

Daily Drilling Report
University Lands 31-2H

Job Type: Drilling																	
Well Name:	University Lands 31-2H			Date:	06/07/17		Days from Spud:	27		Report:	38		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			TXRR Info. Job #:	822882		Deviation Surveys			
Planned TVD:	10,580'		Planned TMD:	18,268'		24 Hr Footage:	815'		Consultant #:	432-448-4922/580-729-0821			API #:	42-003-47488		Depth	Angle
Current TVD:	10,541'		Current TMD:	18,050'		Hours Drilling:	22.00		Satellite #:	432-360-1022			AFE #:	217001			
Actual KOP:	9,860'		Actual EOC:	11,005'		24 hr NPT (hrs):	1.50		GL Elevation:	3,150'		KB:	25'		KB Elevation:	3,175'	
BOP Test:	05/24/17					Cum NPT (hrs):	26.50		Daily Well Cost (\$):	\$66,553		AFE Estimate \$:	\$3,481,500				
Next 24 hr Ops:	DRILL LATERAL TO TD						Cumulative Well Cost (\$):	\$2,779,988		% AFE Spent:	79.9%						
Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10	Daily OBM Total Vol.		WOB Min / Max		RPM Min / Max		SPM	GPS	BPS			
OBM 79/21	8.6	74			9 13 17	2,044		30/35	45/135		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					
	16	11	4		6 7	243	243	3800	3200	200	250	140	59.5				
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					
	8.6	43000					4586	27175	12,000	8,000		7/8 lobe 3.8 stg 1.5 true slick 0.52 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	11:30	5:30	2	Drill		ROT DRLG F/17,235 T/17,475 SPM 67 SPP 3800 RPM 65/119 WOB 25 DIFF 250-350 TQ 9/12 GPM 230, 240 FT @ 43.6 FPH PUMPING LCM SWEEPS
11:30	13:30	2:00	2	Drill		SLD DRLG F/17,475 T/17,490 SPM 67 SPP 3550 RPM 0/119 WOB 31 DIFF 150 TF 170L, 15 ft @ 7.5 FPH PUMPING LCM SWEEPS
13:30	17:00	3:30	2	Drill		ROT DRLG F/17,490 T/17,644 SPM 67 SPP 3800 RPM 65/119 WOB 25 DIFF 250-350 TQ 9/12 GPM 230, 154 FT @ 44 FPH PUMPING LCM SWEEPS
17:00	17:30	0:30	7	Lubricate Rig		RIG SERVICE
17:30	18:00	0:30	2	Drill		ROT DRLG F/17,644 T/17,654 SPM 67 SPP 3800 RPM 65/119 WOB 25 DIFF 250-350 TQ 9/12 GPM 230, 10 FT @ 20 FPH PUMPING LCM SWEEPS
18:00	0:30	6:30	2	Drill		ROT DRLG F/17,654 T/17,937 SPM 67 SPP 3800 RPM 65/119 WOB 25 DIFF 250-350 TQ 9/12 GPM 230, 283 FT @ 43.5 FPH PUMPING LCM SWEEPS
0:30	2:00	1:30	8	Repair Rig	⊖	TROUBLE SHOOT MWD TOOL NO SIGNAL
2:00	6:00	4:00	2	Drill		ROT DRLG F/17,937 T/18050 SPM 67 SPP 3800 RPM 65/119 WOB 25 DIFF 250-350 TQ 9/12 GPM 230, 113 FT @ 28.5 FPH PUMPING LCM SWEEPS

