Bit
53.9 bbl	58.5 bbl		
	Bottoms Up Vol. 148.3 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol. 608.8 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	2,929'	
Agitatior	5.000	3.000	34'	2,929'
Drill Pipe	4.500	2.500	2,593'	2,963'
Dir. BHA	5.000	2.688	121'	5,556'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	
Int. Csg.	7 5/8	6.875	10,239'	
Washout 1				
Washout 2				
Open Hole Size	6.818		12,821'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	2,929'		lam	8.40
6.875x5	2,963'		lam	8.40
6.875x4.5	5,556'		lam	8.40
6.875x5	5,677'		lam	8.40

BIT DATA Manuf./Type HALLIB GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure
6 3/4	12,821 ft			#DIV/0!	2,240 psi	2,264 psi

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3210.1
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Pumped Down Hole	
OBM returned to WH	
Est. Total on Location	3210.1
Est. Losses/Gains (-)/(+)	1.8

BIT HYDRAULICS DATA

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

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Pull out of hole, pull MWD, break out bit, lay down motor which was observed to be severly damaged, sheared, twisted and bent, lay out restrictor sub. Pick up new motor, bit, and install MWD. Trip in hole, perform shallow MWD test, pump output was not correct. Inspect pumps and empty water from suction tank, sand and gravel from water well was blocking pump screens, clean out and perform MWD function test - good. Well has been static during trip. Pipe depth at time of report is 5677.

07/30/20 **Report #13**

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

OUTSOURCE FLUID SOLUTIONS LLC.

95.4° **10,417' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**523 ft**	**13,344 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**65 ft/hr**	**Drilling Lateral**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**	**337 gpm**	**4,179 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
				7/30/20		7/29/20
Time Sample Taken				2:00		13:30
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				13,165'		12,821'
Mud Weight (ppg)				8.4		8.4
Funnel Vis (sec/qt)			@ 90 °F	27		27
600 rpm				4		4
300 rpm				3		3
200 rpm				2		2
100 rpm				1		1
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	1		1
Yield Point (lb/100 ft²)			T0 = 1	2		2
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/2
Gel Strength (lb/100 ft^2)			30 min	2		2
API Filtrate / Cake Thickness				25/1		25/1
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.5%		0.5%
Retort Oil Content				1%		1%
Retort Water Content				98.5%		98.5%
Sand Content				0.5%		0%
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				8.4		8.4
Alkalinity, Mud Pm				0.1		0.1
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.2
Chlorides (mg/L)				400		500
Calcium (ppm)				40		80
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.5%		0.5%
Percent Drill Solids				0.5%		0.5%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	584 bbl
In Hole	515 bbl
Active	1099 bbl
Storage	2016 bbl
Tot. on Location	3115 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	105
gal/min	337

RISER BOOSTER

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

PHHP = 820 **CIRCULATION DATA** n = 0.415 K = 114.973

Bit Depth = 13,344 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.							
95.6 bbl	Volume to Bit	167.6 bbl	Strokes To Bit	2,196	Time To Bit	21 min
	Bottoms Up Vol.	347.1 bbl	BottomsUp Stks	4,549	BottomsUp Time	43 min
	TotalCirc.Vol.	1098.7 bbl	TotalCirc.Stks	14,398	Total Circ. Time	137 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	10,596'	0'
Agitatior	5.000	3.000	35'	10,596'
Drill Pipe	4.500	2.500	2,593'	10,631'
Dir. BHA	5.000	2.688	120'	13,224'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	0'
Int. Csg.	7 5/8	6.875	10,239'	0'
Washout 1				
Washout 2				
Open Hole Size	6.818	13,344'		

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,239'	305.3	turb	8.80
6.818x4.5	10,596'	314.4	turb	8.88
6.818x5	10,631'	383.9	turb	8.96
6.818x4.5	13,224'	314.4	turb	9.14
6.818x5	13,344'	383.9	turb	9.25

BIT DATA Manuf./Type HALLIB GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	12,821 ft	8.0	523 ft	65.4

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3210.1
Transferred In(+)/Out(-)	
Oil Added (+)	10.9
Barite Added (+)	13.9
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Pumped Down Hole	-120.2
Est. Total on Location	3114.7
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.35	63 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
134 lbs	92			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,394 psi

Remarks/Recommendations:

OBM RECEIVED:4,098bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--2,016bbls (Storage)---584bbls (Active)

TOTAL OBM ON SURFACE = 2600BBLS

$15 (9#-260bbl / 13.5#-501bbl) $65(9#-970bbl / 13.5# 485bbl)

OBM GAIN/LOSS---(Daily -102) Total (-937bbls)

Rig Activity:

POOH to replace Directional tools. Lay down Agitator and Mud Motor, Pick up and make up new BHA. TIH back to bottom. Pump 50bbls of Kill mud on back side while reaching Casing shoe depth. Continue to TIH, Ream down last stand and re-take last survey and resume drilling / sliding on lateral section. Using Fresh water water as the primary circulating median, Additions of Evo-Lube to water for lubricity; OBM for sweeps (1.5#over W/ 2ppb of First-Response). Maintain 14.5ppg Kill mud in designated active pits, to pump on back side if necessary. At time of report, Continue drilling ahead pasing 13364'.

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

	Daily Total	Cumulative Cost
	$6,575.55	**$87,167.87**
INCLUDING 3RD PARTY CHARGES	**$7,376.57**	**$149,338.93**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/30/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #13

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	975		800	175	$2,450.00	175	$2,450.00
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	88		88			136	$1,947.52
LIME (50)	50# sk	$5.00	176		176			174	$870.00
OPTI - G	50# sk	$30.59	76		76			84	$2,569.56
BENTONE 38 (50)	50# sk	$163.94	24		24				
BENTONE 910 (50)	50# sk	$59.40	58		58			8	$475.20
BENTONE 990 (50)	50# sk	$83.59	36		36			10	$835.90
OPTI - MUL	gal	$10.75	400		400			225	$2,418.75
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	97		97			53	$2,052.16
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	88		88			32	$168.00
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	47		47			47	$1,318.35
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37	15			15	$455.55	15	$455.55
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	1000		800	200	$1,400.00	1328	$9,296.00
OPTI DRILL (OBM)	bbl	$65.00	2120		2120			390	$25,350.00
DISCOUNTED OBM	bbl	$15.00	927		903	24	$360.00	415	$6,225.00
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	24	$22,200.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	24	$720.00
ENGINEERING (MILES)	each	$1.00						1000	$1,000.00
TRUCKING (cwt)	each	$2.65						1247	$3,304.66
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $6,575.55			**Cumulative Total $87,167.87**			**$87,167.87**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/30/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #13

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	230		220	10	$417.50	30	$1,252.50
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50				
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32						7200	$9,504.00
OBM_D 7/21	gal	$1.32						7402	$9,770.64
DIESEL DELIVERY 7/22/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/24/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/27/20	gal	$1.36	7276		6994	282	$383.52	407	$553.52
DIESEL DELIVERY 7/28/20	gal	$1.40	7200		7200				

Daily Sub-Total $801.02	$62,171.06

Cumulative Total AES & 3rd Party $149,338.93

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4										
Grand Totals	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344									
	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344										
10,575	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	25	523	-	-	-	-	-	-	-	-	-	-
846	New Hole Vol.	-	472	237	-	-	11	83	2	16	1	23	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115
41	Chemical Additions		19	5	-	-	-	16	-	-	-	-										
1,099	Base Fluid Added		315	235	29	37	77	109	60	119	108	11										
96	Barite Increase			47	-	-	-	-	-	18	17	14										
1,786	Weighted Mud Added		468		-	-	-	-	455	632	231	-										
-	Slurry Added				-	-	-	-	-	-	-	-										
135	Water Added		5	16	-	-	20	70	24	-	-	-										
4	Added for Washout			4	-	-	-	-	-	-	-	-										
3,161	Total Additions	-	807	307	29	37	97	195	538	769	356	25	-	-	-	-	-	-	-	-	-	-
90	Surface Losses		31	40	-	-		18	1	-	-	-										
1,077	Formation Loss			15	-	-		150	319	263	209	120										
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1	-										
156	Unrecoverable Volume				40	-	116	-	-	-	-	-										
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-										
2,114	Total Losses	-	379	307	56	26	142	273	321	280	210	120	-	-	-	-	-	-	-	-	-	-
280	Mud Transferred Out									280												
3,115	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115	3,115
36	Mud Recovered		36																			

	Comments:		Comments:		Comments:	
	7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	POOH to change out BHA. TIH and resume drilling.	8/3/20	
3,854	7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	POOH to change out MWD, Back on bottom MWD not working properly. Trouble shoot same at time of report.	8/4/20	
	7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	TIH back to bottom, resume drilling, pressure spike up. POOH to change out Mud Motor and bit.	8/5/20	
	7/23/20	Running Casing in the hole.	7/30/20	TIH back to bottom, resume drilling, with fresh water and kill mud on back side. Pump 10-15bbls OBM sweep every connection.	8/6/20	
	7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20		8/7/20	
	7/25/20	TIH resume drilling on curve section.	8/1/20		8/8/20	
	7/26/20	Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.	8/2/20		8/9/20	

7/30/2020 **Report 13 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

95.4° **10,355' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**972 ft**	**14,001 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**128 ft/hr**	**DRILLING**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**	**330 gpm**	**4,620 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**

