



DAILY DRILLING PARTNER REPORT

UTL 4546B-21-61H

Report Date: 11/02/2020

Report No: 10

Estimated Rig Move/Skid: 11/08/2020

End of Report MD/TVD:	20,846 / 11,037 ft	API No:	4249534491	Rig Name:	H&P 296	AFE Category 1:	\$ 3,682,389.00
Daily Footage:	1316 ft	Property No:	501665	Area:	TEXAS - WINKLER		
Rig Datum:	Rig #2 @ 2,774.00 ft	Latitude:	31.66135064	Event:	PRODUCTION	Cumulative Cost:	\$ 828,562.13
Ground Elev:	2,749.00 ft	Longitude:	-103.21387864	AFE Number:	JAG-10413D	Total Well Cost:	\$2,119,359.61

Current Operation (6:00 AM):	DRILLING AHEAD AT 20,846'.
24-Hr Summary:	DRILLED AHEAD FROM 19,530' TO 20,846'.
24-Hr Forecast:	DRILL AHEAD AS PER PLAN #3 TO TD. PERFORM CLEAN UP CYCLE AND STRIP OUT OF HOLE.

OPERATIONS									
From	To	Hrs	Phase	Code	Subcode	Class	Details	Start MD(ft)	End MD(ft)
6:00	10:00	4.00	DPROD	DRILLING	DRILLING NEW HOLE	P	DRILLED 7-7/8" LATERAL FROM 19,530' TO 19,737' 207' AT 51.7'/HR 50 RPM 515 GPM 50-52 KIP WOB 400 - 600 PSI DIFF 5,600 - 5,800 PSI SPP 22,000 - 27,000 FT-LBS TORQUE DRILLING TARGET WINDOW CHANGE @ 07:46 hrs 11/2/20 TO 10' ABOVE / 20' BELOW *CURRENT TOOL SETTING 90.9 INC, 73.5 AZM	19,530	19,737
10:00	14:00	4.00	DPROD	DRILLING	DRILLING NEW HOLE	P	DRILLED 7-7/8" LATERAL FROM 19,737' TO 19,970' 233' AT 58.2'/HR 50 RPM 515 GPM 50-52 KIP WOB 400 - 600 PSI DIFF 5,600 - 5,800 PSI SPP 22,000 - 27,000 FT-LBS TORQUE DRILLING WINDOW 10' ABOVE / 20' BELOW *CURRENT TOOL SETTING 89.9 INC, 73.5 AZM	19,737	19,970
14:00	18:00	4.00	DPROD	DRILLING	DRILLING NEW HOLE	P	DRILLED 7-7/8" LATERAL FROM 19,970' TO 20,180' 210' AT 52.5'/HR 50 RPM 515 GPM 50-52 KIP WOB 400 - 600 PSI DIFF 5,600 - 5,800 PSI SPP 22,000 - 27,000 FT-LBS TORQUE DRILLING WINDOW 10' ABOVE / 20' BELOW *CURRENT TOOL SETTING 89.5 INC, 73.5 AZM	19,970	20,180
18:00	22:00	4.00	DPROD	DRILLING	DRILLING NEW HOLE	P	DRILLED 7-7/8" LATERAL FROM 20,180' TO 20,390' 210' AT 52.5'/HR 50 RPM 515 GPM 50-52 KIP WOB 400 - 600 PSI DIFF 5,600 - 5,800 PSI SPP 22,000 - 27,000 FT-LBS TORQUE DRILLING WINDOW 10' ABOVE / 20' BELOW *CURRENT TOOL SETTING 89.9 INC, 73.5 AZM	20,180	20,390



