

02/01/22

110 Old Market St.
St Martinville, LA 70582

Report #1
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

4.7° 2,735' TVD

Operator MAGNOLIA OIL & GAS				Contractor PATTERSON			County / Parish / Block WASHINGTON		Engineer Start Date 02/01/22		24 hr fig. 2,823 ft		Drilled Depth 2,823 ft				
Well Name and No. KLONDIKE RUSH H06 KL				Rig Name and No. 248			State TEXAS		Spud Date 02/01/22		Current ROP 0 ft/hr		Activity POOH				
Report for Kevin Burt/Chris Mayeux				Report for Tool Pusher			Field / OCS-G # GIDDINGS		Fluid Type WBM		Circulating Rate 0 gpm		Circulating Pressure psi				
MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER				
Weight	PV	YP	GELS	pH	API fl	% Solids	In Pits	517 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	502 bbl	Stroke	12	Stroke	12	Stroke				
				2/1/22			Active	1002 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk 0.0000				
Time Sample Taken				0:30			Storage		stk/min	0	stk/min	0	stk/min				
Sample Location				pit			Tot. on Location	1019 bbl	gal/min	0	gal/min	0	gal/min 0				
Flowline Temperature °F				75 °F			PHHP = 0 CIRCULATION DATA n = 0.585 K = 26.563										
Depth (ft)				2,800'			Bit Depth = 2,736 '			Washout = 5%		Pump Efficiency = 95%					
Mud Weight (ppg)				9.0			Drill String Disp.	Volume to Bit	44.4 bbl	Strokes To Bit			Time To Bit				
Funnel Vis (sec/qt) @ 69 °F				29				Bottoms Up Vol.	440.1 bbl	BottomsUp Stks			BottomsUp Time				
600 rpm				3				Riser Ann. Vol.	-2.6 bbl	Riser Strokes			Riser Circ. Time				
300 rpm				2			DRILLING ASSEMBLY DATA					SOLIDS CONTROL					
200 rpm				1			Tubulars	OD (in.)	ID (in.)	Length	Top	Unit	Screens	Hours			
100 rpm				1			Drill Pipe	5.000	4.276	2,279'	0'	Shaker 1	140	7.0			
6 rpm				1			Hevi Wt	5.500	3.000	334'	2,279'	Shaker 2	140	7.0			
3 rpm				1			Dir. BHA	8.000	2.875	123'	2,613'	Shaker 3	140	7.0			
Plastic Viscosity (cp) @ 120 °F				1								2,736'	Desander				
Yield Point (lb/100 ft²) T0 = 1				1			CASING & HOLE DATA					Desilter					
Gel Strength (lb/100 ft²) 10 sec/10 min				1/1			Casing	OD (in.)	ID (in.)	Depth	Top	Centrifuge 1	7.0				
Gel Strength (lb/100 ft²) 30 min				1			Riser	20		108'		VOLUME ACCOUNTING (bbls)					
API Filtrate / Cake Thickness							Surface			108'		Prev. Total on Location 0.0					
HTHP Filtrate / Cake Thickness @ 0 °F							Int. Csg.			108'		Transferred In(+)/Out(-)					
Retort Solids Content				4.9%			Washout 1					Oil Added (+) 0.0					
Retort Oil Content							Washout 2					Barite Added (+) 0.0					
Retort Water Content				95.1%			Open Hole Size		14.175	2,823'		Other Product Usage (+) 3.3					
Sand Content				0.3%			ANNULAR GEOMETRY & RHEOLOGY					Water Added (+) 1500.0					
M.B.T. (Methylene Blue Capacity) (ppb)							annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal	Left on Cuttings (-) -275.5					
pH				7.0								Sand Trap Discharge -209.2					
Alkalinity, Mud Pm							0x5	108'	0.0		9.00						
Alkalinities, Filtrate Pf/Mf							14.175x5	2,279'	0.0	lam	9.00	Est. Total on Location 1018.6					
Chlorides (mg/L)				700			14.175x5.5	2,613'	0.0	lam	9.00	Est. Losses/Gains (-)/(+) 0.0					
Calcium (ppm)				240			14.175x8	2,736'	0.0	lam	9.00	BIT HYDRAULICS DATA					
Excess Lime (lb/bbl)												Bit H.S.I.	Bit ΔP	Nozzles (32nds)			
Average Specific Gravity of Solids				2.60	2.60	2.60						0.00	psi	14	14	14	
Percent Low Gravity Solids				4.8%								Bit Impact Force	Nozzle Velocity (ft/sec)	14	14	14	
Percent Drill Solids				4.8%										14	14	14	
PPA Spurt / Total (ml) @ @ 0 °F							BIT DATA		Manuf./Type		Ulterra / PDC		0 lbs	0			
Estimated Total LCM in System ppb							Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure				
Sample Taken By				N. Dilly			13 1/2	0 ft	6.0	2,823 ft	470.5	psi					
Remarks/Recommendations: Transfer 1429bbls OBM from the Klondike Trail HO4 KL Allocated Volume: 1429bbls OBM Left 261bls 9.0ppg OBM in casing on Klondike Trail HO4 KL							Rig Activity: Skid rig from the Klondike Trail HO4 KL. RIH with racked back directional BHA. Drill with freshwater from 108' to 2,823'TD. Pretreated system with 1 drum of soap and 12 sacks of sapp. Continued treatments of soap and sapp while drilling. Pumped 30bbls soap/sapp sweeps every 300' and 100bbls every 1000' drilled. Pumped 2x30bbls tandem hi-vis PHPA sweeps at TD and circulate clean. Prepare to POOH at report time.										
Eng. 1: Patrick Blair		Eng. 2: Nick Dilly		WH 1: MIDLAND		WH 2: WH #2		Rig Phone:		Daily Total		Cumulative Cost					
Phone: 936-465-0952		Phone: 337-207-8848		Phone: 432-686-7361		Phone: -				\$4,168.64		\$4,168.64					
W	P	Y	g	G	p	A	S	C	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.				\$4,168.64		\$4,168.64		
1	1	1	1	1	0	1	1	0	INCLUDING 3RD PARTY CHARGES				\$4,168.64		\$4,168.64		

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID
VOLUME
ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	KLONDIKE RUSH H06 KL

Grand Totals	Date	WEEK 1							WEEK 2							WEEK 3						
			1/1/00	1/2/00	1/3/00	1/4/00	1/5/00	1/6/00	1/7/00	1/8/00	1/9/00	1/10/00	1/11/00	1/12/00	1/13/00	1/14/00	1/15/00	1/16/00	1/17/00	1/18/00	1/19/00	1/20/00
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Bit Size																					
	Starting Depth																					
	Ending Depth																					
-	Footage Drilled	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	New Hole Vol.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Chemical Additions																					
-	Base Fluid Added																					
-	Barite Increase																					
-	Weighted Mud Added																					
-	Slurry Added																					
-	Water Added																					
-	Added for Washout																					
-	Total Additions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
-	Mud Loss to Cuttings																					
-	Unrecoverable Volume																					
-	Centrifuge Losses																					
-	Total Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
-	Ending System Volume	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Recovered																					
		Comments:							Comments:							Comments:						
		1/0/00							1/7/00							1/14/00						
		1/1/00							1/8/00							1/15/00						
		1/2/00							1/9/00							1/16/00						
		1/3/00							1/10/00							1/17/00						
		1/4/00							1/11/00							1/18/00						
		1/5/00							1/12/00							1/19/00						
		1/6/00							1/13/00							1/20/00						

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02/02/22

110 Old Market St.
St Martinville, LA 70582

Report #2
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.0° 0' TVD

Operator MAGNOLIA OIL & GAS				Contractor PATTERSON			County / Parish / Block WASHINGTON		Engineer Start Date 02/01/22		24 hr fig. 0 ft		Drilled Depth 2,823 ft										
Well Name and No. KLONDIKE RUSH H06 KL				Rig Name and No. 248			State TEXAS		Spud Date 02/01/22		Current ROP 0 ft/hr		Activity Skid Rig										
Report for Kevin Burt/Chris Mayeux				Report for Tool Pusher			Field / OCS-G # GIDDINGS		Fluid Type WBM		Circulating Rate 0 gpm		Circulating Pressure										
MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER										
Weight 8.4-9.6		PV 0-10	YP 0-10	GELS <5 <10	pH 7-9	API fl <25	% Solids 2-10	In Pits In Hole 262 bbl Active 0 bbl Storage Tot. on Location 262 bbl		Liner Size 5.25 Stroke 12 bbl/stk 0.0763 stk/min 0 gal/min 0		Liner Size 5.25 Stroke 12 bbl/stk 0.0763 stk/min 0 gal/min 0		Liner Size Stroke bbl/stk 0.0000 stk/min gal/min 0									
					2/1/22				2/1/22														
Time Sample Taken					0:30			12:00															
Sample Location					pit			pit															
Flowline Temperature °F					75 °F						PHHP = 0 CIRCULATION DATA n = 0.585 K = 26.563												
Depth (ft)					2,800'				2,800'				Washout = 5%		Pump Efficiency = 95%								
Mud Weight (ppg)					9.0				9.0		Drill String Disp.		Volume to Bit 0.0 bbl Bottoms Up Vol. 0.0 bbl Riser Ann. Vol. 0.0 bbl		Strokes To Bit BottomsUp Stks Riser Strokes		Time To Bit BottomsUp Time Riser Circ. Time						
Funnel Vis (sec/qt) @ 69 °F					29				29		0.0 bbl		Riser Ann. Vol. 0.0 bbl		Riser Strokes		Riser Circ. Time						
600 rpm					3				3		0.0 bbl		Riser Ann. Vol. 0.0 bbl		Riser Strokes		Riser Circ. Time						
300 rpm					2				2		DRILLING ASSEMBLY DATA					SOLIDS CONTROL							
200 rpm					1				1		Tubulars OD (in.) ID (in.) Length Top					Unit Screens Hours							
100 rpm					1				1		Drill Pipe 0' 0'					Shaker 1 140							
6 rpm					1				1		Hevi Wt 0'					Shaker 2 140							
3 rpm					1				1		Dir. BHA 0'					Shaker 3 140							
Plastic Viscosity (cp) @ 120 °F					1				1		0'					Desander							
Yield Point (lb/100 ft²) T0 = 1					1				1		CASING & HOLE DATA					Desilter							
Gel Strength (lb/100 ft²) 10 sec/10 min					1/1				1/1		Casing OD (in.) ID (in.) Depth Top					Centrifuge 1							
Gel Strength (lb/100 ft²) 30 min					1				1		Riser 20 108'					VOLUME ACCOUNTING (bbls)							
API Filtrate / Cake Thickness											Surface 10 3/4 9.950 2,810' 108'					Prev. Total on Location 1018.5							
HTHP Filtrate / Cake Thickness @ 0 °F											Int. Csg. 108'					Transferred In(+)/Out(-)							
Retort Solids Content					4.9%				4.9%		Washout 1					Oil Added (+) 0.0							
Retort Oil Content											Washout 2					Barite Added (+) 0.0							
Retort Water Content					95.1%				95.1%		Open Hole Size 14.175 2,823'					Other Product Usage (+) 0.0							
Sand Content					0.3%				0.4%		ANNULAR GEOMETRY & RHEOLOGY					Water Added (+)							
M.B.T. (Methylene Blue Capacity) (ppb)											annular section meas. depth velocity ft/min flow reg ECD lb/gal					Left on Cuttings (-) 0.0							
pH					7.0				7.0							Sand Trap Discharge -756.1							
Alkalinity, Mud Pm																Est. Total on Location 262.4							
Alkalinities, Filtrate Pf/Mf																Est. Losses/Gains (-)/(+) 0.0							
Chlorides (mg/L)					700				700							BIT HYDRAULICS DATA							
Calcium (ppm)					240				240							Bit H.S.I. Bit ΔP Nozzles (32nds)							
Excess Lime (lb/bbl)																							
Average Specific Gravity of Solids					2.60		2.60		2.60														
Percent Low Gravity Solids					4.8%				4.8%														
Percent Drill Solids					4.8%				4.8%														
PPA Spurt / Total (ml) @ @ 0 °F											BIT DATA Manuf./Type												
Estimated Total LCM in System ppb											Size Depth In Hours Footage ROP ft/hr					Motor/MWD Calc. Circ. Pressure							
Sample Taken By					N. Dilly				P. Blair		13 1/2												
Remarks/Recommendations: Transfer 1167 bbls OBM to the Klondike Mill HO8 KL Allocated Volume: 1429bbls OBM Left 262bbls 9.0ppg OBM in casing on Klondike Rush HO6 KL							Rig Activity: POOH T/BHA, L/D single, rack back HWDP and remove MWD tool. R/U casing crew and M/U shoe track. Run 10.75" surface casing T/2,810', circulate 1.5 times casing capacity. Skid rig while R/U cement crew for offline cement job. Full returns T/surface, 200 bbls cement sent to disposal.																
Eng. 1: Patrick Blair Phone: 936-465-0952		Eng. 2: Nick Dilly Phone: 337-207-8848		WH 1: MIDLAND Phone: 432-686-7361		WH 2: WH #2 Phone: -		Rig Phone:		Daily Total		Cumulative Cost											
W 1		P 1		Y 1		g 1		G 1		p 1		A 1		S 1		C 0		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.		\$0.00		\$4,168.64	
INCLUDING 3RD PARTY CHARGES																		\$0.00		\$4,168.64			