MUD PROPERTIES

Time Sample Taken	2:00		14:30
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	13,165'		14,001'
Mud Weight (ppg)	8.4		8.4
Funnel Vis (sec/qt) @ 90 °F	27		27
600 rpm	4		4
300 rpm	3		3
200 rpm	2		2
100 rpm	1		1
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	2		2
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/2		1/2
Gel Strength (lb/100 ft2) 30 min	2		2
API Filtrate / Cake Thickness	25/1		25/1
HTHP Filtrate / Cake Thickness			
Retort Solids Content	0.5%		0.5%
Retort Oil Content	1%		1%
Retort Water Content	98.5%		98.5%
Sand Content	0.5%		0%
M.B.T. (Methylene Blue Capacity) (ppb)			
pH	8.4		8.4
Alkalinity, Mud Pm	0.1		0.1
Alkalinities, Filtrate Pf/Mf	0.1/0.2		0.1/0.2
Chlorides (mg/L)	400		500
Calcium (ppm)	40		80
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	0.5%		0.5%
Percent Drill Solids	0.5%		0.5%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	584 bbl
In Hole	541 bbl
Active	1125 bbl
Storage	2016 bbl
Tot. on Location	3141 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	103
gal/min	330

RISER BOOSTER

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

Mud Wt. = 8.4 PV=1 YP=2 **CIRCULATION DATA** n = 0.415 K = 115.0

Bit Depth = 14,001 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
99.2 bbl	Volume to Bit	176.9 bbl	Strokes To Bit	2,318	Time To Bit	23 min
	Bottoms Up Vol.	363.9 bbl	BottomsUp Stks	4,768	BottomsUp Time	46 min
	TotalCirc.Vol.	1124.8 bbl	TotalCirc.Stks	14,740	Total Circ. Time	143 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	11,253'	
Agitatior	5.000	3.000	35'	11,253'
Drill Pipe	4.500	2.500	2,593'	11,288'
Dir. BHA	5.000	2.688	120'	13,881'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	
Int. Csg.	7 5/8	6.875	10,239'	
Washout 1				
Washout 2				
Open Hole Size	6.818		14,001'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,239'	299.5	turb	8.87
6.818x4.5	11,253'	308.4	turb	9.08
6.818x5	11,288'	376.6	turb	9.26
6.818x4.5	13,881'	308.4	turb	9.56
6.818x5	14,001'	376.6	turb	9.75

BIT DATA Manuf./Type HALLIB GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	12,821 ft	18.0	972 ft	54.0

SOLIDS CONTROL

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

Centrifuge 1

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3114.7
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Pumped Down Hole	
Est. Total on Location	3114.7
Est. Losses/Gains (-)/(+)	26.1

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.33	61 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
129 lbs	90			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,386 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Drilling 6-3/4" lateral hole section in AC, at 13645, casing pressure came up to 1000 PSI, pump 100 bbls 17.5# kill mud then 60 bbls 14.5# down annulus, casing pressure reduced to 0. Continue drilling with fresh water, PHPA and small amount of diesel. Currently sliding and rotating to maintain angle and orientation at 14001. Received 154 bbls 14.2 OBM from Madisonville.

07/31/20 **Report #14**

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

OUTSOURCE FLUID SOLUTIONS LLC.

94.8° **10,302' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**1,639 ft**	**14,983 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**75 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**	**337 gpm**	**4,410 psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
				7/31/20		7/30/20
Time Sample Taken				2:00		14:30
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				14,821'		14,001'
Mud Weight (ppg)				8.4		8.4
Funnel Vis (sec/qt)			@ 90 °F	27		27
600 rpm				4		4
300 rpm				3		3
200 rpm				2		2
100 rpm				1		1
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	1		1
Yield Point (lb/100 ft²)			T0 = 1	2		2
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/2
Gel Strength (lb/100 ft^2)			30 min	2		2
API Filtrate / Cake Thickness				25/1		25/1
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.5%		0.5%
Retort Oil Content				1%		1%
Retort Water Content				98.5%		98.5%
Sand Content				0.5%		0%
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				8.4		8.4
Alkalinity, Mud Pm				0.1		0.1
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.2
Chlorides (mg/L)				400		500
Calcium (ppm)				40		80
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.5%		0.5%
Percent Drill Solids				0.5%		0.5%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	654 bbl
In Hole	580 bbl
Active	1234 bbl
Storage	2015 bbl
Tot. on Location	3249 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	105
gal/min	337

RISER BOOSTER

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

PHHP = 866 **CIRCULATION DATA** n = 0.415 K = 114.973

Bit Depth = 14,983 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.					
104.6 bbl	Volume to Bit	190.9 bbl	Strokes To Bit	2,501	Time To Bit 24 min
	Bottoms Up Vol.	388.9 bbl	BottomsUp Stks	5,096	BottomsUp Time 49 min
	TotalCirc.Vol.	1233.8 bbl	TotalCirc.Stks	16,168	Total Circ. Time 154 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	12,235'	0'
Agitatior	5.000	3.000	35'	12,235'
Drill Pipe	4.500	2.500	2,593'	12,270'
Dir. BHA	5.000	2.688	120'	14,863'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	0'
Int. Csg.	7 5/8	6.875	10,239'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	14,983'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,239'	305.3	turb	8.81
6.818x4.5	12,235'	314.4	turb	8.97
6.818x5	12,270'	383.9	turb	9.08
6.818x4.5	14,863'	314.4	turb	9.29
6.818x5	14,983'	383.9	turb	9.40

BIT DATA Manuf./Type HALLIB GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	12,821 ft	18.0	972 ft	54.0

SOLIDS CONTROL

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

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3114.7
Transferred In(+)/Out(-)	142.0
Oil Added (+)	32.7
Barite Added (+)	21.9
Other Product Usage (+)	1.0
Water Added (+)	
Left on Cuttings (-)	0.0
Pumped Down Hole	-63.4
Est. Total on Location	3248.8
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.35	63 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
134 lbs	92			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,473 psi

Remarks/Recommendations:

OBM RECEIVED:4,240bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--2,015bbls (Storage)---654bbls (Active)

TOTAL OBM ON SURFACE = 2669BBLS

$15 (9#-131bbl / 13.5#-434bbl) $65(9#-970bbl / 13.5# 480bbl)

OBM GAIN/LOSS---(Daily -63) Total (-1001bbls)

Rig Activity:

Continue Drilling / sliding ahead on lateral section. Using Fresh water water as the primary circulating median, condition same with additions of Diesel - Evo-Lube and PHPA; OBM for sweeps (10.5ppg W/ 2ppb of First-Response & EvoLube 2%) Pump 20bbls as requested by Co. Man. Torque has been steady at <15kf-lbf. Casing pressure on 0psi. Maintain 17ppg Kill mud in designated pit, to pump on back side if necessary. At time of report, Continue drilling ahead pasing 14,987'.

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

	Daily Total	Cumulative Cost
	$9,278.84	**$96,446.71**
INCLUDING 3RD PARTY CHARGES	**$11,775.76**	**$161,114.69**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/31/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #14

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	800		650	150	$2,100.00	325	$4,550.00
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	88		84	4	$57.28	140	$2,004.80
LIME (50)	50# sk	$5.00	176		175	1	$5.00	175	$875.00
OPTI - G	50# sk	$30.59	76		76			84	$2,569.56
BENTONE 38 (50)	50# sk	$163.94	24		20	4	$655.76	4	$655.76
BENTONE 910 (50)	50# sk	$59.40	58		55	3	$178.20	11	$653.40
BENTONE 990 (50)	50# sk	$83.59	36		36			10	$835.90
OPTI - MUL	gal	$10.75	400		400			225	$2,418.75
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	97		97			53	$2,052.16
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	88		88			32	$168.00
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	47		47			47	$1,318.35
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37						15	$455.55
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	800	464	950	314	$2,198.00	1642	$11,494.00
OPTI DRILL (OBM)	bbl	$65.00	2120		2120			390	$25,350.00
DISCOUNTED OBM	bbl	$15.00	903	142	982	63	$945.00	478	$7,170.00
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	26	$24,050.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	26	$780.00
ENGINEERING (MILES)	each	$1.00						1000	$1,000.00
TRUCKING (cwt)	each	$2.65				464	$1,229.60	1711	$4,534.26
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $9,278.84			Cumulative Total $96,446.71			$96,446.71	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
07/31/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #14

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	220		200	20	$835.00	50	$2,087.50
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50				
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32						7200	$9,504.00
OBM_D 7/21	gal	$1.32						7402	$9,770.64
DIESEL DELIVERY 7/22/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/24/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/27/20	gal	$1.36	6994		5772	1222	$1,661.92	1629	$2,215.44
DIESEL DELIVERY 7/28/20	gal	$1.40	7200		7200				

Daily Sub-Total $2,496.92

$64,667.98

Cumulative Total AES & 3rd Party $161,114.69

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4									
Grand Totals	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983								
	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983									
12,214	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	25	523	1,639	-	-	-	-	-	-	-	-	-
918	New Hole Vol.	-	472	237	-	-	11	83	2	16	1	23	73	-	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,249	3,249	3,249	3,249	3,249	3,249	3,249	3,249
42	Chemical Additions		19	5	-	-	-	16	-	-	-	-	1									
1,132	Base Fluid Added		315	235	29	37	77	109	60	119	108	11	33									
118	Barite Increase			47	-	-	-	-	-	18	17	14	22									
1,928	Weighted Mud Added		468		-	-	-	-	455	632	231	-	142									
-	Slurry Added				-	-	-	-	-	-	-	-	-									
135	Water Added		5	16	-	-	20	70	24	-	-	-	-									
4	Added for Washout			4	-	-	-	-	-	-	-	-	-									
3,359	Total Additions	-	807	307	29	37	97	195	538	769	356	25	198	-	-	-	-	-	-	-	-	-
90	Surface Losses		31	40	-	-		18	1	-	-	-	-									
1,140	Formation Loss			15	-	-		150	319	263	209	120	63									
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1	-	-									
156	Unrecoverable Volume				40	-	116	-	-	-	-	-	-									
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-	-									
2,178	Total Losses	-	379	307	56	26	142	273	321	280	210	120	63	-	-	-	-	-	-	-	-	-
280	Mud Transferred Out									280												
3,249	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,249	3,249	3,249	3,249	3,249	3,249	3,249	3,249	3,249
36	Mud Recovered		36																			