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From	To	Hrs	Phase	Code	Subcode	Class	Details	Start MD(ft)	End MD(ft)		
22:00	2:00	4.00	DPROD	DRILLING	DRILLING NEW HOLE	P	DRILLED 7-7/8" LATERAL FROM 20,390' TO 20,617' 227' AT 56'/HR 50 RPM 515 GPM 50-52 KIP WOB 500 - 650 PSI DIFF 5,800 - 6,000 PSI SPP 23,000 - 28,000 FT-LBS TORQUE DRILLING WINDOW 10' ABOVE / 20' BELOW *CURRENT TOOL SETTING 89.9 INC, 73.5 AZM	20,390	20,617		
2:00	3:45	1.75	DPROD	DRILLING	DRILLING NEW HOLE	P	DRILLED 7-7/8" LATERAL FROM 20,617' TO 20,846' 229' AT 57'/HR 50 RPM 515 GPM 50-52 KIP WOB 450 - 650 PSI DIFF 5,900 - 6,050 PSI SPP 23,000 - 28,000 FT-LBS TORQUE DRILLING WINDOW 10' ABOVE / 20' BELOW *CURRENT TOOL SETTING 89.9 INC, 73.5 AZM	20,617	20,846		
Total Time		21.75									

CONTACTS			SURVEY DATA (LAST 7)							
WSM	NAME	PHONE	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Night WSM	PETE BONIN	337-789-7732	20,213.0	89.16	74.01	11,032.7	3,797.4	8,809.2	9,520.9	0.22
SR. Superintendent	JASON TOWNSEND	601-520-4783	20,307.0	90.36	73.87	11,033.1	3,823.4	8,899.5	9,614.9	1.29
Field Superintendent	JOEY SIMS	432-615-8621	20,402.0	89.30	73.89	11,033.4	3,849.8	8,990.8	9,709.9	1.12
Drilling Engineer	JOEY SIMS	432-615-8621	20,496.0	89.27	74.08	11,034.6	3,875.7	9,081.1	9,803.9	0.20
Geologist	ALEX LINDBLAD	512-505-5185	20,591.0	90.62	73.95	11,034.7	3,901.9	9,172.5	9,898.9	1.43
Rig Manager	ALI SLOAN	512-505-5150	20,685.0	89.36	73.55	11,034.7	3,928.2	9,262.7	9,992.9	1.41
Drilling Tech	DANIELLE HAMER	512-505-5185	20,780.0	88.88	73.89	11,036.2	3,797.4	9,353.9	10,087.9	0.62

HOLE SECTIONS				CASING STRINGS				FIT/BOP TEST		
WB	Section	Hole OD (in)	Top MD (ft)	Bottom MD (ft)	String	Hole OD (in)	Top MD (ft)	Bottom MD (ft)	Last BOP Test	Next BOP Test
00	SURFACE	13.500	132	675	SURFACE	10.750	-4.5	664.6	Last BOP Function Test	10/24/2020
00	INTERMEDIATE 1	9.875	675	10,715	INTERMEDIATE 1	8.625	31.3	10,700.5	Last BOP Drill	11/14/2020
00	CURVE	7.875	10,715	11,681					Last FIT EMW	10/28/2020
00	PRODUCTION	7.875	11,681						Last FIT Depth	13.99

BIT RECORDS										
Bit No	Size	Model	Manufacturer	Serial No	TFA	GL	MD In	MD Out	I-O-D-L	B-G-O-R
1	13.500	SKC619M	NOV	A268388	1.17	0.75	132	675	---	---
2	9.875	RPS616	ULTERRA	51873	0.66	0.75	675	8979	8-8-WO-S	X- 1-CT-PR
3	9.875	XZ616	SMITH BITS	JV3253	0.66	0.75	8979	10,433	1-8-WO-S	X- 1-BT-PR
4	9.875	RPS616	ULTERRA	52061	0.66	0.75	10,433	10,715	0-1-CT-G	X- I-CT-TD
	7.875	CF611	ULTERRA	52116	0.72	4.00	10,714	10,714	---	---
6	7.875	MDI611	SMITH BITS	JN9872	0.72	4.00	10,714	11,881	1-1-CT-G	X- 1-NO-TD
7	7.875	DD506TX	BAKER	5311193	0.66	4.00	11,881		---	---

BIT OPERATIONS									
Bit No	Ending MD	Activity	FT Drilled	ROP	WOB min/max	RPM min/max	GPM	Accum FTG Drilled	Accum ROP
7	20,846.00	RT	1,316.00	54.8	48.0/ 52.0	40/ 50	516.0	7845	67.8