02/07/22

110 Old Market St.
St Martinville, LA 70582

Report #3
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

1.6° 6,267' TVD

Operator MAGNOLIA OIL & GAS										Contractor PATTERSON				County / Parish / Block WASHINGTON				Engineer Start Date 02/01/22			24 hr fig. 3,457 ft		Drilled Depth 6,280 ft							
Well Name and No. KLONDIKE RUSH H06 KL										Rig Name and No. 248				State TEXAS				Spud Date 02/01/22			Current ROP 720 ft/hr		Activity Drilling							
Report for Kevin Burt/Chris Mayeux										Report for Tool Pusher				Field / OCS-G # GIDDINGS				Fluid Type OBM			Circulating Rate 901 gpm		Circulating Pressure 5,300 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		5.25		Liner Size		5.25		Liner Size				
15-17		20-40		8-20		>500		±275K		<10 <15		<6		In Hole		571 bbl		Stroke		12		Stroke		12		Stroke				
								2/7/22				2/6/22		Active		1271 bbl		bbl/stk		0.0763		bbl/stk		0.0763		bbl/stk 0.0000				
Time Sample Taken								14:00				12:00		Storage		1213 bbl		stk/min		140		stk/min		141		stk/min				
Sample Location								pit				pit		Tot. on Location		2484 bbl		gal/min		449		gal/min		452		gal/min 0				
Flowline Temperature °F								116 °F				102 °F		PHHP = 2785 CIRCULATION DATA n = 0.585 K = 318.755																
Depth (ft)								5,644'				3,194'		Bit Depth = 6,280 '				Washout = 5%				Pump Efficiency = 95%								
Mud Weight (ppg)								9.0				8.9		Drill String Disp.		Volume to Bit		108.7 bbl		Strokes To Bit		1,425		Time To Bit		5 min				
Funnel Vis (sec/qt)								@ 110 °F		57		62				Bottoms Up Vol.		462.2 bbl		BottomsUp Stks		6,058		BottomsUp Time		22 min				
600 rpm								36		33		51.3 bbl				Riser Ann. Vol.		-2.6 bbl		Riser Strokes		-34		Riser Circ. Time		0 min				
300 rpm								24				21		DRILLING ASSEMBLY DATA								SOLIDS CONTROL								
200 rpm								19				17		Tubulars		OD (in.)		ID (in.)		Length		Top		Unit		Screens		Hours		
100 rpm								12				11		Drill Pipe		5.000		4.276		5,976'		0'		Shaker 1		140		16.0		
6 rpm								7				6		Hevi Wt		6.500		3.000		189'		5,976'		Shaker 2		140		16.0		
3 rpm								6				5		Dir. BHA		8.000		2.875		115'		6,165'		Shaker 3		140		16.0		
Plastic Viscosity (cp)								@ 150 °F		12		12												Desander						
Yield Point (lb/100 ft²)								T0 = 5		12		9		CASING & HOLE DATA								Desilter								
Gel Strength (lb/100 ft²)								10 sec/10 min		6/7		6/8		Casing		OD (in.)		ID (in.)		Depth		Top		Centrifuge 1		3.0				
Gel Strength (lb/100 ft²)								30 min		8		10		Riser		20				108'				VOLUME ACCOUNTING (bbls)						
HTHP Filtrate (cm/30 min)								@ 300 °F		8.0		9.4		Surface		10 3/4		9.950		2,810'		108'		Prev. Total on Location		262.4				
HTHP Cake Thickness (32nds)										2.0		2.0		Int. Csg.								108'		Transferred In(+)/Out(-)		2439.0				
Retort Solids Content										8.6%		9.5%		Washout 1										Oil Added (+)		101.2				
Corrected Solids (vol%)										6.2%		6.7%		Washout 2										Barite Added (+)		0.0				
Retort Oil Content										63.5%		70.5%		Open Hole Size		10.369		6,280'						Other Product Usage (+)		19.2				
Retort Water Content										27.9%		20%		ANNULAR GEOMETRY & RHEOLOGY								Water Added (+)		50.0						
O/W Ratio										69:31		78:22		annular section		meas. depth		velocity ft/min		flow reg		ECD lb/gal		Left on Cuttings (-)		-361.0				
Whole Mud Chlorides (mg/L)										60,000		67,000												Non-Recoverable Vol. (-)						
Water Phase Salinity (ppm)										252,181		344,395		0x5		108'		-882.9		9.58				Centrifuge		-26.8				
Whole Mud Alkalinity, Pom										2.7		2.6		9.95x5		2,810'		298.3		turb		9.84		Est. Total on Location		2483.9				
Excess Lime (lb/bbl)										3.5 ppb		3.4 ppb		10.369x5		5,976'		267.5		lam		10.10		Est. Losses/Gains (-)/(+)		0.0				
Electrical Stability (volts)										424 v		363 v		10.369x6.5		6,165'		338.2		turb		10.66		BIT HYDRAULICS DATA						
Average Specific Gravity of Solids										2.79		2.56		10.369x8		6,280'		507.2		turb		11.24		Bit H.S.I.		Bit ΔP		Nozzles (32nds)		
Percent Low Gravity Solids										4.7%		5.8%												2.13		311 psi		14 14 14		
ppb Low Gravity Solids										38 ppb		48 ppb												Bit Impact Force		Nozzle Velocity (ft/sec)		14 14 16		
Percent Barite										1.5%		0.8%														16 16 13				
ppb Barite										22 ppb		12 ppb		BIT DATA			Manuf./Type Ultrerra / PDC			825 lbs		197								
Estimated Total LCM in System								ppb						Size		Depth In		Hours		Footage		ROP ft/hr		Motor/MWD		Calc. Circ. Pressure				
Sample Taken By								N. Dilly		0		C. Beasley		9 7/8		2,823 ft		13.0		3,457 ft		265.9		3,523 psi		5,300 psi				
Remarks/Recommendations:										Rig Activity:																				
Transfer 2004bbls OBM from the Klondike Mill HO8 KL.																														
Allocated Volume: 2484bbls OBM (includes 262bbls left in surface casing & 435bbls delivered 2/6/22)										Skid rig from the Klondike Mill HO8 KL. Nipple up and test BOPs. Pick up directional tools and TIH to 2,727' (tag cement). Drill out cement, float equipment, and 10' of new formation to 2,833'. Circulate b/u and perform FIT to 11.6ppg (394psi). Drilling ahead w/9.0ppg OBM at 6,280'. Starting to weigh up to 9.3ppg at report time. Rotating Torque 11-19k, Rotating ROP 720/hr, Casing 0 psi.																				
Received 435bbls 8.8ppg OBM from mud plant.																														
Ordered 500bbls 17.5ppg kill mud for delivery 2/8/22.																														
Eng. 1:		Chris Beasley			Eng. 2:		Nick Dilly			WH 1:		MIDLAND		WH 2:		WH #2		Rig Phone:			Daily Total			Cumulative Cost						
Phone:		903-747-5377			Phone:		337-207-8848			Phone:		432-686-7361		Phone:		-					\$25,398.24			\$29,566.88						
W	P	Y	E	C	g	G	H	O	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.														\$25,398.24			\$29,566.88				
0	0	1	0	0	1	1	2	1																						
										INCLUDING 3RD PARTY CHARGES										\$37,667.84			\$41,836.48							

THIRD PARTY COST SHEET

[illegible]

FLUID VOLUME ACCOUNTING

		WEEK 1							WEEK 2							WEEK 3						
		Date	2/7/22	2/8/22	2/9/22	2/10/22	2/11/22	2/12/22	2/13/22	2/14/22	2/15/22	2/16/22	2/17/22	2/18/22	2/19/22	2/20/22	2/21/22	2/22/22	2/23/22	2/24/22	2/25/22	2/26/22
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Grand Totals	Bit Size	9 7/8																				
	Starting Depth	2,823	6,280																			
	Ending Depth	6,280																				
	3,457 Footage Drilled	3,457	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331	New Hole Vol.	331	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Starting System Volume	262	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484
19	Chemical Additions	19																				
101	Base Fluid Added	101																				
-	Barite Increase																					
2,439	Weighted Mud Added	2,439																				
-	Slurry Added																					
50	Water Added	50																				
-	Added for Washout																					
2,609	Total Additions	2,609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Surface Losses																					
-	Formation Loss																					
361	Mud Loss to Cuttings	361																				
-	Unrecoverable Volume																					
26	Centrifuge Losses	26																				
387	Total Losses	387	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mud Transferred Out																					
2,484	Ending System Volume	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484
-	Mud Recovered																					
2,701		Comments:							Comments:							Comments:						
		2/7/22 Lost 361bbls to mud on cuttings and 26bbls to centrifuge processing active system.							2/14/22							2/21/22						
		2/8/22							2/15/22							2/22/22						
		2/9/22							2/16/22							2/23/22						
		2/10/22							2/17/22							2/24/22						
		2/11/22							2/18/22							2/25/22						
		2/12/22							2/19/22							2/26/22						
		2/13/22							2/20/22							2/27/22						