3,996

Comments:		Comments:		Comments:	
7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	POOH to change out BHA. TIH and resume drilling.	8/3/20	
7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	POOH to change out MWD, Back on bottom MWD not working properly. Trouble shoot same at time of report.	8/4/20	
7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	TIH back to bottom, resume drilling, pressure spike up. POOH to change out Mud Motor and bit.	8/5/20	
7/23/20	Running Casing in the hole.	7/30/20	TIH back to bottom, resume drilling, with fresh water and kill mud on back side. Pump 10-15bbls OBM sweep every connection.	8/6/20	
7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem, 2% EvoLube. Pump as requested	8/7/20	
7/25/20	TIH resume drilling on curve section.	8/1/20		8/8/20	
7/26/20	Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.	8/2/20		8/9/20	

7/31/2020 **Report 14 pm**

110 Old Market St.
St Martinville, LA 70582

TEL: (337) 394-1078

89.5° **10,306' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**1,454 ft**	**15,455 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**65 ft/hr**	**DRILLING**
Report for	Report for	Field / OSC-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**	**337 gpm**	**5,339 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**

MUD PROPERTIES

Time Sample Taken	2:00		13:00
Sample Location	suction		suction
Flowline Temperature °F			
Depth (ft)	14,821'		15,455'
Mud Weight (ppg)	8.4		8.4
Funnel Vis (sec/qt) @ 90 °F	27		27
600 rpm	4		4
300 rpm	3		3
200 rpm	2		2
100 rpm	1		1
6 rpm	1		1
3 rpm	1		1
Plastic Viscosity (cp) @ 120 °F	1		1
Yield Point (lb/100 ft²) T0 = 1	2		2
Gel Strength (lb/100 ft²) 10 sec / 10 min	1/2		1/2
Gel Strength (lb/100 ft2) 30 min	2		2
API Filtrate / Cake Thickness	25/1		25/1
HTHP Filtrate / Cake Thickness			
Retort Solids Content	0.5%		0.5%
Retort Oil Content	1%		1%
Retort Water Content	98.5%		98.5%
Sand Content	0.5%		0%
M.B.T. (Methylene Blue Capacity) (ppb)			
pH	8.4		8.4
Alkalinity, Mud Pm	0.1		0.1
Alkalinities, Filtrate Pf/Mf	0.1/0.2		0.1/0.2
Chlorides (mg/L)	400		500
Calcium (ppm)	40		80
Excess Lime (lb/bbl)			
Average Specific Gravity of Solids	2.60	2.60	2.60
Percent Low Gravity Solids	0.5%		0.5%
Percent Drill Solids	0.5%		0.5%
PPA Spurt / Total (ml) @			
Estimated Total LCM in System			
Sample Taken By	A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	654 bbl
In Hole	599 bbl
Active	1253 bbl
Storage	2015 bbl
Tot. on Location	3268 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	105
gal/min	337

RISER BOOSTER

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

Mud Wt. = 8.4 PV=1 YP=2 **CIRCULATION DATA** n = 0.415 K = 115.0

Bit Depth = 15,455 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
107.2 bbl	Volume to Bit	197.6 bbl	Strokes To Bit	2,589	Time To Bit	25 min
	Bottoms Up Vol.	400.9 bbl	BottomsUp Stks	5,254	BottomsUp Time	50 min
	TotalCirc.Vol.	1252.5 bbl	TotalCirc.Stks	16,414	Total Circ. Time	156 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	12,707'	
Agitatior	5.000	3.000	35'	12,707'
Drill Pipe	4.500	2.500	2,593'	12,742'
Dir. BHA	5.000	2.688	120'	15,335'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	
Int. Csg.	7 5/8	6.875	10,239'	
Washout 1				
Washout 2				
Open Hole Size	6.818		15,455'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,239'	305.3	turb	8.80
6.818x4.5	12,707'	314.4	turb	8.97
6.818x5	12,742'	383.9	turb	9.06
6.818x4.5	15,335'	314.4	turb	9.25
6.818x5	15,455'	383.9	turb	9.35

BIT DATA Manuf./Type HALLIB GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	12,821 ft	48.0	2,634 ft	54.9

SOLIDS CONTROL

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

Centrifuge 1

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3248.8
Transferred In(+)/Out(-)	
Oil Added (+)	
Barite Added (+)	
Other Product Usage (+)	
Water Added (+)	
Left on Cuttings (-)	
Pumped Down Hole	
Est. Total on Location	3248.8
Est. Losses/Gains (-)/(+)	18.7

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.35	63 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
134 lbs	92			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,496 psi

Afternoon Remarks/Recommendations:

Afternoon Rig Activity:

Continue drilling, rotate and sliding 6-3/4" lateral hole section in the AC, at 15180, pump 40 bbls 17.5# kill mud down annulus to relieve casing pressure. Continue drilling with fresh water, PHPA and small amounts of diesel. Pump 10 bbls of 10.5# OBM sweep as needed, Currently drilling at 15455.

08/01/20 **Report #15**

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

OUTSOURCE FLUID SOLUTIONS LLC.

89.5° **10,314' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**1,387 ft**	**16,370 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**63 ft/hr**	**DRILLING**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**	**337 gpm**	**3,225 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**
				8/1/20		7/31/20
Time Sample Taken				2:00		13:00
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				16,237'		15,455'
Mud Weight (ppg)				8.4		8.4
Funnel Vis (sec/qt)			@ 90 °F	27		27
600 rpm				4		4
300 rpm				3		3
200 rpm				2		2
100 rpm				1		1
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	1		1
Yield Point (lb/100 ft²)			T0 = 1	2		2
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/2
Gel Strength (lb/100 ft^2)			30 min	2		2
API Filtrate / Cake Thickness				25/1		25/1
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.5%		0.5%
Retort Oil Content				1%		1%
Retort Water Content				98.5%		98.5%
Sand Content				0.5%		0%
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				8.4		8.4
Alkalinity, Mud Pm				0.1		0.1
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.2
Chlorides (mg/L)				400		500
Calcium (ppm)				40		80
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.5%		0.5%
Percent Drill Solids				0.5%		0.5%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	447 bbl
In Hole	635 bbl
Active	1082 bbl
Storage	2015 bbl
Tot. on Location	3097 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	105
gal/min	337

RISER BOOSTER

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

PHHP = 633 **CIRCULATION DATA** n = 0.415 K = 114.973

Bit Depth = 16,370 ' | Washout = 1% | Pump Efficiency = 95%

Drill String Disp.							
112.1 bbl	Volume to Bit	210.6 bbl	Strokes To Bit	2,760	Time To Bit	26 min
	Bottoms Up Vol.	424.2 bbl	BottomsUp Stks	5,560	BottomsUp Time	53 min
	TotalCirc.Vol.	1081.8 bbl	TotalCirc.Stks	14,177	Total Circ. Time	135 min

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	13,622'	0'
Agitatior	5.000	3.000	35'	13,622'
Drill Pipe	4.500	2.500	2,593'	13,657'
Dir. BHA	5.000	2.688	120'	16,250'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	0'
Int. Csg.	7 5/8	6.875	10,239'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	16,370'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	10,239'	305.3	turb	8.80
6.818x4.5	13,622'	314.4	turb	8.99
6.818x5	13,657'	383.9	turb	9.09
6.818x4.5	16,250'	314.4	turb	9.27
6.818x5	16,370'	383.9	turb	9.36

BIT DATA Manuf./Type HALLIB GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	12,821 ft	62.0	3,998 ft	64.5

SOLIDS CONTROL

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

Centrifuge 1

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3248.8
Transferred In(+)/Out(-)	
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.0
Water Added (+)	
Left on Cuttings (-)	0.0
Pumped Down Hole	-151.9
Est. Total on Location	3096.9
Est. Losses/Gains (-)/(+)	0.0

BIT HYDRAULICS DATA

Bit H.S.I.	Bit ΔP	Nozzles (32nds)		
0.35	63 psi	16	16	16
Bit Impact Force	Nozzle Velocity (ft/sec)	16	16	16
134 lbs	92			

Motor/MWD	Calc. Circ. Pressure
2,240 psi	3,540 psi

Remarks/Recommendations:

OBM RECEIVED:4,240bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--2,015bbls (Storage)--- 447bbls (Active)

TOTAL OBM ON SURFACE = 2669BBLS

$15 (9#-131bbl / 13.5#-434bbl)
$65(9#-970bbl / 13.5# 480bbl)

OBM GAIN/LOSS---(Daily -63) Total (-1001bbls)

Rig Activity:

Continue Drilling / sliding ahead on lateral section. Using Fresh water water as the primary circulating median, condition same with additions of Diesel - PHPA; OBM for sweeps (10.5ppg W/ 2ppb of First-Response) Pump 20bbls as requested by Co. Man. Torque has been steady at <5-6kf-lbf on slides and 15-20kf-lbf on rotation. @15180' casing pressure increase to 250psi, Pumped 50bbls Kill mud on back side. Casing pressure on 0psi. Maintain 17ppg Kill mud in designated pit, to pump on back side if necessary. At time of report, Continue drilling ahead pasing 16,400'.