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BHA

BHA#: 7	Bit#: 7	BHA Name: LATERAL/ PRODUCTION				MD In: 11,881 ft	MD Out:	
Component	Qty	OD	ID	Length	Top Thread	Manufacturer	Description	
Drill Pipe		5.000	4.276	20,752.74	NC50 IF	RIG		
Float Sub	1	6.625	2.813	3.68	NC50 IF	ALTITUDE		
Positive Displacement Motor	1	6.625		31.20	NC50 IF	ALTITUDE		
Float Sub	1	6.500	2.875	4.33	NC50 IF	ALTITUDE	FILTER SUB	
Non-Mag Drill Collar	1	6.500	3.250	29.75	NC50 IF	ALTITUDE		
Universal BH Orienting Sub	1	6.625	3.250	3.29	NC50 IF	ALTITUDE		
Non-Mag Integral Blabe Stabilizer	1	6.500	2.813	6.52	NC50 IF	ALTITUDE		
Rotary Steerable	1	6.750		13.49	NC50 IF	ALTITUDE		
Polycrystalline Diamond Bit	1	7.875		1.00	API REG	BAKER		
					Total Length	20,846.00 ft	Total Weight	0



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MUD DATA (BUCKEYE, INC.)				TORQUE & DRAG			
Engineer:	STEVE SCHROEDER	Sand (%):	0.00	MD:	20,846 ft	PU Wt:	298.0 kip
Sample From:	IN	LGS (%):	9.67	TVD:	11,037 ft	SO Wt:	140.0 kip
Mud Type:	Oil	MBT (lbm/bbl):	N/A	Max Overpull:	40,000.0 kip	Off Btm Rot Wt:	195.0 kip
Time/ MD (ft):	05:00 / 20,112	pH:	N/A	Actual Hook Load:	195.0 kip	Drag:	103.0 kip
Density (ppg) @ Temp:	12.30 / 112.00	Pm/ Pom (cc):	0.00 / 1.90	Torque Off Btm:	16,000.0 ft-lbf		
Rheology Temp (°F):	150.00	Pf/ Mf (cc):	N/A	Torque On Btm:	28,000.0 ft-lbf		
Viscosity (s/qt):	59.00	Chlorides (ppm):	N/A				
PV/ YP (cp):	29.00 / 10.000	CaCl2 (%):	0.0000				
6/ 3 RPM:	8.00 / 7.00	Total Hardness (ppm):	N/A				
Gels 10s/10m/30m:	11.00 /21.00 /27.00	Lime (lbm/bbl):	2.46				
API WL (cc/30min):	13.0	ES:	705.0				
HTHP WL (cc/30min):	13.0	ECD:	0.00				
Cake API/ HTHP (32nd"):2.0 /2.0		H2O Added (bbl):	0.0				
Solid/ Sol Corr (%):	0.00 /22.50	Oil Added (bbl):	0.0				
Oil/ Water % (%):	81.00 /19.00						

MUD PUMPS										
Pump#	Make	Model	Eff (%)	Press (psi)	SPM (spm)	Liner ID (in)	Flowrate (gpm)	Str Disp (gal/stk)		
1	GARDENER-DENVER	PZ-11-1600	95.00	6,050.00	97.00	5.000	258.0	2.660		
2	GARDENER-DENVER	PZ-11-1600	95.00	6,050.00	97.00	5.000	258.0	2.660		
									Total	63.75

PERSONNEL				BULK CONSUMPTION			
Company Name	Qty	Man-Hrs	Material	Initial	Received	Daily Use	Daily Balance
ALTITUDE ENERGY PARTNERS LLC	0	24.00	CNG	2,052.89		1,636.00	416.89
BUCKEYE, INC.	0	12.00	DIESEL	8,514.00		2,526.00	5,988.00
HELMERICH & PAYNE INTERNATIONAL DRILL	0	132.00	OBM DIESEL	7,715.00		3,900.00	3,815.00
RUSCO OPERATING LLC	0	36.00					
TOTAL OILFIELD RENTALS, INC.	0	12.00					
WWESCO USA CORPORATION	0	24.00					
	Total	0	240.00			Total	8,062.00

INCIDENT REPORT	
Safety Incident?	N
Incident Type	Incident Comments
Days Since Last RI	
Days Since Last LTI	