02/08/22

110 Old Market St.
St Martinville, LA 70582

Report #4
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

1.6°10,007' TVD

Operator MAGNOLIA OIL & GAS										Contractor PATTERSON				County / Parish / Block WASHINGTON				Engineer Start Date 02/01/22			24 hr fig. 3,741 ft		Drilled Depth 10,021 ft								
Well Name and No. KLONDIKE RUSH H06 KL										Rig Name and No. 248				State TEXAS				Spud Date 02/01/22			Current ROP 60 ft/hr		Activity Drilling								
Report for Kevin Burt/Chris Mayeux										Report for Tool Pusher				Field / OCS-G # GIDDINGS				Fluid Type OBM			Circulating Rate 859 gpm		Circulating Pressure 5,024 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		5.25		Liner Size		5.25		Liner Size					
9-10		10-20		7-12		>350		±250K		<10 <15		<10		In Hole		937 bbl		Stroke		12		Stroke		12		Stroke					
								2/8/22				2/7/22		Active		1637 bbl		bbl/stk		0.0763		bbl/stk		0.0763		bbl/stk 0.0000					
Time Sample Taken								0:30				12:00		Storage		918 bbl		stk/min		134		stk/min		134		stk/min					
Sample Location								pit				pit		Tot. on Location		2555 bbl		gal/min		429		gal/min		429		gal/min 0					
Flowline Temperature °F								159 °F				137 °F		PHHP = 2518 CIRCULATION DATA n = 0.606 K = 268.380																	
Depth (ft)								10,021'				9,556'		Bit Depth = 10,021 '				Washout = 5%				Pump Efficiency = 95%									
Mud Weight (ppg)								9.7				9.5		Drill String Disp.		Volume to Bit		175.2 bbl		Strokes To Bit		2,296		Time To Bit 9 min							
Funnel Vis (sec/qt) @ 150 °F								44		59		Bottoms Up Vol.				762.1 bbl		BottomsUp Stks		9,987		BottomsUp Time 37 min									
600 rpm								35		38		75.7 bbl				Riser Ann. Vol.		-2.6 bbl		Riser Strokes		-34		Riser Circ. Time 0 min							
300 rpm								23				25		DRILLING ASSEMBLY DATA								SOLIDS CONTROL									
200 rpm								18				20		Tubulars		OD (in.)		ID (in.)		Length		Top		Unit		Screens		Hours			
100 rpm								14				13		Drill Pipe		5.000		4.276		9,717'		0'		Shaker 1		140		24.0			
6 rpm								8				13		Hevi Wt		6.500		3.000		189'		9,717'		Shaker 2		140		24.0			
3 rpm								7				12		Dir. BHA		8.000		2.875		115'		9,906'		Shaker 3		140		24.0			
Plastic Viscosity (cp) @ 150 °F								12				13												Desander							
Yield Point (lb/100 ft²) T0 = 6								11				12		CASING & HOLE DATA								Desilter									
Gel Strength (lb/100 ft²) 10 sec/10 min								7/9				6/8		Casing		OD (in.)		ID (in.)		Depth		Top		Centrifuge 1		2.0					
Gel Strength (lb/100 ft²) 30 min								10				10		Riser		20				108'				VOLUME ACCOUNTING (bbls)							
HTHP Filtrate (cm/30 min) @ 300 °F								6.8				7.6		Surface		10 3/4		9.950		2,810'		108'		Prev. Total on Location 2484.0							
HTHP Cake Thickness (32nds)								2.0				2.0		Int. Csg.								108'		Transferred In(+)/Out(-)							
Retort Solids Content								11.7%				11.5%		Washout 1										Oil Added (+) 219.4							
Corrected Solids (vol%)								9.3%				8.7%		Washout 2										Barite Added (+) 28.1							
Retort Oil Content								61.9%				60.5%		Open Hole Size		10.369		10,021'						Other Product Usage (+) 17.5							
Retort Water Content								26.4%				28%		ANNULAR GEOMETRY & RHEOLOGY								Water Added (+) 60.0									
O/W Ratio								70:30				68:32		annular section		meas. depth		velocity ft/min		flow reg		ECD lb/gal		Left on Cuttings (-) -242.2							
Whole Mud Chlorides (mg/L)								60,000				71,000		0x5 108' -842.1 9.79 9.95x5 2,810' 284.5 turb 10.02 10.369x5 9,717' 255.1 lam 10.01 10.369x6.5 9,906' 322.6 turb 10.06 10.369x8 10,021' 483.8 turb 10.13								812 lbs 187		Non-Recoverable Vol. (-)							
Water Phase Salinity (ppm)								262,745		284,499		Centrifuge -11.5																			
Whole Mud Alkalinity, Pom								3.4		3.0		Est. Total on Location 2555.3																			
Excess Lime (lb/bbl)								4.4 ppb		3.9 ppb		Est. Losses/Gains (-)/(+) 0.0																			
Electrical Stability (volts)								429 v		462 v																					
Average Specific Gravity of Solids								3.13		2.78		BIT HYDRAULICS DATA																			
Percent Low Gravity Solids								5.2%		6.5%		Bit H.S.I.								Bit ΔP		Nozzles (32nds)									
ppb Low Gravity Solids								43 ppb		54 ppb		2.00								306 psi		14		14		14					
Percent Barite								4.1%		2.1%		Bit Impact Force								Nozzle Velocity (ft/sec)		14		14		16					
ppb Barite								59 ppb		31 ppb		812 lbs								187											
Estimated Total LCM in System ppb														Size		Depth In		Hours		Footage		ROP ft/hr		Motor/MWD		Calc. Circ. Pressure					
Sample Taken By								N. Dilly		0		C. Beasley		9 7/8		2,823 ft		13.0		3,457 ft		265.9		3,523 psi		5,915 psi					
Remarks/Recommendations: Transfer 1799bbls OBM from the Klondike Mill HO8 KL. Allocated Volume: 2279bbls OBM (includes 262bbls left in surface casing & 435bbls delivered 2/6/22) Supplementing mud with maintenance amounts of Lime, OptiMul, OptiWet, CaCL, and OptiG.										Rig Activity: Drill/Slide ahead w/9.7ppg OBM to 10,021' (100% sliding from 9,801'). Gradually stepped up MW to 9.5ppg by 8,000' and 9.7ppg by 9,800'. Pumping 10bbls hi-vis sweeps every 300' drilled. KOP for curve at 9,801'MD. Repairing a blown standpipe gasket at report time. Sliding ROP 20-60'/hr, Casing 0 psi.																					
Eng. 1:		Chris Beasley				Eng. 2:		Nick Dilly				WH 1:		MIDLAND				WH 2:		WH #2		Rig Phone:				Daily Total		Cumulative Cost			
Phone:		903-747-5377				Phone:		337-207-8848				Phone:		432-686-7361				Phone:		-						\$15,457.52		\$45,024.40			
W	P	Y	E	C	g	G	H	O	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.																						
1	1	1	1	2	1	1	1	1																							
										INCLUDING 3RD PARTY CHARGES										\$42,920.14				\$84,756.62							

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	KLONDIKE RUSH H06 KL

		WEEK 1								WEEK 2								WEEK 3							
		Date	2/7/22	2/8/22	2/9/22	2/10/22	2/11/22	2/12/22	2/13/22	2/14/22	2/15/22	2/16/22	2/17/22	2/18/22	2/19/22	2/20/22	2/21/22	2/22/22	2/23/22	2/24/22	2/25/22	2/26/22	2/27/22		
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun			
Grand Totals	Bit Size	9 7/8	9 7/8																						
	Starting Depth	2,823	6,280	10,021																					
	Ending Depth	6,280	10,021																						
7,198	Footage Drilled	3,457	3,741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
685	New Hole Vol.	331	354	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Starting System Volume	262	2,484	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555				
36	Chemical Additions	19	17																						
320	Base Fluid Added	101	219																						
28	Barite Increase		28																						
2,439	Weighted Mud Added	2,439																							
-	Slurry Added																								
110	Water Added	50	60																						
-	Added for Washout																								
2,933	Total Additions	2,609	324	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
-	Surface Losses																								
-	Formation Loss																								
603	Mud Loss to Cuttings	361	242																						
-	Unrecoverable Volume																								
37	Centrifuge Losses	26	11																						
640	Total Losses	387	253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
-	Mud Transferred Out																								
2,555	Ending System Volume	2,484	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555	2,555				
-	Mud Recovered																								
2,701		Comments:								Comments:								Comments:							
		2/7/22		Lost 361bbls to mud on cuttings and 26bbls to centrifuge processing active system.						2/14/22								2/21/22							
		2/8/22		Lost 242bbls to mud on cuttings while drilling and 11bbls to centrifuge processing mud overflow at shakers from v-bottom.						2/15/22								2/22/22							
		2/9/22								2/16/22								2/23/22							
		2/10/22								2/17/22								2/24/22							
		2/11/22								2/18/22								2/25/22							
		2/12/22								2/19/22								2/26/22							
		2/13/22								2/20/22								2/27/22							

02/09/22

110 Old Market St.
St Martinville, LA 70582

Report #5
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

11.2° 10,100' TVD

Operator MAGNOLIA OIL & GAS										Contractor PATTERSON				County / Parish / Block WASHINGTON				Engineer Start Date 02/01/22			24 hr fig. 139 ft		Drilled Depth 10,160 ft										
Well Name and No. KLONDIKE RUSH H06 KL										Rig Name and No. 248				State TEXAS				Spud Date 02/01/22			Current ROP 0 ft/hr		Activity Run Casing										
Report for Kevin Burt/Chris Mayeux										Report for Tool Pusher				Field / OCS-G # GIDDINGS				Fluid Type OBM			Circulating Rate 0 gpm		Circulating Pressure psi										
MUD PROPERTY SPECIFICATIONS										MUD VOLUME (BBL)				PUMP #1			PUMP #2			RISER BOOSTER													
Weight		PV		YP		E.S.		CaCl2		GELS		HTHP		In Pits		480 bbl		Liner Size		5.25		Liner Size		5.25		Liner Size							
9-10		10-20		7-12		>350		±250K		<10 <15		<10		In Hole		921 bbl		Stroke		12		Stroke		12		Stroke							
								2/9/22				2/8/22		Active		1396 bbl		bbl/stk		0.0763		bbl/stk		0.0763		bbl/stk 0.0000							
Time Sample Taken								0:30				12:00		Storage		925 bbl		stk/min		0		stk/min		0		stk/min							
Sample Location								pit				pit		Tot. on Location		2326 bbl		gal/min		0		gal/min		0		gal/min 0							
Flowline Temperature °F																PHHP = 0 CIRCULATION DATA n = 0.657 K = 220.195																	
Depth (ft)										10,160'				10,160'		Bit Depth = 10,116 '				Washout = 5%			Pump Efficiency = 95%										
Mud Weight (ppg)										9.7				9.7		Drill String Disp.		Volume to Bit		464.5 bbl		Strokes To Bit				Time To Bit							
Funnel Vis (sec/qt)										@ 94 °F		54		45				Bottoms Up Vol.		451.6 bbl		BottomsUp Stks				BottomsUp Time							
600 rpm										41		35		106.9 bbl				Riser Ann. Vol.		-6.1 bbl		Riser Strokes				Riser Circ. Time							
300 rpm										26				23		DRILLING ASSEMBLY DATA										SOLIDS CONTROL							
200 rpm										21				18		Tubulars		OD (in.)		ID (in.)		Length		Top		Unit		Screens		Hours			
100 rpm										15				13		Casing		7.625		6.875		10,116'		0'		Shaker 1		140		8.0			
6 rpm										7				7												10,116'		Shaker 2		140		8.0	
3 rpm										6				6												10,116'		Shaker 3		140		8.0	
Plastic Viscosity (cp)										@ 150 °F		15				12												10,116'		Desander			
Yield Point (lb/100 ft²)										T0 = 5		11				11		CASING & HOLE DATA										Desilter					
Gel Strength (lb/100 ft²)										10 sec/10 min		7/10				6/8		Casing		OD (in.)		ID (in.)		Depth		Top		Centrifuge 1		8.0			
Gel Strength (lb/100 ft²)										30 min		11				10		Riser		20				108'		VOLUME ACCOUNTING (bbls)							
HTHP Filtrate (cm/30 min)										@ 300 °F		7.8				6.4		Surface		10 3/4		9.950		2,810'		108'		Prev. Total on Location		2555.3			
HTHP Cake Thickness (32nds)												2.0				2.0		Int. Csg.						108'		Transferred In(+)/Out(-)		-205.0					
Retort Solids Content												12%				11.7%		Washout 1								Oil Added (+)		68.4					
Corrected Solids (vol%)												9.4%				9%		Washout 2								Barite Added (+)		20.2					
Retort Oil Content												62.6%				61.3%		Open Hole Size		10.369		10,160'		Other Product Usage (+) 0.0									
Retort Water Content												25.4%				27%		ANNULAR GEOMETRY & RHEOLOGY										Water Added (+)					
O/W Ratio												71:29				69:31		annular section		meas. depth		velocity ft/min		flow reg		ECD lb/gal		Left on Cuttings (-)		-21.8			
Whole Mud Chlorides (mg/L)												64,000				68,000		0x7.625 108' 0.0 9.70 9.95x7.625 2,810' 0.0 lam 9.70 10.369x7.625 10,116' 0.0 lam 9.70										Non-Recoverable Vol. (-)		-27.5			
Water Phase Salinity (ppm)										283,209		283,115		Centrifuge		-64.0																	
Whole Mud Alkalinity, Pom										3.0		3.1		Est. Total on Location		2325.6																	
Excess Lime (lb/bbl)										3.9 ppb		4 ppb		Est. Losses/Gains (-)/(+)		0.0																	
Electrical Stability (volts)										470 v		420 v		BIT HYDRAULICS DATA																			
Average Specific Gravity of Solids										3.02				3.04		Bit H.S.I.												Bit ΔP		Nozzles (32nds)			
Percent Low Gravity Solids										5.8%				5.4%		Bit Impact Force		Nozzle Velocity (ft/sec)															
ppb Low Gravity Solids										48 ppb		45 ppb																					
Percent Barite										3.6%		3.5%																					
ppb Barite										51 ppb		51 ppb		BIT DATA		Manuf./Type		Ulterra / PDC															
Estimated Total LCM in System ppb																Size		Depth In		Hours		Footage		ROP ft/hr		Motor/MWD		Calc. Circ. Pressure					
Sample Taken By										N. Dilly		0		C. Beasley		9 7/8		2,823 ft		17.0		3,596 ft		211.5									
Remarks/Recommendations: Transfer 1799bbls OBM from the Klondike Mill HO8 KL. Allocated Volume: 2279bls OBM Supplementing mud with maintenance amounts of Lime, OptiMul, OptiWet, CaCL, and OptiG.														Rig Activity: Drill/Slide ahead w/9.7ppg OBM to 10,160' TD (100% sliding from 9,801'). Pumped 2x30bls tandem hi-vis sweeps and circulate hole clean. POOH and lay down BHA. Rig up 7 5/8" casing tools and run casing to 10,153'. Maintained MW in active pits at 9.7ppg with diesel additions and centrifuge while running casing. Currently circulating through casing while rigging up cement equipment.																			
Eng. 1:		Chris Beasley				Eng. 2:		Nick Dilly				WH 1:		MIDLAND				WH 2:		WH #2		Rig Phone:		Daily Total			Cumulative Cost						
Phone:		903-747-5377				Phone:		337-207-8848				Phone:		432-686-7361				Phone:		-					\$5,635.50			\$50,659.90					
W	P	Y	E	C	g	G	H	O	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.														\$5,635.50			\$50,659.90							
1	1	1	1	2	1	1	1	1															INCLUDING 3RD PARTY CHARGES			\$14,665.60			\$99,422.22				