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

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

	Daily Total	Cumulative Cost
	$4,190.00	**$100,636.71**
INCLUDING 3RD PARTY CHARGES	**$7,739.60**	**$168,854.29**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/01/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #15

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	650		650			325	$4,550.00
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	84		84			140	$2,004.80
LIME (50)	50# sk	$5.00	175		175			175	$875.00
OPTI - G	50# sk	$30.59	76		76			84	$2,569.56
BENTONE 38 (50)	50# sk	$163.94	20		20			4	$655.76
BENTONE 910 (50)	50# sk	$59.40	55		55			11	$653.40
BENTONE 990 (50)	50# sk	$83.59	36		36			10	$835.90
OPTI - MUL	gal	$10.75	400		400			225	$2,418.75
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	97		97			53	$2,052.16
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	88		88			32	$168.00
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	47		47			47	$1,318.35
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37						15	$455.55
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	950		950			1642	$11,494.00
OPTI DRILL (OBM)	bbl	$65.00	2120		2120			390	$25,350.00
DISCOUNTED OBM	bbl	$15.00	982		830	152	$2,280.00	630	$9,450.00
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	28	$25,900.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	28	$840.00
ENGINEERING (MILES)	each	$1.00						1000	$1,000.00
TRUCKING (cwt)	each	$2.65						1711	$4,534.26
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $4,190.00			Cumulative Total $100,636.71			$100,636.71	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/01/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #15

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	200		200			50	$2,087.50
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50				
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32						7200	$9,504.00
OBM_D 7/21	gal	$1.32						7402	$9,770.64
DIESEL DELIVERY 7/22/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/24/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/27/20	gal	$1.36	5772		3162	2610	$3,549.60	4239	$5,765.04
DIESEL DELIVERY 7/28/20	gal	$1.40	7200		7200				
DIESEL DELIVERY 7/31/20	gal	$1.36		7498	7498				

Daily Sub-Total $3,549.60 | **$68,217.58**

Cumulative Total AES & 3rd Party $168,854.29

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4								
Grand Totals	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370							
	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370								
13,601	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	25	523	1,639	1,387	-	-	-	-	-	-	-	-
980	New Hole Vol.	-	472	237	-	-	11	83	2	16	1	23	73	61	-	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	3,097	3,097	3,097	3,097	3,097	3,097	3,097
42	Chemical Additions		19	5	-	-	-	16	-	-	-	-	1	-								
1,132	Base Fluid Added		315	235	29	37	77	109	60	119	108	11	33	-								
118	Barite Increase			47	-	-	-	-	-	18	17	14	22	-								
1,928	Weighted Mud Added		468		-	-	-	-	455	632	231	-	142	-								
-	Slurry Added				-	-	-	-	-	-	-	-	-	-								
135	Water Added		5	16	-	-	20	70	24	-	-	-	-	-								
4	Added for Washout			4	-	-	-	-	-	-	-	-	-	-								
3,359	Total Additions	-	807	307	29	37	97	195	538	769	356	25	198	-	-	-	-	-	-	-	-	-
90	Surface Losses		31	40	-	-		18	1	-	-	-	-	-								
1,292	Formation Loss			15	-	-		150	319	263	209	120	63	152								
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1	-	-	-								
156	Unrecoverable Volume				40	-	116	-	-	-	-	-	-	-								
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-	-	-								
2,329	Total Losses	-	379	307	56	26	142	273	321	280	210	120	63	152	-	-	-	-	-	-	-	-
280	Mud Transferred Out									280												
3,097	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	3,097	3,097	3,097	3,097	3,097	3,097	3,097	3,097
36	Mud Recovered		36																			

3,996

Comments:		Comments:		Comments:	
7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	POOH to change out BHA. TIH and resume drilling.	8/3/20	
7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	POOH to change out MWD, Back on bottom MWD not working properly. Trouble shoot same at time of report.	8/4/20	
7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	TIH back to bottom, resume drilling, pressure spike up. POOH to change out Mud Motor and bit.	8/5/20	
7/23/20	Running Casing in the hole.	7/30/20	TIH back to bottom, resume drilling, with fresh water and kill mud on back side. Pump 10-15bbls OBM sweep every connection.	8/6/20	
7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem, 2% EvoLube. Pump as requested	8/7/20	
7/25/20	TIH resume drilling on curve section.	8/1/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem. Pump as requested	8/8/20	
7/26/20	Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.	8/2/20		8/9/20	

08/02/20 **Report #16**

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

OUTSOURCE FLUID SOLUTIONS LLC.

83.3° **10,501' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**1,471 ft**	**17,841 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**82 ft/hr**	**POOH**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS

Weight	PV	YP	GELS	pH	API fl	% Solids
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**
				8/2/20		8/1/20
Time Sample Taken				2:00		13:00
Sample Location				suction		suction
Flowline Temperature °F						
Depth (ft)				17,841'		17,308'
Mud Weight (ppg)				8.4		8.4
Funnel Vis (sec/qt)			@ 90 °F	27		27
600 rpm				4		4
300 rpm				3		3
200 rpm				2		2
100 rpm				1		1
6 rpm				1		1
3 rpm				1		1
Plastic Viscosity (cp)			@ 120 °F	1		1
Yield Point (lb/100 ft²)			T0 = 1	2		2
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/2
Gel Strength (lb/100 ft^2)			30 min	2		2
API Filtrate / Cake Thickness				25/1		25/1
HTHP Filtrate / Cake Thickness			@ 0 °F			
Retort Solids Content				0.5%		0.5%
Retort Oil Content				1%		1%
Retort Water Content				98.5%		98.5%
Sand Content				0.5%		0%
M.B.T. (Methylene Blue Capacity) (ppb)						
pH				8.4		8.4
Alkalinity, Mud Pm				0.1		0.1
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.2
Chlorides (mg/L)				400		500
Calcium (ppm)				40		80
Excess Lime (lb/bbl)						
Average Specific Gravity of Solids				2.60	2.60	2.60
Percent Low Gravity Solids				0.5%		0.5%
Percent Drill Solids				0.5%		0.5%
PPA Spurt / Total (ml) @			@ 0 °F			
Estimated Total LCM in System			ppb			
Sample Taken By				A. Roman		M Washburn

MUD VOLUME (BBL)

In Pits	256 bbl
In Hole	731 bbl
Active	678 bbl
Storage	1978 bbl
Tot. on Location	2965 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 = 0.415 K = 114.973

Bit Depth = 11,000 ' Washout = 1% Pump Efficiency = 95%

Drill String Disp.				
82.9 bbl	Volume to Bit	134.2 bbl	Strokes To Bit	Time To Bit
	Bottoms Up Vol.	287.4 bbl	BottomsUp Stks	BottomsUp Time
	TotalCirc.Vol.	677.6 bbl	TotalCirc.Stks	Total Circ. Time

DRILLING ASSEMBLY DATA

Tubulars	OD (in.)	ID (in.)	Length	Top
Drill Pipe	4.500	3.826	8,252'	0'
Agitatior	5.000	3.000	35'	8,252'
Drill Pipe	4.500	2.500	2,593'	8,287'
Dir. BHA	5.000	2.688	120'	10,880'

CASING & HOLE DATA

Casing	OD (in.)	ID (in.)	Depth	Top
Riser				
Surface	10 3/4		2,769'	0'
Int. Csg.	7 5/8	6.875	10,239'	0'
Washout 1				
Washout 2				
Open Hole Size		6.818	17,841'	

ANNULAR GEOMETRY & RHEOLOGY

annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal
6.875x4.5	8,252'	0.0	lam	8.40
6.875x5	8,287'	0.0	lam	8.40
6.875x4.5	10,239'	0.0	lam	8.40
6.818x4.5	10,880'	0.0	lam	8.40
6.818x5	11,000'	0.0	lam	8.40

BIT DATA Manuf./Type HALLIB GTD64M

Size	Depth In	Hours	Footage	ROP ft/hr
6 3/4	12,821 ft	75.0	5,469 ft	72.9

SOLIDS CONTROL

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

Centrifuge 1

VOLUME ACCOUNTING (bbls)

Prev. Total on Location	3096.8
Transferred In(+)/Out(-)	147.0
Oil Added (+)	0.0
Barite Added (+)	0.0
Other Product Usage (+)	0.2
Water Added (+)	
Left on Cuttings (-)	0.0
Pumped Down Hole	-279.5
Est. Total on Location	2964.6
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:4,387bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--1,978bbls (Storage)--- 460bbls (Active)

TOTAL OBM ON SURFACE = 2438BBLS

$15 (9#-130bbl / 13.5#-398bbl)
$65(9#-970bbl / 13.5# 480bbl)

OBM GAIN/LOSS---(Daily -280) Total (-1433bbls)

Rig Activity:

Drilled to TD 17,841' MD. Using Fresh water water as the primary circulating median, Pump 3 x 20bbls OBM for sweeps (10.5ppg) Push last sweep out of bit and start Wash & Ream up to 12,291', Pumping 20bbls every 1000' of DP Pulled out of hole. At this depth start POOH conventional way, Fill up back side with OBM as POOH. Casing pressure 0 psi. Maintain 17ppg Kill mud in designated pit, to pump on back side if necessary. At time of report, Continue POOH passing 10668'. 0psi on Casing.