COMMENTS

DAILY 3RD PARTY NPT: 0
 TOTAL 3RD PARTY NPT: 66.5
 DAILY PARSLEY NPT: 0
 TOTAL PARSLEY NPT: 0
 TOTAL PHASE NPT: 52.5
 TOTAL WELL NPT: 63.75
 PRODUCTION: WATER METER INITIAL 7,527 BBLS



DAILY DRILLING PARTNER REPORT

UTL 4546B-21-61H

Report Date: 11/03/2020

Report No: 11

Estimated Rig Move/Skid: 11/08/2020

End of Report MD/TVD:	21,565 /11,041 ft	API No:	4249534491	Rig Name:	H&P 296	AFE Category 1:	\$ 3,682,389.00
Daily Footage:	719 ft	Property No:	501665	Area:	TEXAS - WINKLER		
Rig Datum:	Rig #2 @ 2,774.00 ft	Latitude:	31.66135064	Event:	PRODUCTION	Cumulative Cost:	\$ 941,416.43
Ground Elev:	2,749.00 ft	Longitude:	-103.21387864	AFE Number:	JAG-10413D	Total Well Cost:	\$2,232,213.91

Current Operation (6:00 AM):	POH HOLDING 400 PSI ANNULAR PRESSURE AT 17,800'.
24-Hr Summary:	DRILLED 7-7/8" LATERAL FROM 20,846' TO TD AT 21,565'. PERFORMED ON BOTTOM CLEANUP CYCLE. POH HOLDING 400 PSI ANNULAR PRESSURE TO 17,800'.
24-Hr Forecast:	POH. LAY DOWN DRILL PIPE AND BHA.

OPERATIONS

From	To	Hrs	Phase	Code	Subcode	Class	Details	Start MD(ft)	End MD(ft)
6:00	10:00	4.00	DPROD	DRILLING	DRILLING NEW HOLE	P	DRILLED 7-7/8" LATERAL FROM 20,846' TO 21,073' 227' AT 56.7"/HR 50 RPM 515 GPM 50-52 KIP WOB 450 - 650 PSI DIFF 5,900 - 6,050 PSI SPP 23,000 - 28,000 FT-LBS TORQUE DRILLING WINDOW 10' ABOVE / 20' BELOW *CURRENT TOOL SETTING 89.9 INC, 73.5 AZM	20,846	21,073
10:00	14:00	4.00	DPROD	DRILLING	DRILLING NEW HOLE	P	DRILLED 7-7/8" LATERAL FROM 21,073' TO 21,302' 229' AT 57.2"/HR 50 RPM 515 GPM 50-52 KIP WOB 450 - 650 PSI DIFF 5,900 - 6,050 PSI SPP 23,000 - 28,000 FT-LBS TORQUE DRILLING WINDOW 10' ABOVE / 20' BELOW *CURRENT TOOL SETTING 90.9 INC, 73.5 AZM	21,073	21,302
14:00	18:00	4.00	DPROD	DRILLING	DRILLING NEW HOLE	P	DRILLED 7-7/8" LATERAL FROM 21,302' TO 21,525' 223' AT 56"/HR 50 RPM 515 GPM 50-52 KIP WOB 450 - 650 PSI DIFF 5,900 - 6,050 PSI SPP 23,000 - 28,000 FT-LBS TORQUE DRILLING WINDOW 10' ABOVE / 20' BELOW *CURRENT TOOL SETTING 90.9 INC, 73.5 AZM	21,302	21,525
18:00	23:30	5.50	DPROD	DRILLING	DRILLING NEW HOLE	P	PERFORMED ON BOTTOM CLEANUP CYCLE FROM 21,525' TO 21,565' SHIFTED RSS TO NEUTRAL.	21,525	21,565
23:30	0:00	0.50	DPROD	TRIPPING	FLOW CHECK/MONIT OR WELL	P	REPLACED ROTATING HEAD.	21,565	21,565
0:00	1:30	1.50	DPROD	CIRCULATE	CIRCULATE HOLE CLEAN	P	CIRULATED 1.5 BOTTOMS UP. PERFORMED FLOW CHECK. WELL STATIC.	21,565	21,565
1:30	6:00	4.50	DPROD	TRIPPING	TRIPPING OUT OF HOLE (NOT INCLUDING BHA)	P	POH HOLDING 400 PSI ANNULAR PRESSURE TO 17,800'.	21,565	21,565
Total Time	24.00								