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	KLONDIKE RUSH H06 KL

		WEEK 1								WEEK 2								WEEK 3							
		Date	2/7/22	2/8/22	2/9/22	2/10/22	2/11/22	2/12/22	2/13/22	2/14/22	2/15/22	2/16/22	2/17/22	2/18/22	2/19/22	2/20/22	2/21/22	2/22/22	2/23/22	2/24/22	2/25/22	2/26/22	2/27/22		
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun			
Grand Totals	Bit Size	9 7/8	9 7/8	9 7/8																					
	Starting Depth	2,823	6,280	10,021	10,160																				
	Ending Depth	6,280	10,021	10,160																					
7,337	Footage Drilled	3,457	3,741	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
698	New Hole Vol.	331	354	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Starting System Volume	262	2,484	2,555	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326			
36	Chemical Additions	19	17																						
388	Base Fluid Added	101	219	68																					
48	Barite Increase		28	20																					
2,439	Weighted Mud Added	2,439																							
-	Slurry Added																								
110	Water Added	50	60																						
-	Added for Washout																								
3,021	Total Additions	2,609	324	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	Surface Losses																								
-	Formation Loss																								
624	Mud Loss to Cuttings	361	242	21																					
27	Unrecoverable Volume			27																					
101	Centrifuge Losses	26	11	64																					
752	Total Losses	387	253	112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
205	Mud Transferred Out			205																					
2,326	Ending System Volume	2,484	2,555	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326	2,326			
-	Mud Recovered																								
2,496		Comments:								Comments:								Comments:							
		2/7/22		Lost 361bls to mud on cuttings and 26bls to centrifuge processing acive system.						2/14/22								2/21/22							
		2/8/22		Lost 242bls to mud on cuttings while drilling and 11bls to centrifuge processing mud overflow at shakers from v-bottom.						2/15/22								2/22/22							
		2/9/22		Lost 21bls to mud on cuttings while drilling and 27bls from surface while circulating hole clean. Lost 64bls to centrifuge while cutting and maintaining mud weight in active pits.						2/16/22								2/23/22							
		2/10/22								2/17/22								2/24/22							
		2/11/22								2/18/22								2/25/22							
		2/12/22								2/19/22								2/26/22							
		2/13/22								2/20/22								2/27/22							

03/11/22

110 Old Market St.
St Martinville, LA 70582

Report #7
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.2° 120' TVD

Operator				Contractor			County / Parish / Block			Engineer Start Date			24 hr fig.			Drilled Depth														
MAGNOLIA OIL & GAS				PATTERSON			WASHINGTON			02/01/22			0 ft			10,160 ft														
Well Name and No.				Rig Name and No.			State			Spud Date			Current ROP			Activity														
KLONDIKE RUSH H06 KL				248			TEXAS			02/01/22			0 ft/hr			Rig up														
Report for				Report for			Field / OCS-G #			Fluid Type			Circulating Rate			Circulating Pressure														
Brandon Parks /Jim Harrison				Tool Pusher			GIDDINGS			OBM			0 gpm																	
MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)			PUMP #1			PUMP #2			RISER BOOSTER														
Weight		PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits		698 bbl		Liner Size		5.25		Liner Size		5.25		Liner Size										
9-10		10-20	7-12	>350	±250K	<10 <15	<10	In Hole		460 bbl		Stroke		12		Stroke		12		Stroke										
					3/11/22				3/10/22		Active		696 bbl		bbl/stk		0.0763		bbl/stk		0.0763		bbl/stk		0.0000					
Time Sample Taken					0:30				12:30		Storage		1363 bbl		stk/min		0		stk/min		0		stk/min							
Sample Location					pit				pit		Tot. on Location		2521 bbl		gal/min		0		gal/min		0		gal/min		0					
Flowline Temperature °F											PHHP = 0CIRCULATION DATA n = 0.553 K = 243.864																			
Depth (ft)					10,160'				10,160'						Washout = 5%			Pump Efficiency = 95%												
Mud Weight (ppg)					8.7				8.7		Drill String Disp.	Volume to Bit		0.0 bbl		Strokes To Bit			Time To Bit											
Funnel Vis (sec/qt)					@ 94 °F		44		42			Bottoms Up Vol.		-2.4 bbl		BottomsUp Stks			BottomsUp Time											
600 rpm					22				20		2.0 bbl	Riser Ann. Vol.		-2.6 bbl		Riser Strokes			Riser Circ. Time											
300 rpm					15				13		DRILLING ASSEMBLY DATA										SOLIDS CONTROL									
200 rpm					10				10		Tubulars	OD (in.)	ID (in.)	Length		Top		Unit	Screens		Hours									
100 rpm					8				8		Drill Pipe	4.500	2.500	-120'		0'		Shaker 1	140											
6 rpm					4				4		Dir. BHA	5.000	2.750	120'		-120'		Shaker 2	140											
3 rpm					3				3							0'		Shaker 3	140											
Plastic Viscosity (cp)					@ 150 °F		7		7							0'		Desander												
Yield Point (lb/100 ft²)					T0 = 2		8		6		CASING & HOLE DATA										Desilter									
Gel Strength (lb/100 ft²)					10 sec/10 min		4/5		3/5		Casing	OD (in.)	ID (in.)	Depth		Top		Centrifuge 1												
Gel Strength (lb/100 ft²)					30 min		5		5		Riser	20		108'				VOLUME ACCOUNTING (bbls)												
HTHP Filtrate (cm/30 min)					@ 300 °F		14.0		14.0		Surface	10 3/4		2,810'		108'		Prev. Total on Location			461.0									
HTHP Cake Thickness (32nds)							1.0		1.0		Int. Csg.	7 5/8	6.875	10,148'		108'		Transferred In(+)/Out(-)			2060.0									
Retort Solids Content							8.4%		8.4%		Prod.							Oil Added (+)			51.0									
Corrected Solids (vol%)							6.2%		6.3%		Prod.							Barite Added (+)			0.0									
Retort Oil Content							66.1%		66.6%		Open Hole Size	7.088	10,160'					Other Product Usage (+)			0.0									
Retort Water Content							25.5%		25%		ANNULAR GEOMETRY & RHEOLOGY										Water Added (+)									
O/W Ratio							72:28		73:27		annular section		meas. depth	velocity ft/min		flow reg	ECD lb/gal	Left on Cuttings (-)			0.0									
Whole Mud Chlorides (mg/L)							56,000		55,000									Non-Recoverable Vol. (-)												
Water Phase Salinity (ppm)							256,154		256,494		0x5	108'	0.0			8.70		Centrifuge			-51.4									
Whole Mud Alkalinity, Pom							1.2		1.5		6.875x5	120'	0.0	lam	8.70			Est. Total on Location			2520.6									
Excess Lime (lb/bbl)							1.6 ppb		2 ppb									Est. Losses/Gains (-)/(+)			0.0									
Electrical Stability (volts)							425 v		450 v												BIT HYDRAULICS DATA									
Average Specific Gravity of Solids							2.62		2.63												Bit H.S.I.		Bit ΔP		Nozzles (32nds)					
Percent Low Gravity Solids							5.2%		5.2%												0.00		psi		18	18	18			
ppb Low Gravity Solids							43 ppb		43 ppb												Bit Impact Force		Nozzle Velocity (ft/sec)		18	18	18			
Percent Barite							0.9%		1%																					
ppb Barite							14 ppb		14 ppb		BIT DATA			Manuf./Type			Ulterra			0 lbs		0								
Estimated Total LCM in System					ppb						Size		Depth In		Hours		Footage		ROP ft/hr		Motor/MWD		Calc. Circ. Pressure							
Sample Taken By					M. Calais		0		C. Beasley		6 3/4		10,160 ft								900 psi									
Remarks/Recommendations:										Rig Activity:																				
Transfer 2060 BBLs F/Trail H04.																														
Allocated Volume: 2521bls OBM																														
										Begin nipple down and skid operations. Cutting MW in active pits back to 8.8ppg for drill out.Full test BOP. TIH with BHA at report time.																				
Eng. 1: Chris Beasley					Eng. 2: Nick Dilly					WH 1: MIDLAND					WH 2: WH #2					Rig Phone:					Daily Total			Cumulative Cost		
Phone: 903-747-5377					Phone: 337-207-8848					Phone: 432-686-7361					Phone: -										\$2,160.00			\$52,819.90		
W P Y E C g G H O					0 0 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.															\$2,160.00			\$52,819.90		
										INCLUDING 3RD PARTY CHARGES										\$11,070.72					\$110,492.94					

MATERIAL CONSUMPTION

[illegible]