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

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

	Daily Total	Cumulative Cost
	$6,416.93	**$107,053.64**
INCLUDING 3RD PARTY CHARGES	**$14,844.45**	**$183,698.74**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/02/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #16

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	650		650			325	$4,550.00
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	84		84			140	$2,004.80
LIME (50)	50# sk	$5.00	175		175			175	$875.00
OPTI - G	50# sk	$30.59	76		76			84	$2,569.56
BENTONE 38 (50)	50# sk	$163.94	20		19	1	$163.94	5	$819.70
BENTONE 910 (50)	50# sk	$59.40	55		54	1	$59.40	12	$712.80
BENTONE 990 (50)	50# sk	$83.59	36		35	1	$83.59	11	$919.49
OPTI - MUL	gal	$10.75	400		400			225	$2,418.75
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	97		97			53	$2,052.16
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	88		88			32	$168.00
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	47		47			47	$1,318.35
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37						15	$455.55
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	950		950			1642	$11,494.00
OPTI DRILL (OBM)	bbl	$65.00	2120		2120			390	$25,350.00
DISCOUNTED OBM	bbl	$15.00	830	147	697	280	$4,200.00	910	$13,650.00
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						1000	$1,000.00
TRUCKING (cwt)	each	$2.65						1711	$4,534.26
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $6,416.93			**Cumulative Total $107,053.64**			**$107,053.64**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/02/20	**MAGNOLIA OIL & GAS**	**DIETZ OL UNIT 3H**	**248**	**Report #16**

DAILY USAGE & COST								**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	200		200			50	$2,087.50
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50				
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32						7200	$9,504.00
OBM_D 7/21	gal	$1.32						7402	$9,770.64
DIESEL DELIVERY 7/22/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/24/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/27/20	gal	$1.36	3162			3162	$4,300.32	7401	$10,065.36
DIESEL DELIVERY 7/28/20	gal	$1.40	7200		4252	2948	$4,127.20	2948	$4,127.20
DIESEL DELIVERY 7/31/20	gal	$1.36	7498		7498				
						Daily Sub-Total	$8,427.52		$76,645.10

Cumulative Total AES & 3rd Party $183,698.74

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

Grand Totals		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4							
	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841						
	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841							
15,072	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	25	523	1,639	1,387	1,471	-	-	-	-	-	-	-
1,045	New Hole Vol.	-	472	237	-	-	11	83	2	16	1	23	73	61	65	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,964	2,964	2,964	2,964	2,964	2,964
42	Chemical Additions		19	5	-	-	-	16	-	-	-	-	1	-	-							
1,132	Base Fluid Added		315	235	29	37	77	109	60	119	108	11	33	-	-							
118	Barite Increase			47	-	-	-	-	-	18	17	14	22	-	-							
2,075	Weighted Mud Added		468		-	-	-	-	455	632	231	-	142	-	147							
-	Slurry Added				-	-	-	-	-	-	-	-	-	-	-							
135	Water Added		5	16	-	-	20	70	24	-	-	-	-	-	-							
4	Added for Washout			4	-	-	-	-	-	-	-	-	-	-	-							
3,506	Total Additions	-	807	307	29	37	97	195	538	769	356	25	198	-	147	-	-	-	-	-	-	-
90	Surface Losses		31	40	-	-		18	1	-	-	-	-	-	-							
1,572	Formation Loss			15	-	-		150	319	263	209	120	63	152	280							
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1	-	-	-	-							
156	Unrecoverable Volume				40	-	116	-	-	-	-	-	-	-	-							
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-	-	-	-							
2,609	Total Losses	-	379	307	56	26	142	273	321	280	210	120	63	152	280	-	-	-	-	-	-	-
280	Mud Transferred Out									280												
2,964	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,964	2,964	2,964	2,964	2,964	2,964	2,964
36	Mud Recovered		36																			

4,143

Comments:		Comments:		Comments:	
7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	POOH to change out BHA. TIH and resume drilling.	8/3/20	
7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	POOH to change out MWD, Back on bottom MWD not working properly. Trouble shoot same at time of report.	8/4/20	
7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	TIH back to bottom, resume drilling, pressure spike up. POOH to change out Mud Motor and bit.	8/5/20	
7/23/20	Running Casing in the hole.	7/30/20	TIH back to bottom, resume drilling, with fresh water and kill mud on back side. Pump 10-15bbls OBM sweep every connection.	8/6/20	
7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem, 2% EvoLube. Pump as requested	8/7/20	
7/25/20	TIH resume drilling on curve section.	8/1/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem. Pump as requested	8/8/20	
7/26/20	Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.	8/2/20	Drill to TD, 17841'. Circulate Clean up Cycle and POOH, Wash and Ream up to 12291. Pull conventional from there.	8/9/20	

08/03/20 **Report #17**

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

OUTSOURCE FLUID SOLUTIONS LLC.

87.4° **10,302' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**0 ft**	**17,841 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**0 ft/hr**	**Running Casing**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	GELS	pH	API fl	% Solids	In Pits	355 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**	In Hole	703 bbl	Stroke	12	Stroke	12	Stroke	
				8/3/20		8/1/20	Active	938 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				2:00		13:00	Storage	1712 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				suction		suction	Tot. on Location	2770 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.415	K = 114.973
Depth (ft)				17,841'		17,308'	Bit Depth = 15,199 '		Washout = 1%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.4		8.4	Drill String Disp.	Volume to Bit 293.5 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)		@ 90 °F		27		27		Bottoms Up Vol. 289.9 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				4		4	110.7 bbl	TotalCirc.Vol. 938.4 bbl	TotalCirc.Stks				Total Circ. Time	
300 rpm				3		3	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				2		2	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				1		1	Casing	5.500	4.670	6,884'	0'		Shaker 1	170	
6 rpm				1		1	Casing	5.000	4.276	8,315'	6,884'		Shaker 2	170	
3 rpm				1		1					15,199'		Shaker 3	170	
Plastic Viscosity (cp)		@ 120 °F		1		1					15,199'				
Yield Point (lb/100 ft²)		T0 = 1		2		2	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)		10 sec/10 min		1/2		1/2	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1		
Gel Strength (lb/100 ft^2)		30 min		2		2	Riser						**VOLUME ACCOUNTING (bbls)**		
API Filtrate / Cake Thickness				25/1		25/1	Surface	10 3/4		2,769'	0'		Prev. Total on Location		2964.5
HTHP Filtrate / Cake Thickness		@ 0 °F					Int. Csg.	7 5/8	6.875	10,239'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				0.5%		0.5%	Washout 1						Oil Added (+)		0.0
Retort Oil Content				1%		1%	Washout 2						Barite Added (+)		17.4
Retort Water Content				98.5%		98.5%	Open Hole Size	6.818	17,841'				Other Product Usage (+)		0.0
Sand Content				0.5%		0%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		
M.B.T. (Methylene Blue Capacity) (ppb)							annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		0.0
pH				8.4		8.4							Pumped Down Hole		-212.2
Alkalinity, Mud Pm				0.1		0.1									
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.2	6.875x5.5	6,884'	0.0	lam	8.40		Est. Total on Location		2769.7
Chlorides (mg/L)				400		500	6.875x5	10,239'	0.0	lam	8.40		Est. Losses/Gains (-)/(+)		0.0
Calcium (ppm)				40		80	6.818x5	15,199'	0.0	lam	8.40		**BIT HYDRAULICS DATA**		
Excess Lime (lb/bbl)													Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Average Specific Gravity of Solids				2.60	2.60	2.60									
Percent Low Gravity Solids				0.5%		0.5%							Bit Impact Force	Nozzle Velocity (ft/sec)	
Percent Drill Solids				0.5%		0.5%									
PPA Spurt / Total (ml) @		@ 0 °F					**BIT DATA**		Manuf./Type						
Estimated Total LCM in System		ppb					Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				A. Roman		M Washburn	6 3/4								

Remarks/Recommendations:

OBM RECEIVED:4,387bbls / OBM RETURNED: -280bbls

OBM ON SURFACE--1,900bbls (Storage)--- 480bbls (Active)

TOTAL OBM ON SURFACE = 2438BBLS

$15 (9#- 50bbl / 13.5#-400bbl)
$65(9#-970bbl / 13.5# 480bbl)

OBM GAIN/LOSS---(Daily -212) Total (-1645bbls)

Rig Activity:

POOH and lay down Directional tools. Fill up well on back side with OBM, transfer from Frack tanks to maintain Volume. Pumped 235bbls while POOH. Pick up and rig up Casing running tools, start running production casing 5" & 5.5" @14:00hrs. Fill up Casing after 6000' with fresh water and every 1000' pass 6000'. No Casing pressure and no displacement from casing run at this time. At time of report, continue running casing passing 15339'.

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

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

	Daily Total	Cumulative Cost
	$4,110.00	**$111,163.64**
INCLUDING 3RD PARTY CHARGES	**$4,768.00**	**$188,466.74**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/03/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #17

DAILY USAGE & COST								CUMULATIVE	
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ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	84		84			140	$2,004.80
LIME (50)	50# sk	$5.00	175		175			175	$875.00
OPTI - G	50# sk	$30.59	76		76			84	$2,569.56
BENTONE 38 (50)	50# sk	$163.94	19		19			5	$819.70
BENTONE 910 (50)	50# sk	$59.40	54		54			12	$712.80
BENTONE 990 (50)	50# sk	$83.59	35		35			11	$919.49
OPTI - MUL	gal	$10.75	400		400			225	$2,418.75
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	97		97			53	$2,052.16
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	88		88			32	$168.00
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	47		47			47	$1,318.35
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37						15	$455.55
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	950		700	250	$1,750.00	1892	$13,244.00
OPTI DRILL (OBM)	bbl	$65.00	2120		2120			390	$25,350.00
DISCOUNTED OBM	bbl	$15.00	697		697			910	$13,650.00
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				450	$450.00	1450	$1,450.00
TRUCKING (cwt)	each	$2.65						1711	$4,534.26
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $4,110.00			Cumulative Total $111,163.64			$111,163.64	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/03/20	**MAGNOLIA OIL & GAS**	**DIETZ OL UNIT 3H**	**248**	**Report #17**

