

Daily Drilling Report
University Lands 31-2H

Job Type:										Drilling															
Well Name:		University Lands 31-2H		Date:		06/02/17		Days from Spud:		22		Report:		33		Planned TD:		18,268'							
Spud D/T:		5/10/17 14:30		Rig Name:		Trinidad 121		Rig Manager / Number:		Don/Wesley 903-239-3227/318-947-		Location:		Sec 42 Block 9, 113' FNL & 376' FWL											
Field:		Emma (Devonian)		State:		Texas		County:		Andrews		GPS:		32° 07' 53.01" & -102° 37' 13.30" NAD 83 TX-NC Zone											
Present Ops:										DRILLING LATERAL				Consultant:		Jason Hulslander/Jeff Savoy				TXRRRC Info. Job #:		822882		Deviation Surveys	
Planned TVD:		10,580'		Planned TMD:		18,268'		24 Hr Footage:		826'		Consultant #:		432-448-4922/580-729-0821				API #:		42-003-47488		Depth		Angle	
Current TVD:		10,546'		Current TMD:		14,708'		Hours Drilling:		24.00		Satellite #:		432-360-1022				AFE #:		217001					
Actual KOP:		9,860'		Actual EOC:		11,005'		24 hr NPT (hrs):		0.00		GL Elevation:		3,150'		KB:		25'		KB Elevation:		3,175'			
BOP Test:		05/24/17						Cum NPT (hrs):		25.00		Daily Well Cost (\$):		\$87,685				AFE Estimate \$:		\$3,481,500					
Next 24 hr Ops:		DRILL AHEAD IN LATERAL										Cumulative Well Cost (\$):		\$2,446,274				% AFE Spent:		70.3%					

Mud Type		Wt	Vis	Ph	Pm	Gel Str. 10/10		Daily OBM Total Vol.		WOB Min / Max		RPM Min / Max		SPM	GPS	BPS
OBM 82/18		8.5	69			8 14 18		2,085		30 35		30 50		71	3.5	0.084
		Pv	Yp	WL	Pf / Mf	Rheology 3rpm/6rpm		OBM Losses Daily/Cum		On/Off B PSI		Rot Wt		PU Wt	SO Wt	Hrs on Motor
		17	11	6		6 7		0 0		3100 2400		200 240		145	101.5	
DP/DC Volume		Solids	Chloride	Calcium	Total Hard	Btms Up	Full Circ	Diesel Added to OBM Daily/Cum		On Bottom Torq.		Off Bottom Torq.		Current Motor Description		
		7.5	35000					3000 13000		11,000		3,000		7/8 lobe 2.4 stg 1.5 true slick 0.26 rev/gal		
Annular Vol DC		Annular Vol DP	Pit Volume	Min to Bit												

Time Distribution						
Start	End	Hours	Activity Code	Description	NPT	Activity for Previous 24 Hours
6:00	9:00	3:00	2	Drill		SLD DRLG F/13,882 T/13,893 SPM 80 SPP 2600 RPM 0/65 WOB 25 DIFF 150 TF Hs, 11 ft @ 3.7 FPH
9:00	10:00	1:00	2	Drill		ROT DRLG F/13,893 T/13,923 SPM 71 SPP 2900 RPM 40/65 WOB 30 DIFF 350-500 TQ 5/8 GPM 250, 30 FT @ 30 FPH
10:00	12:00	2:00	2	Drill		SLD DRLG F/13,923 T/13,935 SPM 80 SPP 2600 RPM 0/65 WOB 25 DIFF 150 TF Hs, 12 ft @ 6 FPH
12:00	18:00	6:00	2	Drill		ROT DRLG F/13,935 T/14,236 SPM 71 SPP 2900 RPM 40/65 WOB 30 DIFF 350-500 TQ 5/8 GPM 250, 301 FT @ 50.1 FPH
18:00	22:30	4:30	2	Drill		ROT DRLG F/14,236 T/14,446 SPM 71 SPP 2900 RPM 30/65 WOB 30 DIFF 350-450 TQ 5/8 GPM 250, 210 FT @ 46.6 FPH
22:30	1:00	2:30	2	Drill		SLD DRLG F/14,446 T/14,456 SPM 80 SPP 2600 RPM 0/65 WOB 25 DIFF 150 TF 90R, 10 ft @ 4 FPH
1:00	6:00	5:00	2	Drill		ROT DRLG F/14,456 T/14,708 SPM 71 SPP 3100 RPM 30/65 WOB 35 DIFF 350-450 TQ 5/11 GPM 250, 252 FT @ 50.4 FPH

Bit Summary														
Bit #	Size	Mfg	Type	SN	Jets	Daily Hrs	Daily Ftg	In	Out	Cum/Total Ftg	Total Hrs	ROP	Comments	
1	17 1/2	Hughes	DP605S	7036661	10-14's			105'	1,653'	1,653'	16.5	100.2		
2	12 1/4	Hughes	TD606FX	7162904	6-16's			1,653'	5,850'	4,197'	63	66.6		
3	8 3/4	Smith	MDSI716	JM3921	7X15			5,850'	9,820'	3,970'	57	69.6		
4	8 3/4	Ulterra	U516M	26946	5X16			9,820'	10,564'	635'	40.5	15.7		
5	6 1/8	NOV	E613	A223686	1X12 5X16			10,564'	10,683'	119'	10	11.9		
6	6 1/8	BAKER	DPD407X	7156221	3X16 4X12			10,683'	11,435'	752'	24.5	30.7		
7	6 1/8	BAKER	TD406FX	7163286	3X12 3X16	24	826'	11,435'		3,273'	92.5	35.4		
8														
9														
10														
Bit # Grading		Inner	Outer	Dull Char		Location	Bearing	Other	Gauge	Reason Pulled		Comments		
BHA Summary											BHA #	7	BHA Hours	77.5
Item	Description			Length	OD	ID	Conn Up	Box	Pin	Top to Bit	Equipment Description			
Bit	BAKER 6-1/8 PDC			0.8'	6.1'	1.0'			3-1/2 REG	0.81	BAKER PDC 6.125 TD406FX			
Mud Motor	BICO MUD MTR			29.7'	5.0'	1.0'		3-1/2IF	3-1/2 REG	30.47	7/8 lobe 2.4 stg 1.5 true slick 0.26 rev/gal			
SUB	SHOCKMISER			3.3'	4.8'	2.4'		3-1/2IF	3-1/2IF	33.74	UBHO			
NMDC	NONMAG DC			30.7'	4.8'	2.7'		3-1/2IF	3-1/2IF	64.48	no mag drill collar			
NMDC	FLEX			30.5'	3.8'	2.7'		3-1/2IF	3-1/2IF	94.97	non mag flex collar			
SUB	XO			3.0'	4.9'	2.6'		XT39	3-1/2IF	98.01	cross over sub			