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	KLONDIKE RUSH H06 KL

2,738

03/12/22

110 Old Market St.
St Martinville, LA 70582

Report #8

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.0°11,089' TVD

Operator										Contractor				County / Parish / Block				Engineer Start Date				24 hr fig.		Drilled Depth							
MAGNOLIA OIL & GAS										PATTERSON				WASHINGTON				02/01/22				1,006 ft		11,166 ft							
Well Name and No.										Rig Name and No.				State				Spud Date				Current ROP		Activity							
KLONDIKE RUSH H06 KL										248				TEXAS				02/01/22				140 ft/hr		Drilling							
Report for										Report for				Field / OCS-G #				Fluid Type				Circulating Rate		Circulating Pressure							
Brandon Parks /Jim Harrison										Tool Pusher				GIDDINGS				OBM				487 gpm		4,632 psi							
MUD PROPERTY SPECIFICATIONS										MUD VOLUME (BBL)				PUMP #1				PUMP #2		RISER BOOSTER											
Weight		PV		YP		E.S.		CaCl2		GELS		HTHP		In Pits		608 bbl		Liner Size		5.25		Liner Size		5.25		Liner Size					
9-10		10-20		7-12		>350		±250K		<10 <15		<10		In Hole		358 bbl		Stroke		12		Stroke		12		Stroke					
								3/12/22				3/11/22		Active		966 bbl		bbl/stk		0.0763		bbl/stk		0.0763		bbl/stk 0.0000					
Time Sample Taken								0:30				12:30		Storage		1988 bbl		stk/min		75		stk/min		77		stk/min					
Sample Location								pit				pit		Tot. on Location		2954 bbl		gal/min		240		gal/min		247		gal/min 0					
Flowline Temperature °F								89 °F				91 °F		PHHP = 1317				CIRCULATION DATA								n = 0.562 K = 322.096					
Depth (ft)								11,166'				10,185'		Bit Depth = 11,166 '				Washout = 5%				Pump Efficiency = 95%									
Mud Weight (ppg)								8.8				8.8		Drill String Disp.		Volume to Bit		67.9 bbl		Strokes To Bit				890		Time To Bit 6 min					
Funnel Vis (sec/qt)								@ 94 °F		45		44				Bottoms Up Vol.		290.5 bbl		BottomsUp Stks				3,806		BottomsUp Time 25 min					
600 rpm								31				24		152.3 bbl		Riser Ann. Vol.		-2.1 bbl		Riser Strokes				-28		Riser Circ. Time 0 min					
300 rpm								21				16		DRILLING ASSEMBLY DATA										SOLIDS CONTROL							
200 rpm								18				11		Tubulars		OD (in.)		ID (in.)		Length		Top		Unit		Screens		Hours			
100 rpm								12				9		Drill Pipe		4.500		2.500		11,046'		0'		Shaker 1		140					
6 rpm								8				5		Dir. BHA		5.000		2.750		120'		11,046'		Shaker 2		140					
3 rpm								7				4										11,166'		Shaker 3		140					
Plastic Viscosity (cp)								@ 150 °F		10		8										11,166'		Desander							
Yield Point (lb/100 ft²)								T0 = 6		11		8		CASING & HOLE DATA										Desilter							
Gel Strength (lb/100 ft²)								10 sec/10 min		7/8		4/5		Casing		OD (in.)		ID (in.)		Depth		Top		Centrifuge 1							
Gel Strength (lb/100 ft²)								30 min		10		5		Riser		20				108'				VOLUME ACCOUNTING (bbls)							
HTHP Filtrate (cm/30 min)								@ 300 °F		13.2		13.6		Surface		10 3/4				2,810'		108'		Prev. Total on Location		2520.5					
HTHP Cake Thickness (32nds)										1.0		1.0		Int. Csg.		7 5/8		6.875		10,148'		108'		Transferred In(+)/Out(-)		495.0					
Retort Solids Content										9%		9%		Prod.										Oil Added (+)		32.4					
Corrected Solids (vol%)										6.9%		6.9%		Prod.										Barite Added (+)		0.0					
Retort Oil Content										65.5%		66%		Open Hole Size		7.088		11,166'						Other Product Usage (+)		9.9					
Retort Water Content										25.5%		25%		ANNULAR GEOMETRY & RHEOLOGY										Water Added (+)		25.0					
O/W Ratio										72:28		73:27		annular section		meas. depth		velocity ft/min		flow reg		ECD lb/gal		Left on Cuttings (-)		-73.6					
Whole Mud Chlorides (mg/L)										53,000		55,000												Evaporation		-15.0					
Water Phase Salinity (ppm)										245,804		256,494		0x4.5		108'		-589.6		8.90				Centrifuge		-39.8					
Whole Mud Alkalinity, Pom										1.4		1.8		6.875x4.5		10,148'		442.0		turb		10.09		Est. Total on Location		2954.4					
Excess Lime (lb/bbl)										1.8 ppb		2.3 ppb		7.088x4.5		11,046'		398.1		turb		10.17		Est. Losses/Gains (-)/(+)		0.0					
Electrical Stability (volts)										425 v		390 v		7.088x5		11,166'		473.1		turb		10.27		BIT HYDRAULICS DATA							
Average Specific Gravity of Solids										2.65		2.65												Bit H.S.I.		Bit ΔP		Nozzles (32nds)			
Percent Low Gravity Solids										5.7%		5.7%												0.69		87 psi		18 18 18			
ppb Low Gravity Solids										47 ppb		47 ppb												Bit Impact Force		Nozzle Velocity (ft/sec)		18 18 18			
Percent Barite										1.2%		1.2%																			
ppb Barite										17 ppb		17 ppb		BIT DATA				Manuf./Type Ultrerra				233 lbs		105							
Estimated Total LCM in System ppb														Size		Depth In		Hours		Footage		ROP ft/hr		Motor/MWD		Calc. Circ. Pressure					
Sample Taken By								M. Calais		0		C. Beasley		6 3/4		10,160 ft		18.0		1,006 ft		55.9		900 psi		9,438 psi					
Remarks/Recommendations:												Rig Activity:																			
Received 495 BBLs 8.8 PPG from Mudplant																															
Allocated Volume: 2521bls OBM												P/U BHA and TIH T/10,000'. Flow check, no flow. Fill pipe and pump through gas buster. Drill cement and shoe track T/10160'. Drill 10' of formation T/10170'. Condition mud and circulate bottoms up. Perform FIT, EMW 13.0 MW 8.9 Test PSI 2162. Landed curve @11009' continue drilling ahead @11166' at report time.																			
Eng. 1:		Chris Beasley				Eng. 2:		Mike Calais				WH 1:		MIDLAND				WH 2:		WH #2		Rig Phone:				Daily Total		Cumulative Cost			
Phone:		903-747-5377				Phone:		936-689-1612				Phone:		432-686-7361				Phone:		-											
W P Y E C g G H O								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.																		\$11,540.38		\$64,360.28			
0 1 1 1 1 1 1 2 1								INCLUDING 3RD PARTY CHARGES										\$16,740.38		\$127,233.32											

THIRD PARTY COST SHEET

[illegible]

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	KLONDIKE RUSH H06 KL

		WEEK 1							WEEK 2							WEEK 3							
		Date	2/7/22	2/8/22	2/9/22	2/10/22	2/11/22	2/12/22	2/13/22	2/14/22	2/15/22	2/16/22	2/17/22	2/18/22	2/19/22	2/20/22	2/21/22	2/22/22	2/23/22	2/24/22	2/25/22	2/26/22	2/27/22
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
Grand Totals	Bit Size	9 7/8	9 7/8	9 7/8	9 7/8	6 3/4	6 3/4																
	Starting Depth	2,823	6,280	10,021	10,160	10,160	10,160	11,166															
	Ending Depth	6,280	10,021	10,160	10,160	10,160	11,166																
8,343	Footage Drilled	3,457	3,741	139	-	-	1,006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
743	New Hole Vol.	331	354	13	-	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Starting System Volume	262	2,484	2,555	2,326	461	2,521	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	
46	Chemical Additions	19	17				10																
471	Base Fluid Added	101	219	68		51	32																
48	Barite Increase		28	20																			
4,994	Weighted Mud Added	2,439				2,060	495																
-	Slurry Added																						
135	Water Added	50	60				25																
-	Added for Washout																						
5,694	Total Additions	2,609	324	88	-	2,111	562	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Surface Losses																						
-	Formation Loss																						
697	Mud Loss to Cuttings	361	242	21			73																
82	Unrecoverable Volume			27	40		15																
200	Centrifuge Losses	26	11	64	7	51	41																
979	Total Losses	387	253	112	47	51	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,023	Mud Transferred Out			205	1,818																		
2,954	Ending System Volume	2,484	2,555	2,326	461	2,521	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	2,954	
-	Mud Recovered																						
3,233	Comments:							Comments:							Comments:								
	2/7/22	Lost 361bbls to mud on cuttings and 26bbls to centrifuge processing active system.							2/14/22							2/21/22							
	2/8/22	Lost 242bbls to mud on cuttings while drilling and 11bbls to centrifuge processing mud overflow at shakers from v-bottom.							2/15/22							2/22/22							
	2/9/22	Lost 21bbls to mud on cuttings while drilling and 27bbls from surface while circulating hole clean. Lost 64bbls to centrifuge while cutting and maintaining mud weight in active pits.							2/16/22							2/23/22							
	2/10/22	Final Report Intermediate: 1818 transferred T/Klondike Trail H04 KL. 40 BBLS dumped. 7 BBLS lost to centrifuge.							2/17/22							2/24/22							
	2/11/22	Lost 51 bbls to centrifuge cutting back mw.							2/18/22							2/25/22							
	2/12/22	Received 495 BBL 8.8 from mud plan. Lost							2/19/22							2/26/22							
	2/13/22								2/20/22							2/27/22							