DAILY USAGE & COST									**CUMULATIVE**	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost		Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	200		200				50	$2,087.50
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50					
OBM D	gal	$1.36								
OBM D 7/20 Skid Vol.	gal	$1.34							15750	$21,105.00
OBM_D 7/20	gal	$1.32							7200	$9,504.00
OBM_D 7/21	gal	$1.32							7402	$9,770.64
DIESEL DELIVERY 7/22/20	gal	$1.35							7402	$9,992.70
DIESEL DELIVERY 7/24/20	gal	$1.35							7402	$9,992.70
DIESEL DELIVERY 7/27/20	gal	$1.36							7401	$10,065.36
DIESEL DELIVERY 7/28/20	gal	$1.40	4252		3782	470	$658.00		3418	$4,785.20
DIESEL DELIVERY 7/31/20	gal	$1.36	7498		7498					

Daily Sub-Total $658.00

$77,303.10

Cumulative Total AES & 3rd Party $188,466.74

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4							
Grand Totals	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841					
	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841						
15,072	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	25	523	1,639	1,387	1,471	-	-	-	-	-	-	-
1,045	New Hole Vol.	-	472	237	-	-	11	83	2	16	1	23	73	61	65	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,770	2,770	2,770	2,770	2,770
42	Chemical Additions		19	5	-	-	-	16	-	-	-	-	1	-	-	-						
1,132	Base Fluid Added		315	235	29	37	77	109	60	119	108	11	33	-	-	-						
136	Barite Increase			47	-	-	-	-	-	18	17	14	22	-	-	17						
2,075	Weighted Mud Added		468		-	-	-	-	455	632	231	-	142	-	147	-						
-	Slurry Added				-	-	-	-	-	-	-	-	-	-	-	-						
135	Water Added		5	16	-	-	20	70	24	-	-	-	-	-	-	-						
4	Added for Washout			4	-	-	-	-	-	-	-	-	-	-	-	-						
3,523	Total Additions	-	807	307	29	37	97	195	538	769	356	25	198	-	147	17	-	-	-	-	-	-
90	Surface Losses		31	40	-	-		18	1	-	-	-	-	-	-	-						
1,784	Formation Loss			15	-	-		150	319	263	209	120	63	152	280	212						
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1	-	-	-	-	-						
156	Unrecoverable Volume				40	-	116	-	-	-	-	-	-	-	-	-						
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-	-	-	-	-						
2,822	Total Losses	-	379	307	56	26	142	273	321	280	210	120	63	152	280	212	-	-	-	-	-	-
280	Mud Transferred Out									280												
2,770	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,770	2,770	2,770	2,770	2,770	2,770
36	Mud Recovered		36																			

	Comments:		Comments:		Comments:	
	7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	POOH to change out BHA. TIH and resume drilling.	8/3/20	Running Casing, No returns, fill up with fresh water. Maintain 17#obm kill mud in tank 7
4,143	7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	POOH to change out MWD, Back on bottom MWD not working properly. Trouble shoot same at time of report.	8/4/20	
	7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	TIH back to bottom, resume drilling, pressure spike up. POOH to change out Mud Motor and bit.	8/5/20	
	7/23/20	Running Casing in the hole.	7/30/20	TIH back to bottom, resume drilling, with fresh water and kill mud on back side. Pump 10-15bbls OBM sweep every connection.	8/6/20	
	7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem, 2% EvoLube. Pump as requested	8/7/20	
	7/25/20	TIH resume drilling on curve section.	8/1/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem. Pump as requested	8/8/20	
	7/26/20	Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.	8/2/20	Drill to TD, 17841'. Circulate Clean up Cycle and POOH, Wash and Ream up to 12291. Pull conventional from there.	8/9/20	

08/04/20 **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**	**07/10/20**	**0 ft**	**17,841 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**0 ft/hr**	**WOC**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**WBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	GELS	pH	API fl	% Solids	In Pits	877 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
8.4-9.6	**0-10**	**0-10**	**<5 <10**	**8.4-9**	**<25**	**2-10**	In Hole	0 bbl	Stroke	12	Stroke	12	Stroke	
				8/3/20		8/3/20	Active	877 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken				2:00		11:00	Storage	1465 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				suction		suction	Tot. on Location	2342 bbl	gal/min	0	gal/min	0	gal/min	0
Flowline Temperature °F							PHHP = 0		**CIRCULATION DATA**				n = 0.415	K = 114.973
Depth (ft)				17,841'		17,841'			Washout = 1%				Pump Efficiency = 95%	
Mud Weight (ppg)				8.4		8.4	Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit				Time To Bit	
Funnel Vis (sec/qt)			@ 90 °F	27		27		Bottoms Up Vol. 0.0 bbl	BottomsUp Stks				BottomsUp Time	
600 rpm				4		4	0.0 bbl	TotalCirc.Vol. 877.0 bbl	TotalCirc.Stks				Total Circ. Time	
300 rpm				3		3	**DRILLING ASSEMBLY DATA**						**SOLIDS CONTROL**	
200 rpm				2		2	Tubulars	OD (in.)	ID (in.)	Length	Top		Unit	Screens	Hours
100 rpm				1		1				0'	0'		Shaker 1	170	
6 rpm				1		1					0'		Shaker 2	170	
3 rpm				1		1					0'		Shaker 3	170	
Plastic Viscosity (cp)			@ 120 °F	1		1					0'				
Yield Point (lb/100 ft²)			T0 = 1	2		2	**CASING & HOLE DATA**								
Gel Strength (lb/100 ft²)			10 sec/10 min	1/2		1/2	Casing	OD (in.)	ID (in.)	Depth	Top		Centrifuge 1		
Gel Strength (lb/100 ft^2)			30 min	2		2	Riser						**VOLUME ACCOUNTING (bbls)**		
API Filtrate / Cake Thickness				25/1		25/1	Surface	10 3/4		2,769'	0'		Prev. Total on Location		2769.7
HTHP Filtrate / Cake Thickness			@ 0 °F				Int. Csg.	7 5/8		10,239'	0'		Transferred In(+)/Out(-)		
Retort Solids Content				0.5%		0.5%	Prod.	5 1/2		9,517'	0'		Oil Added (+)		44.8
Retort Oil Content				1%		1%	Prod.	5		17,832'	8,315'		Barite Added (+)		0.0
Retort Water Content				98.5%		98.5%	Open Hole Size	0.000		17,841'			Other Product Usage (+)		0.0
Sand Content				0.5%		0%	**ANNULAR GEOMETRY & RHEOLOGY**						Water Added (+)		
M.B.T. (Methylene Blue Capacity) (ppb)							annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal		Left on Cuttings (-)		0.0
pH				8.4		8.4							Pumped Down Hole		
Alkalinity, Mud Pm				0.1		0.1							Lost Returns (-)		-472.5
Alkalinities, Filtrate Pf/Mf				0.1/0.2		0.1/0.2							Est. Total on Location		2342.0
Chlorides (mg/L)				400		500							Est. Losses/Gains (-)/(+)		0.0
Calcium (ppm)				40		80							**BIT HYDRAULICS DATA**		
Excess Lime (lb/bbl)													Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Average Specific Gravity of Solids				2.60	2.60	2.60									
Percent Low Gravity Solids				0.5%		0.5%							Bit Impact Force	Nozzle Velocity (ft/sec)	
Percent Drill Solids				0.5%		0.5%									
PPA Spurt / Total (ml) @			@ 0 °F				**BIT DATA**		Manuf./Type						
Estimated Total LCM in System			ppb				Size	Depth In	Hours	Footage	ROP ft/hr		Motor/MWD		Calc. Circ. Pressure
Sample Taken By				A. Roman		M Washburn									

Remarks/Recommendations:

OBM RECEIVED:4,387bbls / OBM RETURNED: -280bbls

OBM ON SURFACE-- 1465bbls (Storage)--- 877bbls (Active)

TOTAL OBM ON SURFACE = 2,342BBLS

$15 (17# 51 bbl / 13.5# 245bbl)
$65(9# 710bbl / 13.5# 459bbl)

OBM GAIN/LOSS---(Daily -475) Total (-2120bbls)

Rig Activity:

Production casing on bottom @10:00am. Wash down casing from 15,900' to TD due to resistance encounter from this depth to bottom. With Casing on bottom Pump casing capacity with fresh water and start cementing operations. Pumping down cement and displace same with no returns at any time. Bump plug with calculated displacement. WOC 24hrs. Fill up Active system with OBM from storage, condition and decrease MW to 9ppg. Trasnfer Discounted mud to slug tanks and cut back to 10ppg. Will fill up on back side once well open. and find top of cement, depending on top of cement a possible Second Stage Cement job will be performed. At time of report, WOC.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:
Matt Mehan	Adolfo Roman	MIDLAND	WH #2	
Phone: 985-351-7561	Phone: 956-821-9994	Phone: 432-686-7361	Phone: -	

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

	Daily Total	Cumulative Cost
	$22,885.00	**$134,048.64**
INCLUDING 3RD PARTY CHARGES	**$25,517.00**	**$213,983.74**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/04/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #18