CONTACTS

CONTACTS			SURVEY DATA (LAST 7)							
WSM	PETE BONIN	337-789-7732	MD	Incl	Azi	TVD	N-S	E-W	VS	DLS
Night WSM	JASON TOWNSEND	601-520-4783	20,969.0	88.74	73.96	11,039.6	4,006.9	9,535.5	10,276.9	0.43



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SR. Superintendent	JOEY SIMS	432-615-8621	21,063.0	89.19	74.26	11,041.3	4,032.6	9,625.9	10,370.8	0.58
Field Superintendent	JOEY SIMS	432-615-8621	21,157.0	89.89	73.86	11,042.0	4,058.4	9,716.3	10,464.8	0.86
Drilling Engineer	ALEX LINDBLAD	512-505-5185	21,252.0	90.03	73.55	11,042.1	4,085.1	9,807.5	10,559.8	0.36
Geologist	ALI SLOAN	512-505-5150	21,346.0	90.08	73.63	11,042.0	4,111.6	9,897.7	10,653.8	0.10
Rig Manager			21,441.0	90.20	73.59	11,041.8	4,138.4	9,988.8	10,748.8	0.13
Drilling Tech	DANIELLE HAMER	512-505-5185	21,521.0	90.08	73.80	11,041.6	4,006.9	10,065.6	10,828.8	0.30

HOLE SECTIONS					CASING STRINGS				FIT/BOP TEST	
WB	Section	Hole OD (in)	Top MD (ft)	Bottom MD (ft)	String	Hole OD (in)	Top MD (ft)	Bottom MD (ft)	Last BOP Test	
									Next BOP Test	11/14/2020
00	SURFACE	13.500	132	675	SURFACE	10.750	-4.5	664.6	Last BOP Function Test	10/28/2020
00	INTERMEDIATE 1	9.875	675	10,715	INTERMEDIATE 1	8.625	31.3	10,700.5	Last BOP Drill	
00	CURVE	7.875	10,715	11,681					Last FIT EMW	13.99
00	PRODUCTION	7.875	11,681	21,565					Last FIT Depth	10,724

BIT RECORDS										
Bit No	Size	Model	Manufacturer	Serial No	TFA	GL	MD In	MD Out	I-O-D-L	B-G-O-R
1	13.500	SKC619M	NOV	A268388	1.17	0.75	132	675	---	---
2	9.875	RPS616	ULTERRA	51873	0.66	0.75	675	8979	8-8-WO-S	X- 1-CT-PR
3	9.875	XZ616	SMITH BITS	JV3253	0.66	0.75	8979	10,433	1-8-WO-S	X- 1-BT-PR
4	9.875	RPS616	ULTERRA	52061	0.66	0.75	10,433	10,715	0-1-CT-G	X- I-CT-TD
	7.875	CF611	ULTERRA	52116	0.72	4.00	10,714	10,714	---	---
6	7.875	MDI611	SMITH BITS	JN9872	0.72	4.00	10,714	11,881	1-1-CT-G	X- 1-NO-TD
7	7.875	DD506TX	BAKER	5311193	0.66	4.00	11,881	21,565	---	---

BIT OPERATIONS									
Bit No	Ending MD	Activity	FT Drilled	ROP	WOB min/max	RPM min/max	GPM	Accum FTG Drilled	Accum ROP
7	21,565.00	RT	1,316.00	75.2	48.0/ 52.0	40/ 50	516.0	9161	68.8