03/13/22

110 Old Market St.
St Martinville, LA 70582

Report #9

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

0.0°14,833' TVD

Operator										Contractor				County / Parish / Block				Engineer Start Date				24 hr fig.		Drilled Depth									
MAGNOLIA OIL & GAS										PATTERSON				WASHINGTON				02/01/22				13,904 ft				14,910 ft							
Well Name and No.										Rig Name and No.				State				Spud Date				Current ROP				Activity							
KLONDIKE RUSH H06 KL										248				TEXAS				02/01/22				302 ft/hr				Drilling							
Report for										Report for				Field / OCS-G #				Fluid Type				Circulating Rate				Circulating Pressure							
Brandon Parks /Jim Harrison										Tool Pusher				GIDDINGS				OBM				487 gpm				5,004 psi							
MUD PROPERTY SPECIFICATIONS										MUD VOLUME (BBL)				PUMP #1				PUMP #2				RISER BOOSTER											
Weight		PV		YP		E.S.		CaCl2		GELS		HTHP		In Pits		578 bbl		Liner Size		5.25		Liner Size		5.25		Liner Size							
9-10		10-20		7-12		>350		±250K		<10 <15		<10		In Hole		490 bbl		Stroke		12		Stroke		12		Stroke							
								3/12/22				3/12/22		Active		1068 bbl		bbl/stk		0.0763		bbl/stk		0.0763		bbl/stk 0.0000							
Time Sample Taken								0:30				12:30		Storage		1886 bbl		stk/min		75		stk/min		77		stk/min							
Sample Location								pit				pit		Tot. on Location		2954 bbl		gal/min		240		gal/min		247		gal/min 0							
Flowline Temperature °F								94 °F				140 °F		PHHP = 1422				CIRCULATION DATA								n = 0.706 K = 118.427							
Depth (ft)								14,910'				13,189'		Bit Depth = 14,910 '				Washout = 5%				Pump Efficiency = 95%											
Mud Weight (ppg)								9.0				8.9		Drill String Disp.		Volume to Bit		90.7 bbl		Strokes To Bit		1,188		Time To Bit		8 min							
Funnel Vis (sec/qt)								@ 94 °F		47						47		Bottoms Up Vol.				399.5 bbl				BottomsUp Stks		5,236		BottomsUp Time		34 min	
600 rpm								31				29				203.2 bbl		Riser Ann. Vol.				-2.1 bbl				Riser Strokes		-28		Riser Circ. Time		0 min	
300 rpm								19				18		DRILLING ASSEMBLY DATA								SOLIDS CONTROL											
200 rpm								13				15		Tubulars		OD (in.)		ID (in.)		Length		Top		Unit		Screens		Hours					
100 rpm								10				12		Drill Pipe		4.500		2.500		14,790'		0'		Shaker 1		170							
6 rpm								6				6		Dir. BHA		5.000		2.750		120'		14,790'		Shaker 2		170							
3 rpm								5				5												14,910'		Shaker 3		170					
Plastic Viscosity (cp)								@ 150 °F		12				11												14,910'		Desander					
Yield Point (lb/100 ft²)								T0 = 4		7				7		CASING & HOLE DATA										Desilter							
Gel Strength (lb/100 ft²)								10 sec/10 min		6/8				5/7		Casing		OD (in.)		ID (in.)		Depth		Top		Centrifuge 1							
Gel Strength (lb/100 ft²)								30 min		9				7		Riser		20				108'				VOLUME ACCOUNTING (bbls)							
HTHP Filtrate (cm/30 min)								@ 300 °F		12.8				12.8		Surface		10 3/4				2,810'		108'		Prev. Total on Location		2954.4					
HTHP Cake Thickness (32nds)										2.0				2.0		Int. Csg.		7 5/8		6.875		10,148'		108'		Transferred In(+)/Out(-)							
Retort Solids Content										10%				9.5%		Prod.										Oil Added (+)		105.4					
Corrected Solids (vol%)										8%				7.7%		Prod.										Barite Added (+)		0.0					
Retort Oil Content										64.5%				65.5%		Open Hole Size		7.088		14,910'						Other Product Usage (+)		19.0					
Retort Water Content										25.5%				25%		ANNULAR GEOMETRY & RHEOLOGY										Water Added (+)		50.0					
O/W Ratio										72:28				72:28		annular section		meas. depth		velocity ft/min		flow reg		ECD lb/gal		Left on Cuttings (-)		-108.6					
Whole Mud Chlorides (mg/L)										51,000				48,000												Evaporation/centrifuge		-16.1					
Water Phase Salinity (ppm)										238,743				231,403		0x4.5		108'		-589.6		9.22				Downhole		-50.0					
Whole Mud Alkalinity, Pom										2.1				2.5		6.875x4.5		10,148'		442.0		turb		10.48		Est. Total on Location		2954.2					
Excess Lime (lb/bbl)										2.7 ppb				3.3 ppb		7.088x4.5		14,790'		398.1		turb		10.53		Est. Losses/Gains (-)/(+)		0.0					
Electrical Stability (volts)										435 v				497 v		7.088x5		14,910'		473.1		turb		10.76		BIT HYDRAULICS DATA							
Average Specific Gravity of Solids										2.73				2.72												Bit H.S.I.		Bit ΔP		Nozzles (32nds)			
Percent Low Gravity Solids										6.2%				6.1%												0.70		88 psi		18 18 18			
ppb Low Gravity Solids										51 ppb				50 ppb												Bit Impact Force		Nozzle Velocity (ft/sec)		18 18 18			
Percent Barite										1.7%				1.6%																			
ppb Barite										25 ppb				23 ppb		BIT DATA		Manuf./Type		Ulterra				238 lbs		105							
Estimated Total LCM in System								ppb								Size		Depth In		Hours		Footage		ROP ft/hr		Motor/MWD		Calc. Circ. Pressure					
Sample Taken By								M. Calais		0		C. Beasley		6 3/4		10,160 ft		24.0		13,904 ft		579.3		900 psi		12,939 psi							
Remarks/Recommendations:												Rig Activity:																					
Received 495 BBLs 8.8 PPG from Mudplant																																	
Allocated Volume: 2521bls OBM												Drilled T/13189'. Pumping LCM sweeps every 300' or as needed. Gas 2029 units. Casing PSI 0.Continued drilling ahead @ 14910' Pumping sweeps every 300' or as needed. Current mud weight 9 ppg APCO.																					
Eng. 1:		Chris Beasley				Eng. 2:		Mike Calais				WH 1:		MIDLAND				WH 2:		WH #2		Rig Phone:				Daily Total		Cumulative Cost					
Phone:		903-747-5377				Phone:		936-689-1612				Phone:		432-686-7361				Phone:		-						\$9,244.35		\$73,804.63					
W	P	Y	E	C	g	G	H	O	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.														\$27,198.91		\$154,632.23								
1	1	1	1	0	1	1	2	1															INCLUDING 3RD PARTY CHARGES										

THIRD PARTY COST SHEET

[illegible]

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	KLONDIKE RUSH H06 KL

3,233

03/14/22

110 Old Market St.
St Martinville, LA 70582

Report #10
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

87.9° 10,988' TVD

Operator MAGNOLIA OIL & GAS				Contractor PATTERSON			County / Parish / Block WASHINGTON			Engineer Start Date 02/01/22			24 hr fig. 2,991 ft			Drilled Depth 17,901 ft							
Well Name and No. KLONDIKE RUSH H06 KL				Rig Name and No. 248			State TEXAS			Spud Date 02/01/22			Current ROP 128 ft/hr			Activity Drilling							
Report for Brandon Parks /Jim Harrison				Report for Tool Pusher			Field / OCS-G # GIDDINGS			Fluid Type OBM			Circulating Rate 231 gpm			Circulating Pressure 4,591 psi							
MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)			PUMP #1			PUMP #2			RISER BOOSTER							
Weight	PV	YP	E.S.	CaCl2	GELS	HTHP	In Pits	508 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size										
9-10	10-20	7-12	>350	±250K	<10 <15	<10	In Hole	596 bbl	Stroke	12	Stroke	12	Stroke										
				3/14/22		3/13/22	Active	1104 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk	0.0000									
Time Sample Taken				0:30		12:30	Storage	1732 bbl	stk/min	72	stk/min	0	stk/min										
Sample Location				pit		pit	Tot. on Location	2836 bbl	gal/min	231	gal/min	0	gal/min 0										
Flowline Temperature °F				175 °F		140 °F	PHHP = 618 CIRCULATION DATA n = 0.688 K = 125.689																
Depth (ft)				17,918'		13,189'	Bit Depth = 17,901 '			Washout = 5%			Pump Efficiency = 95%										
Mud Weight (ppg)				9.0		9.0	Drill String Disp.	Volume to Bit	108.8 bbl	Strokes To Bit 1,426			Time To Bit 20 min										
Funnel Vis (sec/qt) @ 94 °F				47		48		Bottoms Up Vol.	486.7 bbl	BottomsUp Stks 6,378			BottomsUp Time 89 min										
600 rpm				29		30		243.9 bbl	Riser Ann. Vol.	-2.1 bbl	Riser Strokes -28			Riser Circ. Time 0 min									
300 rpm				18		18	DRILLING ASSEMBLY DATA					SOLIDS CONTROL											
200 rpm				13		14	Tubulars	OD (in.)	ID (in.)	Length	Top	Unit	Screens	Hours									
100 rpm				10		11	Drill Pipe	4.500	2.500	17,781'	0'	Shaker 1	170										
6 rpm				6		6	Dir. BHA	5.000	2.750	120'	17,781'	Shaker 2	170										
3 rpm				5		5						Shaker 3	170										
Plastic Viscosity (cp) @ 150 °F				11		12						17,901'	Desander										
Yield Point (lb/100 ft²) T0 = 4				7		6	CASING & HOLE DATA					Desilter											
Gel Strength (lb/100 ft²) 10 sec/10 min				6/8		5/7	Casing	OD (in.)	ID (in.)	Depth	Top	Centrifuge 1											
Gel Strength (lb/100 ft²) 30 min				9		7	Riser	20		108'	VOLUME ACCOUNTING (bbls)												
HTHP Filtrate (cm/30 min) @ 300 °F				12.8		12.8	Surface	10 3/4		2,810'	108'	Prev. Total on Location 2954.2											
HTHP Cake Thickness (32nds)				2.0		2.0	Int. Csg.	7 5/8	6.875	10,148'	108'	Transferred In(+)/Out(-)											
Retort Solids Content				9.5%		9.5%	Prod.						Oil Added (+)		130.1								
Corrected Solids (vol%)				7.5%		7.7%	Prod.						Barite Added (+)		13.9								
Retort Oil Content				65.5%		65.5%	Open Hole Size		7.088	17,901'	Other Product Usage (+)					14.1							
Retort Water Content				25%		25%	ANNULAR GEOMETRY & RHEOLOGY					Water Added (+)				48.0							
O/W Ratio				72:28		72:28	annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal	Left on Cuttings (-)				-146.0							
Whole Mud Chlorides (mg/L)				51,000		48,000						Evaporation/centrifuge				-78.9							
Water Phase Salinity (ppm)				242,361		231,403	0x4.5	108'	-279.3		9.19	Downhole				-100.0							
Whole Mud Alkalinity, Pom				2.4		2.5	6.875x4.5	10,148'	209.4	lam	9.56	Est. Total on Location				2835.5							
Excess Lime (lb/bbl)				3.1 ppb		3.3 ppb	7.088x4.5	17,781'	188.6	lam	9.93	Est. Losses/Gains (-)/(+)				0.0							
Electrical Stability (volts)				485 v		497 v	7.088x5	17,901'	224.1	turb	10.14	BIT HYDRAULICS DATA											
Average Specific Gravity of Solids				2.87		2.88						Bit H.S.I.	Bit ΔP	Nozzles (32nds)									
Percent Low Gravity Solids				5.2%		5.4%						0.07	20 psi	18	18	18							
ppb Low Gravity Solids				43 ppb		44 ppb						Bit Impact Force	Nozzle Velocity (ft/sec)										
Percent Barite				2.2%		2.3%						53 lbs	50										
ppb Barite				32 ppb		33 ppb	BIT DATA		Manuf./Type Ultrerra														
Estimated Total LCM in System ppb							Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure										
Sample Taken By				M. Calais	0	C. Beasley	6 3/4	10,160 ft	24.0	13,904 ft	579.3	900 psi	4,743 psi										
Remarks/Recommendations: Received 495 BBLs 8.8 PPG from Mudplant Allocated Volume: 2521bls OBM							Rig Activity: Continue drilling ahead @ 17,901' pumping sweeps every 300'. Prepared 17 ppg kill mud in Tank #7 anticipating formation change at report time. Gas 1949. 0 casing pressure.																
Eng. 1:		Chris Beasley		Eng. 2:		Mike Calais		WH 1:		MIDLAND		WH 2:		WH #2		Rig Phone:		Daily Total		Cumulative Cost			
Phone:		903-747-5377		Phone:		936-689-1612		Phone:		432-686-7361		Phone:		-				\$16,351.00		\$90,155.63			
W P Y E C g				G H O				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.												\$16,351.00		\$90,155.63	
1 1 1 1 1 1				1 1 2 1																			
INCLUDING 3RD PARTY CHARGES												\$38,568.24		\$193,200.47									

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	KLONDIKE RUSH H06 KL

		WEEK 1								WEEK 2								WEEK 3							
		Date	2/7/22	2/8/22	2/9/22	2/10/22	2/11/22	2/12/22	2/13/22	2/14/22	2/15/22	2/16/22	2/17/22	2/18/22	2/19/22	2/20/22	2/21/22	2/22/22	2/23/22	2/24/22	2/25/22	2/26/22	2/27/22		
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun			
Grand Totals	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	2,823	6,280	10,021	10,160	10,160	10,160	11,166	14,910	17,901															
	Ending Depth	6,280	10,021	10,160	10,160	10,160	11,166	14,910	17,901																
15,078	Footage Drilled	3,457	3,741	139	-	-	1,006	3,744	2,991	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,041	New Hole Vol.	331	354	13	-	-	45	166	132	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Starting System Volume	262	2,484	2,555	2,326	461	2,521	2,954	2,954	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836			
79	Chemical Additions	19	17				10	19	14																
710	Base Fluid Added	101	219	68		51	32	109	130																
62	Barite Increase		28	20					14																
4,994	Weighted Mud Added	2,439				2,060	495																		
-	Slurry Added																								
233	Water Added	50	60				25	50	48																
-	Added for Washout																								
6,078	Total Additions	2,609	324	88	-	2,111	562	178	206	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	Surface Losses																								
150	Formation Loss							50	100																
952	Mud Loss to Cuttings	361	242	21			73	109	146																
156	Unrecoverable Volume			27	40		15	4	70																
223	Centrifuge Losses	26	11	64	7	51	41	15	8																
1,481	Total Losses	387	253	112	47	51	129	178	324	-	-	-	-	-	-	-	-	-	-	-	-	-			
2,023	Mud Transferred Out			205	1,818																				
2,836	Ending System Volume	2,484	2,555	2,326	461	2,521	2,954	2,954	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836			
-	Mud Recovered																								
3,233	Comments:								Comments:								Comments:								
	2/7/22	Lost 361bbls to mud on cuttings and 26bbls to centrifuge processing active system.							2/14/22 Lost 100 bbls down hole.								2/21/22								
	2/8/22	Lost 242bbls to mud on cuttings while drilling and 11bbls to centrifuge processing mud overflow at shakers from v-bottom.							2/15/22								2/22/22								
	2/9/22	Lost 21bbls to mud on cuttings while drilling and 27bbls from surface while circulating hole clean. Lost 64bbls to centrifuge while cutting and maintaining mud weight in active pits.							2/16/22								2/23/22								
	2/10/22	Final Report Intermediate: 1818 transferred T/Klondike Trail H04 KL. 40 BBLS dumped. 7 BBLS lost to centrifuge.							2/17/22								2/24/22								
	2/11/22	Lost 51 bbls to centrifuge cutting back mw.							2/18/22								2/25/22								
	2/12/22	Received 495 BBL 8.8 from mud plan.							2/19/22								2/26/22								
	2/13/22	Pumping sweeps every 300' Lost 50 bbl down hole.							2/20/22								2/27/22								