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58		58			27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88		88				
EVO-LUBE	gal	$14.00	650		650			325	$4,550.00
NEW GEL (PREMIUM)	100# sk	$19.75	70		70				
ALUMINUM TRISTEARATE	25# sk	$162.83	20		20				
CACL2 (50)	50# sk	$14.32	84		84			140	$2,004.80
LIME (50)	50# sk	$5.00	175		175			175	$875.00
OPTI - G	50# sk	$30.59	76		76			84	$2,569.56
BENTONE 38 (50)	50# sk	$163.94	19		19			5	$819.70
BENTONE 910 (50)	50# sk	$59.40	54		54			12	$712.80
BENTONE 990 (50)	50# sk	$83.59	35		35			11	$919.49
OPTI - MUL	gal	$10.75	400		400			225	$2,418.75
OPTI - WET	gal	$8.34	550		550			165	$1,376.10
NEW PHALT	50# sk	$38.72	97		97			53	$2,052.16
OIL SORB (25)	25# sk	$4.75	18		18				
NEW CARB (M)	50# sk	$5.25	88		88			32	$168.00
CYBERSEAL	25# sk	$21.47	180		180				
MAGMAFIBER F (25)	25# sk	$28.05	47		47			47	$1,318.35
MAGMAFIBER R (30)	30# sk	$28.05	78		78				
VARISEAL	50# sk	$26.50	50		50				
FIBER PLUG	30# sk	$30.37						15	$455.55
DYNAFIBER (M)	25# sk	$53.67	120		120				
NEW WATE (SACK BARITE)	100# sk	$11.50	104		104			56	$644.00
BARITE BULK (100)	100# sk	$7.00	700		700			1892	$13,244.00
OPTI DRILL (OBM)	bbl	$65.00	2120		1843	277	$18,005.00	667	$43,355.00
DISCOUNTED OBM	bbl	$15.00	697		499	198	$2,970.00	1108	$16,620.00
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	34	$31,450.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	34	$1,020.00
ENGINEERING (MILES)	each	$1.00						1450	$1,450.00
TRUCKING (cwt)	each	$2.65						1711	$4,534.26
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $22,885.00			**Cumulative Total $134,048.64**			**$134,048.64**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/04/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #18

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	200		200			50	$2,087.50
TURBO CHEM SYNSEAL	25# sk	$41.75	50		50				
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32						7200	$9,504.00
OBM_D 7/21	gal	$1.32						7402	$9,770.64
DIESEL DELIVERY 7/22/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/24/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/27/20	gal	$1.36						7401	$10,065.36
DIESEL DELIVERY 7/28/20	gal	$1.40	3782		1902	1880	$2,632.00	5298	$7,417.20
DIESEL DELIVERY 7/31/20	gal	$1.36	7498		7498				
							Daily Sub-Total $2,632.00		$79,935.10

Cumulative Total AES & 3rd Party $213,983.74

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4						
Grand Totals	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841	17,832				
	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841	17,832					
15,072	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	25	523	1,639	1,387	1,471	-	-	-	-	-	-	-
1,045	New Hole Vol.	-	472	237	-	-	11	83	2	16	1	23	73	61	65	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,342	2,342	2,342	2,342	2,342
42	Chemical Additions		19	5	-	-	-	16	-	-	-	-	1	-	-	-						
1,177	Base Fluid Added		315	235	29	37	77	109	60	119	108	11	33	-	-	-	45					
136	Barite Increase			47	-	-	-	-	-	18	17	14	22	-	-	17	-					
2,075	Weighted Mud Added		468		-	-	-	-	455	632	231	-	142	-	147	-	-					
-	Slurry Added				-	-	-	-	-	-	-	-	-	-	-	-	-					
135	Water Added		5	16	-	-	20	70	24	-	-	-	-	-	-	-	-					
4	Added for Washout			4	-	-	-	-	-	-	-	-	-	-	-	-	-					
3,568	Total Additions	-	807	307	29	37	97	195	538	769	356	25	198	-	147	17	45	-	-	-	-	-
90	Surface Losses		31	40	-	-		18	1	-	-	-	-	-	-	-	-					
2,257	Formation Loss			15	-	-		150	319	263	209	120	63	152	280	212	473					
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1	-	-	-	-	-	-					
156	Unrecoverable Volume				40	-	116	-	-	-	-	-	-	-	-	-	-					
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-	-	-	-	-	-					
3,294	Total Losses	-	379	307	56	26	142	273	321	280	210	120	63	152	280	212	473	-	-	-	-	-
280	Mud Transferred Out									280												
2,342	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,342	2,342	2,342	2,342	2,342	2,342
36	Mud Recovered		36																			

4,143

Comments:		Comments:		Comments:	
7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	POOH to change out BHA. TIH and resume drilling.	8/3/20	Running Casing, No returns, fill up with fresh water. Maintain 17#obm kill mud in tank 7
7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	POOH to change out MWD, Back on bottom MWD not working properly. Trouble shoot same at time of report.	8/4/20	Casing on bottom, Cement with no returns. WOC 24hrs. Will fill up back side and estimate top of cement. Possible top off with cement.
7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	TIH back to bottom, resume drilling, pressure spike up. POOH to change out Mud Motor and bit.	8/5/20	
7/23/20	Running Casing in the hole.	7/30/20	TIH back to bottom, resume drilling, with fresh water and kill mud on back side. Pump 10-15bbls OBM sweep every connection.	8/6/20	
7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem, 2% EvoLube. Pump as requested	8/7/20	
7/25/20	TIH resume drilling on curve section.	8/1/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem. Pump as requested	8/8/20	
7/26/20	Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.	8/2/20	Drill to TD, 17841'. Circulate Clean up Cycle and POOH, Wash and Ream up to 12291. Pull conventional from there.	8/9/20	

08/05/20 **Report #19**

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

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° **0' TVD**

Operator	Contractor	County / Parish / Block	Engineer Start Date	24 hr ftg.	Drilled Depth
MAGNOLIA OIL & GAS	**PATTERSON**	**WASHINGTON**	**07/10/20**	**0 ft**	**17,841 ft**
Well Name and No.	Rig Name and No.	State	Spud Date	Current ROP	Activity
DIETZ OL UNIT 3H	**248**	**TEXAS**	**07/09/20**	**0 ft/hr**	**Final Report**
Report for	Report for	Field / OCS-G #	Fluid Type	Circulating Rate	Circulating Pressure
JIM HARRISON/JAMES DYER	**Tool Pusher**	**GIDDIGNS**	**OBM**	**0 gpm**	**psi**

MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER	
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	0 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size	
9-9.7	**5-15**	**8-11**	**>400**	**±250K**	**<8 <11**	**<8**	In Hole	0 bbl	Stroke	12	Stroke	12	Stroke	
						8/5/20	Active	0 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000
Time Sample Taken						12:30	Storage	0 bbl	stk/min	0	stk/min	0	stk/min	
Sample Location				Suction		suction	Tot. on Location	0 bbl	gal/min	0	gal/min	0	gal/min	0

Flowline Temperature °F				PHHP = 0	CIRCULATION DATA	n = 0.613 K = 189.592
Depth (ft)			17,841'		Washout = 1%	Pump Efficiency = 95%
Mud Weight (ppg)			9.1	Drill String Disp.	Volume to Bit 0.0 bbl	Strokes To Bit	Time To Bit
Funnel Vis (sec/qt) @ 130 °F			46		Bottoms Up Vol. 0.0 bbl	BottomsUp Stks	BottomsUp Time
600 rpm			26	0.0 bbl	TotalCirc.Vol. 0.0 bbl	TotalCirc.Stks	Total Circ. Time
300 rpm			17		DRILLING ASSEMBLY DATA		SOLIDS CONTROL
200 rpm			14	Tubulars	OD (in.)	ID (in.)	Length	Top	Unit	Screens	Hours
100 rpm			12				0'	0'	Shaker 1	170	
6 rpm			6					0'	Shaker 2	170	
3 rpm			5					0'	Shaker 3	170	
Plastic Viscosity (cp) @ 150 °F			9					0'			
Yield Point (lb/100 ft²) T0 = 4			8		CASING & HOLE DATA						
Gel Strength (lb/100 ft²) 10 sec/10 min			6/8	Casing	OD (in.)	ID (in.)	Depth	Top	Centrifuge 1		
Gel Strength (lb/100 ft²) 30 min			11	Riser					VOLUME ACCOUNTING (bbls)		
HTHP Filtrate (cm/30 min) @ 300 °F			7.2	Surface	10 3/4		2,769'	0'	Prev. Total on Location		2342.0
HTHP Cake Thickness (32nds)			2.0	Int. Csg.	7 5/8		10,239'	0'	Transferred In(+)/Out(-)		-2160.0
Retort Solids Content			10%	Prod.	5 1/2		9,517'	0'	Oil Added (+)		0.0
Corrected Solids (vol%)			8.2%	Prod.	5		17,832'	8,315'	Barite Added (+)		7.0
Retort Oil Content			68%	Open Hole Size	0.000		17,841'		Other Product Usage (+)		0.0
Retort Water Content			22%	ANNULAR GEOMETRY & RHEOLOGY					Water Added (+)		
O/W Ratio			76:24	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal	Left on Cuttings (-)		0.0
Whole Mud Chlorides (mg/L)			46,000						Centrifuge losses		-69.0
Water Phase Salinity (ppm)			246,915						Lost Returns (-)		-120.0
Whole Mud Alkalinity, Pom			1.4						Est. Total on Location		0.0
Excess Lime (lb/bbl)			1.8 ppb						Est. Losses/Gains (-)/(+)		0.0
Electrical Stability (volts)			436 v						BIT HYDRAULICS DATA		
Average Specific Gravity of Solids			2.78						Bit H.S.I.	Bit ΔP	Nozzles (32nds)
Percent Low Gravity Solids			6.2%								
ppb Low Gravity Solids			51 ppb						Bit Impact Force	Nozzle Velocity (ft/sec)	
Percent Barite			2%								
ppb Barite			29 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	0	0	0								

Remarks/Recommendations:

OBM TRASNFER TO PALO DURO 1H: 2160BBLS

OBM ON SURFACE-- 1429bbls (Storage)--- 731bbls (Active)

TOTAL OBM ON SURFACE = 2,160BBLS

$15 (17# 51 bbl / 13.5# 209bbl)
$65(9# 710bbl / 13.5# 459bbl)

TOTAL OBM LOSSES: -1956BBL

Rig Activity:

Open Well up and fill up on back side with OBM 120bbls of 10ppg discounted mud. Casing pressure up to 550psi after 70bbls on back side, continue to pump 50bbls obm. Second stage Cement pumped on back side and injected down with water. Secure well and monitor pressure while rigging down Cement tools. 0psi on Casing. Nipple down and set pack off on well head. Well Secure and start operations to walk rig to next well PALO DURO 1H. THIS IS FINAL REPORT FOR THIS WELL. At the time of report: Nipple up on Palo Duro 1H. Thank you.