BHA

BHA#: 7 Bit#: 7 BHA Name: LATERAL/ PRODUCTION MD In: 11,881 ft MD Out: 21,565 ft

Component	Qty	OD	ID	Length	Top Thread	Manufacturer	Description		
Drill Pipe		5.000	4.276	21,471.74	NC50 IF	RIG			
Float Sub	1	6.625	2.813	3.68	NC50 IF	ALTITUDE			
Positive Displacement Motor	1	6.625		31.20	NC50 IF	ALTITUDE			
Float Sub	1	6.500	2.875	4.33	NC50 IF	ALTITUDE	FILTER SUB		
Non-Mag Drill Collar	1	6.500	3.250	29.75	NC50 IF	ALTITUDE			
Universal BH Orienting Sub	1	6.625	3.250	3.29	NC50 IF	ALTITUDE			
Non-Mag Integral Blabe Stabilizer	1	6.500	2.813	6.52	NC50 IF	ALTITUDE			
Rotary Steerable	1	6.750		13.49	NC50 IF	ALTITUDE			
Polycrystalline Diamond Bit	1	7.875		1.00	API REG	BAKER			
Total Length							21,565.00 ft	Total Weight	0



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MUD DATA (BUCKEYE, INC.)				TORQUE & DRAG			
Engineer:	STEVE SCHROEDER	Sand (%):	0.00	MD:	21,565 ft	PU Wt:	298.0 kip
Sample From:	IN	LGS (%):	9.62	TVD:	11,041 ft	SO Wt:	140.0 kip
Mud Type:	Oil	MBT (lbm/bbl):	N/A	Max Overpull:	40,000.0 kip	Off Btm Rot Wt:	195.0 kip
Time/ MD (ft):	05:00 / 21,475	pH:	N/A	Actual Hook Load:	195.0 kip	Drag:	103.0 kip
Density (ppg) @ Temp:	12.30 / 118.00	Pm/ Pom (cc):	0.00 / 1.70	Torque Off Btm:	18,000.0 ft-lbf		
Rheology Temp (°F):	150.00	Pf/ Mf (cc):	N/A	Torque On Btm:	28,000.0 ft-lbf		
Viscosity (s/qt):	54.00	Chlorides (ppm):	N/A				
PV/ YP (cp):	29.00 / 11.000	CaCl2 (%):	0.0000				
6/ 3 RPM:	7.00 / 6.00	Total Hardness (ppm):	N/A				
Gels 10s/10m/30m:	9.00 / 16.00 / 23.00	Lime (lbm/bbl):	2.20				
API WL (cc/30min):	12.0	ES:	685.0				
HTHP WL (cc/30min):	12.0	ECD:	13.40				
Cake API/ HTHP (32nd"): 2.0 / 2.0		H2O Added (bbl):	0.0				
Solid/ Sol Corr (%):	0.00 / 22.51	Oil Added (bbl):	0.0				
Oil/ Water % (%):	82.00 / 18.00						

MUD PUMPS										
Pump#	Make	Model	Eff (%)	Press (psi)	SPM (spm)	Liner ID (in)	Flowrate (gpm)	Str Disp (gal/stk)		
1	GARDENER-DENVER	PZ-11-1600	95.00	6,000.00	97.00	5.000	258.0	2.660		
2	GARDENER-DENVER	PZ-11-1600	95.00	6,000.00	97.00	5.000	258.0	2.660		
									Total	63.75

PERSONNEL				BULK CONSUMPTION			
Company Name	Qty	Man-Hrs	Material	Initial	Received	Daily Use	Daily Balance
ALTITUDE ENERGY PARTNERS LLC	0	24.00	CNG	416.89	2,491.00	1,818.00	1,089.89
BUCKEYE, INC.	0	12.00	DIESEL	5,988.00		2,423.00	3,565.00
HELMERICH & PAYNE INTERNATIONAL DRILL	0	132.00	OBM DIESEL	3,815.00	6,940.00	5,489.00	5,266.00
RUSCO OPERATING LLC	0	36.00					
TOTAL OILFIELD RENTALS, INC.	0	12.00					
WWESCO USA CORPORATION	0	24.00					
	Total	0	240.00			Total	9,730.00

INCIDENT REPORT	
Safety Incident?	N
Incident Type	Incident Comments
Days Since Last RI	
Days Since Last LTI	0.00

COMMENTS
DAILY 3RD PARTY NPT: 0 TOTAL 3RD PARTY NPT: 63.5 DAILY PARSLEY NPT: 0 TOTAL PARSLEY NPT: 0 TOTAL PHASE NPT: 52.5 TOTAL WELL NPT: 63.75 PRODUCTION: WATER METER INITIAL 7,527 BBLS