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	KLONDIKE RUSH H06 KL

		WEEK 1								WEEK 2								WEEK 3							
		Date	2/7/22	2/8/22	2/9/22	2/10/22	2/11/22	2/12/22	2/13/22	2/14/22	2/15/22	2/16/22	2/17/22	2/18/22	2/19/22	2/20/22	2/21/22	2/22/22	2/23/22	2/24/22	2/25/22	2/26/22	2/27/22		
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun			
Grand Totals	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															
	Starting Depth	2,823	6,280	10,021	10,160	10,160	10,160	11,166	14,910	17,901	19,857														
	Ending Depth	6,280	10,021	10,160	10,160	10,160	11,166	14,910	17,901	19,857															
17,034	Footage Drilled	3,457	3,741	139	-	-	1,006	3,744	2,991	1,956	-	-	-	-	-	-	-	-	-	-	-	-			
1,128	New Hole Vol.	331	354	13	-	-	45	166	132	87	-	-	-	-	-	-	-	-	-	-	-	-			
	Starting System Volume	262	2,484	2,555	2,326	461	2,521	2,954	2,954	2,836	2,034	2,034	2,034	2,034	2,034	2,034	2,034	2,034	2,034	2,034	2,034	2,034			
81	Chemical Additions	19	17				10	19	14	2															
830	Base Fluid Added	101	219	68		51	32	109	130	120															
135	Barite Increase		28	20					14	73															
4,994	Weighted Mud Added	2,439				2,060	495																		
-	Slurry Added																								
269	Water Added	50	60				25	50	48	36															
-	Added for Washout																								
6,309	Total Additions	2,609	324	88	-	2,111	562	178	206	231	-	-	-	-	-	-	-	-	-	-	-	-			
-	Surface Losses																								
1,183	Formation Loss							50	100	1,033															
952	Mud Loss to Cuttings	361	242	21			73	109	146																
156	Unrecoverable Volume			27	40		15	4	70																
223	Centrifuge Losses	26	11	64	7	51	41	15	8																
2,514	Total Losses	387	253	112	47	51	129	178	324	1,033	-	-	-	-	-	-	-	-	-	-	-	-			
2,023	Mud Transferred Out			205	1,818																				
2,034	Ending System Volume	2,484	2,555	2,326	461	2,521	2,954	2,954	2,836	2,034	2,034	2,034	2,034	2,034	2,034	2,034	2,034	2,034	2,034	2,034	2,034	2,034			
-	Mud Recovered																								
3,233	Comments:								Comments:								Comments:								
	2/7/22	Lost 361bbls to mud on cuttings and 26bbls to centrifuge processing active system.							2/14/22	Lost 100 bbls down hole.							2/21/22								
	2/8/22	Lost 242bbls to mud on cuttings while drilling and 11bbls to centrifuge processing mud overflow at shakers from v-bottom.							2/15/22	Lost 1034 bbls downhole							2/22/22								
	2/9/22	Lost 21bbls to mud on cuttings while drilling and 27bbls from surface while circulating hole clean. Lost 64bbls to centrifuge while cutting and maintaining mud weight in active pits.							2/16/22								2/23/22								
	2/10/22	Final Report Intermediate: 1818 transferred T/Klondike Trail H04 KL. 40 BBLS dumped. 7 BBLS lost to centrifuge.							2/17/22								2/24/22								
	2/11/22	Lost 51 bbls to centrifuge cutting back mw.							2/18/22								2/25/22								
	2/12/22	Received 495 BBL 8.8 from mud plan.							2/19/22								2/26/22								
	2/13/22	Pumping sweeps every 300' Lost 50 bbl down hole.							2/20/22								2/27/22								

03/16/22

110 Old Market St.
St Martinville, LA 70582

Report #12
TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

1.2° 6,322' TVD

Operator MAGNOLIA OIL & GAS				Contractor PATTERSON			County / Parish / Block WASHINGTON		Engineer Start Date 02/01/22		24 hr fig. 126 ft		Drilled Depth 19,983 ft			
Well Name and No. KLONDIKE RUSH H06 KL				Rig Name and No. 248			State TEXAS		Spud Date 02/01/22		Current ROP 0 ft/hr		Activity Running casing			
Report for Brandon Parks /Jim Harrison				Report for Tool Pusher			Field / OCS-G # GIDDINGS		Fluid Type WBM		Circulating Rate 0 gpm		Circulating Pressure			
MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER			
Weight	PV	YP	GELS	pH	API fl	% Solids	In Pits	294 bbl	Liner Size	5.25	Liner Size	5.25	Liner Size			
8.4-9.6	0-10	0-10	<5 <10	7-9	<25	2-10	In Hole	0 bbl	Stroke	12	Stroke	12	Stroke			
				3/16/22		3/15/22	Active	293 bbl	bbl/stk	0.0763	bbl/stk	0.0763	bbl/stk 0.0000			
Time Sample Taken				0:30		12:00	Storage	1477 bbl	stk/min	0	stk/min	0	stk/min			
Sample Location				pit		pit	Tot. on Location	1771 bbl	gal/min	0	gal/min	0	gal/min 0			
Flowline Temperature °F							PHHP = 0 CIRCULATION DATA n = 0.585 K = 26.563									
Depth (ft)				19,983'		19,983'	Bit Depth = 6,335 '			Washout = 5%		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) @ 69 °F				28		28		Bottoms Up Vol.	-1.4 bbl	BottomsUp Stks		BottomsUp Time				
600 rpm				3		3		2.9 bbl	Riser Ann. Vol.	0.0 bbl	Riser Strokes		Riser Circ. Time			
300 rpm				2		2	DRILLING ASSEMBLY DATA					SOLIDS CONTROL				
200 rpm				1		1	Tubulars	OD (in.)	ID (in.)	Length	Top	Unit	Screens	Hours		
100 rpm				1		1	Casing	0.000	0.000	6,215'	0'	Shaker 1	170			
6 rpm				1		1	Casing	5.000	0.000	120'	6,215'	Shaker 2	170			
3 rpm				1		1						Shaker 3	170			
Plastic Viscosity (cp) @ 120 °F				1		1						Desander				
Yield Point (lb/100 ft²) T0 = 1				1		1	CASING & HOLE DATA					Desilter				
Gel Strength (lb/100 ft²) 10 sec/10 min				1/1		1/1	Casing	OD (in.)	ID (in.)	Depth	Top	Centrifuge 1				
Gel Strength (lb/100 ft²) 30 min				1		1	Riser	20			108'	VOLUME ACCOUNTING (bbls)				
API Filtrate / Cake Thickness							Surface	10 3/4			2,810'	108'	Prev. Total on Location 2033.6			
HTHP Filtrate / Cake Thickness @ 0 °F							Int. Csg.	7 5/8	0.500	10,148'	108'	Transferred In(+)/Out(-)				
Retort Solids Content				0.4%		0.4%	Prod.						Oil Added (+)	26.7		
Retort Oil Content							Prod.						Barite Added (+)	0.0		
Retort Water Content				99.6%		99.6%	Open Hole Size		0.000	19,983'		Other Product Usage (+)	0.5			
Sand Content				0.3%		0.4%	ANNULAR GEOMETRY & RHEOLOGY					Water Added (+)				
M.B.T. (Methylene Blue Capacity) (ppb)							annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal	Left on Cuttings (-)	0.0			
pH				7.0		7.0						Evaporation/centrifuge				
Alkalinity, Mud Pm							0x0	108'				8.40	Downhole	-290.3		
Alkalinities, Filtrate Pf/Mf							0.5x0	6,215'		0.0	lam	8.40	Est. Total on Location	1770.5		
Chlorides (mg/L)				500		500	0.5x5	6,335'		0.0	8.40		Est. Losses/Gains (-)/(+)	0.0		
Calcium (ppm)				200		200						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				0.4%		0.4%						Bit Impact Force	Nozzle Velocity (ft/sec)			
Percent Drill Solids				0.4%		0.4%										
PPA Spurt / Total (ml) @ 0 °F							BIT DATA							Manuf./Type		Ulterra
Estimated Total LCM in System ppb							Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure			
Sample Taken By				M.Calais		C. Beasley										
Remarks/Recommendations: Received 495 BBLs 8.8 PPG from Mudplant Allocated Volume: 2521bls OBM							Rig Activity: TD @ 19983' Pumped tandem sweeps to clean hole. Pumped 20 bbls of 17.5 kill mud and POOH. RU casinging. Casing run @report time current depth 6400'.									
Eng. 1: Chris Beasley		Eng. 2: Mike Calais		WH 1: MIDLAND		WH 2: WH #2		Rig Phone:		Daily Total		Cumulative Cost				
Phone: 903-747-5377		Phone: 936-689-1612		Phone: 432-686-7361		Phone: -				\$23,695.82		\$189,155.90				
W	P	Y	g	G	p	A	S	C	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.				\$28,082.84		\$316,144.41	
1	1	1	1	1	1	1	0	0								
INCLUDING 3RD PARTY CHARGES										\$28,082.84		\$316,144.41				

THIRD PARTY COST SHEET

[illegible]