Eng. 1:	Eng. 2:	WH 1:	WH 2:	Rig Phone:	Daily Total	Cumulative Cost
Matt Mehan	Adolfo Roman	MIDLAND	WH #2			
Phone: 985-351-7561	Phone: 956-821-9994	Phone: 432-686-7361	Phone: -		**$5,475.00**	**$139,523.64**

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

INCLUDING 3RD PARTY CHARGES	**$5,475.00**	**$219,458.74**

OUTSOURCE FLUID SOLUTIONS LLC.

MATERIAL CONSUMPTION

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/05/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #19

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
SAPP (50)	50# sk	$44.56	58	-58				27	$1,203.12
PHPA LIQUID (pail)	5 gal	$41.36	88	-88					
EVO-LUBE	gal	$14.00	650	-650				325	$4,550.00
NEW GEL (PREMIUM)	100# sk	$19.75	70	-70					
ALUMINUM TRISTEARATE	25# sk	$162.83	20	-20					
CACL2 (50)	50# sk	$14.32	84	-84				140	$2,004.80
LIME (50)	50# sk	$5.00	175	-175				175	$875.00
OPTI - G	50# sk	$30.59	76	-76				84	$2,569.56
BENTONE 38 (50)	50# sk	$163.94	19	-19				5	$819.70
BENTONE 910 (50)	50# sk	$59.40	54	-54				12	$712.80
BENTONE 990 (50)	50# sk	$83.59	35	-35				11	$919.49
OPTI - MUL	gal	$10.75	400	-400				225	$2,418.75
OPTI - WET	gal	$8.34	550	-550				165	$1,376.10
NEW PHALT	50# sk	$38.72	97	-97				53	$2,052.16
OIL SORB (25)	25# sk	$4.75	18	-18					
NEW CARB (M)	50# sk	$5.25	88	-88				32	$168.00
CYBERSEAL	25# sk	$21.47	180	-180					
MAGMAFIBER F (25)	25# sk	$28.05	47	-47				47	$1,318.35
MAGMAFIBER R (30)	30# sk	$28.05	78	-78					
VARISEAL	50# sk	$26.50	50	-50					
FIBER PLUG	30# sk	$30.37						15	$455.55
DYNAFIBER (M)	25# sk	$53.67	120	-120					
NEW WATE (SACK BARITE)	100# sk	$11.50	104	-104				56	$644.00
BARITE BULK (100)	100# sk	$7.00	700	-600		100	$700.00	1992	$13,944.00
OPTI DRILL (OBM)	bbl	$65.00	1843	-1840		3	$195.00	670	$43,550.00
DISCOUNTED OBM	bbl	$15.00	499	-321		178	$2,670.00	1286	$19,290.00
ENGINEERING (24 HR)	each	$925.00				2	$1,850.00	36	$33,300.00
ENGINEERING (DIEM)	bbl	$30.00				2	$60.00	36	$1,080.00
ENGINEERING (MILES)	each	$1.00						1450	$1,450.00
TRUCKING (cwt)	each	$2.65						1711	$4,534.26
TRUCKING (min)	each	$795.00							
PALLETS (ea)	each	$12.00						12	$144.00
SHRINK WRAP (ea)	each	$12.00						12	$144.00
		Daily Sub-Total $5,475.00			**Cumulative Total $139,523.64**			**$139,523.64**	

THIRD PARTY COST SHEET

Date	Operator	Well Name and No.	Rig Name and No.	Report No.
08/05/20	MAGNOLIA OIL & GAS	DIETZ OL UNIT 3H	248	Report #19

DAILY USAGE & COST								CUMULATIVE	
Item	Unit	Unit Cost	Previous Inventory	Received	Closing Inventory	Daily Usage	Daily Cost	Cum Usage	Cum Cost
TURBO CHEM / FIRST RESPONSE	25# sk	$41.75	200	-200				50	$2,087.50
TURBO CHEM SYNSEAL	25# sk	$41.75	50	-50					
OBM D	gal	$1.36							
OBM D 7/20 Skid Vol.	gal	$1.34						15750	$21,105.00
OBM_D 7/20	gal	$1.32						7200	$9,504.00
OBM_D 7/21	gal	$1.32						7402	$9,770.64
DIESEL DELIVERY 7/22/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/24/20	gal	$1.35						7402	$9,992.70
DIESEL DELIVERY 7/27/20	gal	$1.36						7401	$10,065.36
DIESEL DELIVERY 7/28/20	gal	$1.40	1902	-1902				5298	$7,417.20
DIESEL DELIVERY 7/31/20	gal	$1.36	7498	-7498					
									$79,935.10

Cumulative Total AES & 3rd Party $219,458.74

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	DIETZ OL UNIT 3H

		WEEK 1							WEEK 2							WEEK 3						
	Date	7/20/20	7/21/20	7/22/20	7/23/20	7/24/20	7/25/20	7/26/20	7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	8/3/20	8/4/20	8/5/20	8/6/20	8/7/20	8/8/20	8/9/20
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4					
Grand Totals	Starting Depth	2,769	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841	17,832	17,832			
	Ending Depth	2,769	7,751	10,249	10,249	10,249	10,502	12,382	12,427	12,796	12,821	13,344	14,983	16,370	17,841	17,841	17,832	17,832				
15,072	Footage Drilled	-	4,982	2,498	-	-	253	1,880	45	369	25	523	1,639	1,387	1,471	-	-	-	-	-	-	-
1,045	New Hole Vol.	-	472	237	-	-	11	83	2	16	1	23	73	61	65	-	-	-	-	-	-	-
	Starting System Volume	2,348	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,342	(0)	(0)	(0)	(0)
42	Chemical Additions		19	5	-	-	-	16	-	-	-	-	1	-	-	-		-				
1,177	Base Fluid Added		315	235	29	37	77	109	60	119	108	11	33	-	-	-	45	-				
143	Barite Increase			47	-	-	-	-	-	18	17	14	22	-	-	17	-	7				
2,075	Weighted Mud Added		468		-	-	-	-	455	632	231	-	142	-	147	-	-	-				
-	Slurry Added				-	-	-	-	-	-	-	-	-	-	-	-	-	-				
135	Water Added		5	16	-	-	20	70	24	-	-	-	-	-	-	-	-	-				
4	Added for Washout			4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
3,575	Total Additions	-	807	307	29	37	97	195	538	769	356	25	198	-	147	17	45	7	-	-	-	-
90	Surface Losses		31	40	-	-		18	1	-	-	-	-	-	-	-	-	-				
2,446	Formation Loss			15	-	-		150	319	263	209	120	63	152	280	212	473	189				
682	Mud Loss to Cuttings		330	237	-	-	11	85	1	17	1	-	-	-	-	-	-	-				
156	Unrecoverable Volume				40	-	116	-	-	-	-	-	-	-	-	-	-	-				
110	Centrifuge Losses		18	15	16	26	15	20	-	-	-	-	-	-	-	-	-	-				
3,483	Total Losses	-	379	307	56	26	142	273	321	280	210	120	63	152	280	212	473	189	-	-	-	-
2,440	Mud Transferred Out									280								2,160				
(0)	Ending System Volume	2,348	2,776	2,776	2,748	2,759	2,715	2,637	2,855	3,064	3,210	3,115	3,249	3,097	2,964	2,770	2,342	(0)	(0)	(0)	(0)	(0)
36	Mud Recovered		36																			

1,983

Comments:		Comments:		Comments:	
7/20/20	Skid Volume 2093bbls + 255bbls left in casing. Skidding/ NU and Test.	7/27/20	POOH to change out BHA. TIH and resume drilling.	8/3/20	Running Casing, No returns, fill up with fresh water. Maintain 17#obm kill mud in tank 7
7/21/20	Rec. 432bbls from Newpark. Mud lost to Cutting-330.4bbls, Evap-20.6bbls, Cent-18bbls, Pits-10bbls////// Recovered 35.7bbls	7/28/20	POOH to change out MWD, Back on bottom MWD not working properly. Trouble shoot same at time of report.	8/4/20	Casing on bottom, Cement with no returns. WOC 24hrs. Will fill up back side and estimate top of cement. Possible top off with cement.
7/22/20	Mud lost to Cutting 237bbls, Evap 25bbls, Cent 15bbls,Pits 10bbls and Seepage 15.4	7/29/20	TIH back to bottom, resume drilling, pressure spike up. POOH to change out Mud Motor and bit.	8/5/20	FINAL REPORT. TRASFER ALL SACK MATERIAL AND OBM TO PALO DURO 1H. THANK YOU
7/23/20	Running Casing in the hole.	7/30/20	TIH back to bottom, resume drilling, with fresh water and kill mud on back side. Pump 10-15bbls OBM sweep every connection.	8/6/20	
7/24/20	Test bop's and pick up BHA and 4.5" DP.	7/31/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem, 2% EvoLube. Pump as requested	8/7/20	
7/25/20	TIH resume drilling on curve section.	8/1/20	Drilling ahead on lateral. Water for drilling. OBM sweeps, 10.5ppg with 2ppb Turbo chem. Pump as requested	8/8/20	
7/26/20	Curve landed, Drill on lateral to 12342' (Lost returns). Drillng ahead with fresh water.	8/2/20	Drill to TD, 17841'. Circulate Clean up Cycle and POOH, Wash and Ream up to 12291. Pull conventional from there.	8/9/20	