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	KLONDIKE RUSH H06 KL

		WEEK 1								WEEK 2								WEEK 3							
		Date	2/7/22	2/8/22	2/9/22	2/10/22	2/11/22	2/12/22	2/13/22	2/14/22	2/15/22	2/16/22	2/17/22	2/18/22	2/19/22	2/20/22	2/21/22	2/22/22	2/23/22	2/24/22	2/25/22	2/26/22	2/27/22		
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun			
Grand Totals	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	2,823	6,280	10,021	10,160	10,160	10,160	11,166	14,910	17,901	19,857	19,983													
	Ending Depth	6,280	10,021	10,160	10,160	10,160	11,166	14,910	17,901	19,857	19,983														
17,160	Footage Drilled	3,457	3,741	139	-	-	1,006	3,744	2,991	1,956	126	-	-	-	-	-	-	-	-	-	-	-			
1,133	New Hole Vol.	331	354	13	-	-	45	166	132	87	6	-	-	-	-	-	-	-	-	-	-	-			
	Starting System Volume	262	2,484	2,555	2,326	461	2,521	2,954	2,954	2,836	2,034	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771			
82	Chemical Additions	19	17				10	19	14	2	1														
856	Base Fluid Added	101	219	68		51	32	109	130	120	27														
135	Barite Increase		28	20					14	73															
4,994	Weighted Mud Added	2,439				2,060	495																		
-	Slurry Added																								
269	Water Added	50	60				25	50	48	36															
-	Added for Washout																								
6,336	Total Additions	2,609	324	88	-	2,111	562	178	206	231	27	-	-	-	-	-	-	-	-	-	-	-			
-	Surface Losses																								
1,473	Formation Loss							50	100	1,033	290														
952	Mud Loss to Cuttings	361	242	21			73	109	146																
156	Unrecoverable Volume			27	40		15	4	70																
223	Centrifuge Losses	26	11	64	7	51	41	15	8																
2,804	Total Losses	387	253	112	47	51	129	178	324	1,033	290	-	-	-	-	-	-	-	-	-	-	-			
2,023	Mud Transferred Out			205	1,818																				
1,771	Ending System Volume	2,484	2,555	2,326	461	2,521	2,954	2,954	2,836	2,034	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771			
-	Mud Recovered																								
3,233	Comments:								Comments:								Comments:								
	2/7/22	Lost 361bbls to mud on cuttings and 26bbls to centrifuge processing acive system.							2/14/22	Lost 100 bbls down hole.							2/21/22								
	2/8/22	Lost 242bbls to mud on cuttings while drilling and 11bbls to centrifuge processing mud overflow at shakers from v-bottom.							2/15/22	Lost 1034 bbls downhole							2/22/22								
	2/9/22	Lost 21bbls to mud on cuttings while drilling and 27bbls from surface while circulating hole clean. Lost 64bbls to centrifuge while cutting and maintaining mud weight in active pits.							2/16/22	Lost 290 bbls to formation.							2/23/22								
	2/10/22	Final Report Intermediate: 1818 transferred T/Klondike Trail H04 KL. 40 BBLS dumped. 7 BBLS lost to centrifuge.							2/17/22								2/24/22								
	2/11/22	Lost 51 bbls to centrifuge cutting back mw.							2/18/22								2/25/22								
	2/12/22	Received 495 BBL 8.8 from mud plan.							2/19/22								2/26/22								
	2/13/22	Pumping sweeps every 300' Lost 50 bbl down hole.							2/20/22								2/27/22								

03/17/22

110 Old Market St.
St Martinville, LA 70582

Report #13

TEL: (337) 394-1078

OUTSOURCE FLUID SOLUTIONS LLC.

87.9°

11,065' TVD

Operator MAGNOLIA OIL & GAS				Contractor PATTERSON			County / Parish / Block WASHINGTON		Engineer Start Date 02/01/22		24 hr fig. 0 ft		Drilled Depth 19,983 ft					
Well Name and No. KLONDIKE RUSH H06 KL				Rig Name and No. 248			State TEXAS		Spud Date 02/01/22		Current ROP 0 ft/hr		Activity Cementing					
Report for Brandon Parks /Chris Mayeaux				Report for Tool Pusher			Field / OCS-G # GIDDINGS		Fluid Type WBM		Circulating Rate 0 gpm		Circulating Pressure psi					
MUD PROPERTY SPECIFICATIONS							MUD VOLUME (BBL)		PUMP #1		PUMP #2		RISER BOOSTER					
Weight 8.4-9.6	PV 0-10	YP 0-10	GELS <5 <10	pH 7-9	API fl <25	% Solids 2-10	In Pits 0 bbl	Liner Size 5.25	Liner Size 5.25	Liner Size								
						In Hole 2 bbl	Stroke 12	Stroke 12	Stroke									
						Active 2 bbl	bbl/stk 0.0763	bbl/stk 0.0763	bbl/stk 0.0000									
						Storage <u>1754 bbl</u>	stk/min 0	stk/min 0	stk/min									
Time Sample Taken				0:30		12:00		Tot. on Location 1756 bbl	gal/min 0	gal/min 0	gal/min 0							
Sample Location				pit		pit												
Flowline Temperature °F								PHHP = 0 CIRCULATION DATA n = 0.585 K = 26.563										
Depth (ft)				19,983'		19,983'		Bit Depth = 19,968 '		Washout = 5%		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) @ 69 °F				28		28			Bottoms Up Vol. 1.6 bbl		BottomsUp Stks		BottomsUp Time					
600 rpm				3		3			Riser Ann. Vol. 0.0 bbl		Riser Strokes		Riser Circ. Time					
300 rpm				2		2		DRILLING ASSEMBLY DATA					SOLIDS CONTROL					
200 rpm				1		1		Tubulars	OD (in.)	ID (in.)	Length	Top	Unit	Screens	Hours			
100 rpm				1		1		Casing	0.000	0.000	19,848'	0'	Shaker 1	170				
6 rpm				1		1		Casing	0.000	0.000	120'	19,848'	Shaker 2	170				
3 rpm				1		1						19,968'	Shaker 3	170				
Plastic Viscosity (cp) @ 120 °F				1		1						19,968'	Desander					
Yield Point (lb/100 ft²) T0 = 1				1		1		CASING & HOLE DATA					Desilter					
Gel Strength (lb/100 ft²) 10 sec/10 min				1/1		1/1		Casing	OD (in.)	ID (in.)	Depth	Top	Centrifuge 1					
Gel Strength (lb/100 ft²) 30 min				1		1		Riser	20		108'		VOLUME ACCOUNTING (bbls)					
API Filtrate / Cake Thickness								Surface	10 3/4		2,810'	108'	Prev. Total on Location	1770.5				
HTHP Filtrate / Cake Thickness @ 0 °F								Int. Csg.	7 5/8	0.400	10,148'	108'	Transferred In(+)/Out(-)	251.0				
Retort Solids Content				0.4%		0.4%		Prod.	5 1/2	0.000	9,667'		Oil Added (+)	0.0				
Retort Oil Content								Prod.	5		19,968'		Barite Added (+)	10.9				
Retort Water Content				99.6%		99.6%		Open Hole Size		0.000	19,983'		Other Product Usage (+)	1.9				
Sand Content				0.3%		0.4%		ANNULAR GEOMETRY & RHEOLOGY					Water Added (+)					
M.B.T. (Methylene Blue Capacity) (ppb)								annular section	meas. depth	velocity ft/min	flow reg	ECD lb/gal	Left on Cuttings (-)	0.0				
pH				7.0		7.0							Evaporation/centrifuge					
Alkalinity, Mud Pm								0x0		108'		8.40	Downhole	-278.7				
Alkalinities, Filtrate Pf/Mf								0.4x0		10,148'	0.0	lam	8.40	Est. Total on Location	1755.5			
Chlorides (mg/L)				500		500							Est. Losses/Gains (-)/(+)	0.0				
Calcium (ppm)				200		200		0x0		19,848'		8.40	BIT HYDRAULICS DATA					
Excess Lime (lb/bbl)								0x0		19,968'		8.40	Bit H.S.I.	Bit ΔP	Nozzles (32nds)			
Average Specific Gravity of Solids				2.60		2.60												
Percent Low Gravity Solids				0.4%		0.4%							Bit Impact Force	Nozzle Velocity (ft/sec)				
Percent Drill Solids				0.4%		0.4%												
PPA Spurt / Total (ml) @ @ 0 °F								BIT DATA		Manuf./Type		Ulterra						
Estimated Total LCM in System ppb								Size	Depth In	Hours	Footage	ROP ft/hr	Motor/MWD	Calc. Circ. Pressure				
Sample Taken By				M.Calais		P. Blair												
Remarks/Recommendations: Received 251 BBLS 17.5 PPG from Mudplant Allocated Volume: 2521bls OBM Transferred 1756 to Klondike Mill							Rig Activity: Run 5" production casing T/10,302', swap out 5" tools T/5.5". Run 5.5" production casing T/19,968'. Finished Perform 2 stage cement job @ reporttime.											
Eng. 1: Patrick Blair		Eng. 2: Mike Calais		WH 1: MIDLAND		WH 2: WH #2		Rig Phone:		Daily Total			Cumulative Cost					
Phone: 903-747-5377		Phone: 936-689-1612		Phone: 432-686-7361		Phone: -					\$24,266.51			\$213,422.41				
W 1	P 1	Y 1	g 1	G 1	p 1	A 1	S 0	C 0	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.				\$24,266.51			\$340,410.92		
									INCLUDING 3RD PARTY CHARGES			\$24,266.51			\$340,410.92			

THIRD PARTY COST SHEET

[illegible]

OUTSOURCE FLUID SOLUTIONS LLC.

FLUID VOLUME ACCOUNTING

Operator:	MAGNOLIA OIL & GAS
Rig Name:	248
Well Name:	KLONDIKE RUSH H06 KL

		WEEK 1							WEEK 2							WEEK 3							
		Date	2/7/22	2/8/22	2/9/22	2/10/22	2/11/22	2/12/22	2/13/22	2/14/22	2/15/22	2/16/22	2/17/22	2/18/22	2/19/22	2/20/22	2/21/22	2/22/22	2/23/22	2/24/22	2/25/22	2/26/22	2/27/22
		Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
Grand Totals	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											
	Starting Depth	2,823	6,280	10,021	10,160	10,160	10,160	11,166	14,910	17,901	19,857	19,983	19,983										
	Ending Depth	6,280	10,021	10,160	10,160	10,160	11,166	14,910	17,901	19,857	19,983	19,983											
17,160	Footage Drilled	3,457	3,741	139	-	-	1,006	3,744	2,991	1,956	126	-	-	-	-	-	-	-	-	-	-		
1,133	New Hole Vol.	331	354	13	-	-	45	166	132	87	6	-	-	-	-	-	-	-	-	-	-		
	Starting System Volume	262	2,484	2,555	2,326	461	2,521	2,954	2,954	2,836	2,034	1,771	1,756	1,756	1,756	1,756	1,756	1,756	1,756	1,756	1,756		
83	Chemical Additions	19	17				10	19	14	2	1	2											
856	Base Fluid Added	101	219	68		51	32	109	130	120	27	-											
146	Barite Increase		28	20					14	73		11											
5,245	Weighted Mud Added	2,439				2,060	495					251											
-	Slurry Added																						
269	Water Added	50	60				25	50	48	36													
-	Added for Washout																						
6,600	Total Additions	2,609	324	88	-	2,111	562	178	206	231	27	264	-	-	-	-	-	-	-	-	-		
-	Surface Losses																						
1,752	Formation Loss							50	100	1,033	290	279											
952	Mud Loss to Cuttings	361	242	21			73	109	146														
156	Unrecoverable Volume			27	40		15	4	70														
223	Centrifuge Losses	26	11	64	7	51	41	15	8														
3,082	Total Losses	387	253	112	47	51	129	178	324	1,033	290	279	-	-	-	-	-	-	-	-	-		
2,023	Mud Transferred Out			205	1,818																		
1,756	Ending System Volume	2,484	2,555	2,326	461	2,521	2,954	2,954	2,836	2,034	1,771	1,756	1,756	1,756	1,756	1,756	1,756	1,756	1,756	1,756	1,756		
-	Mud Recovered																						
3,484	Comments:							Comments:							Comments:								
	2/7/22	Lost 361bbls to mud on cuttings and 26bbls to centrifuge processing acive system.							2/14/22 Lost 100 bbls down hole.							2/21/22							
	2/8/22	Lost 242bbls to mud on cuttings while drilling and 11bbls to centrifuge processing mud overflow at shakers from v-bottom.							2/15/22 Lost 1034 bbls downhole							2/22/22							
	2/9/22	Lost 21bbls to mud on cuttings while drilling and 27bbls from surface while circulating hole clean. Lost 64bbls to centrifuge while cutting and maintaining mud weight in active pits.							2/16/22 Lost 290 bbls to formation.							2/23/22							
	2/10/22	Final Report Intermediate: 1818 transferred T/Klondike Trail H04 KL. 40 BBLS dumped. 7 BBLS lost to centrifuge.							2/17/22							2/24/22							
	2/11/22	Lost 51 bbls to centrfuge cutting back mw.							2/18/22							2/25/22							
	2/12/22	Received 495 BBL 8.8 from mud plan.							2/19/22							2/26/22							
2/13/22	Pumping sweeps every 300' Lost 50 bbl down hole.							2/20/22							2/27/22								