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	SURFACE BIT -TD						
2	12 1/4	Hughes	TD606FX	7162904	6-16's			1,653'	5,850'	4,197'	63	66.6	1ST ITERM.-TD						
3	8 3/4	Smith	MDSI716	JM3921	7X15			5,850'	9,820'	3,970'	57	69.6	VERT BIT-PR						
4	8 3/4	Ulterra	U516M	26946	5X16			9,820'	10,564'	635'	40.5	15.7	VERT / CURVE-TD						
5	6 1/8	NOV	E613	A223686	1X12 5X16			10,564'	10,683'	119'	10	11.9	CURVE-PR						
6	6 1/8	BAKER	DPD407X	7156221	3X16 4X12			10,683'	11,435'	752'	24.5	30.7	CURVE/ LATERAL-MTR						
7	6 1/8	BAKER	TD406FX	7163286	3X12 3X16			11,435'	16,016'	4,581'	129.5	35.4	LATERAL-MTR						
8	6 1/8	BAKER	TD407HX	7155917	4x12 3x18	22	815'	16,016'		2,034'	56	36.3	LATERAL						
9																			
10																			
Bit # Grading		Inner	Outer	Dull Char		Location	Bearing	Other	Gauge	Reason Pulled		Comments							
BHA Summary												BHA #	8	BHA Hours	59.5				
Item	Description			Length	OD	ID	Conn Up	Box	Pin	Top to Bit	Equipment Description								
Bit	BAKER 6-1/8 PDC			0.7'	6.1'	1.0'			3-1/2 REG	0.67	BAKER PDC 6.125 TD406FX								
Mud Motor	NOV MUD MOTOR			24.0'	5.0'	1.0'		3-1/2IF	3-1/2 REG	24.62	7/8 lobe 3.8 stg 1.5 true slick 0.52 rev/gal								
SUB	SHOCKMISER			3.3'	4.8'	2.4'		3-1/2IF	3-1/2IF	27.91	UBHO								
NMDC	NONMAG DC			30.7'	4.8'	2.7'		3-1/2IF	3-1/2IF	58.65	no mag drill collar								
NMDC	FLEX			30.5'	3.8'	2.7'		3-1/2IF	3-1/2IF	89.14	non mag flex collar								
SUB	XO			3.0'	4.9'	2.6'		XT39	3-1/2IF	92.18	cross over sub								
	75 Jts Drill Pipe			2,360.3'	4.0'	2.7'		XT39	XT39	2452.44	75 Jts DP								
	Agitator			15.6'	4.9'	3.3'		XT39	XT39	2468.07	Agitator								
	186 Jts DP			5,852.3'	4.0'	2.7'		XT39	XT39	8320.38	186 Jts DP								
HWDP	30 Jts HWDP			922.3'	4.0'	2.6'		XT39	XT39	9242.68	30 Jts HWDP								
Total / Max / Min:				9,242.7'	6.1'	1.0'													
Drill String										Size	Weight	Grade	Connection	Jts in Hole	Length	Jts on Location	Total String Vol. (bbls)	Loads Fresh Water Hauled	
DP (bottom)										4"	14.0	S135	XT39	261	8,212.57'	580		Vol. Fresh Water Hauled (bbls)	
DP (middle)										4"	28.0	HWDP	XT39	30	922.30'	90		Loads Brine Water Hauled	
DP (top)										4"	14.0	S135	XT39	280	8,810.00'	580		Vol. Brine Water Hauled (bbls)	
	Assumed Eff.	Type	Liner OD	Length	SPM	GPS	GPM	BPS	BPM	Pressure	SPR - Depth	SPR - SPM	SPR - PSI	Fuel Delivered in Last 24 Hrs (gal)		3,800			
Pump #1	95%	HHF1600	5.5	12	71	3.5	250	0.084	5.5	3,800	17,549'	40	1900	Total Fuel on Hand (gal)		7,879			
Pump #2	95%	HHF1600	5.5	12	0	3.5	0	0.084											
	OD	ID	Length w/Shoe	# of Jts	Weight	Grade	Depth Set	Thread	Date Set	Centralizers	TOC	Comments							
Conductor	20	19.124	95.00'	4	94	J-55	100.00'	WELD	03/18/17	0	0'	READY MIX TO SURFACE							
Surface	13 3/8	12.615	1,644.50'	39	54.5	J-55	1,642.00'	BTC	05/11/17	10	0'	205 BBL'S OF GOOD CEMENT TO SURFACE							
1st Intermediate	9 5/8	8.835	5,838.00'	137	40	HCL-40	5,840.00'	LT&C	05/17/17	10		100 BBL'S 1ST STAGE CEMENT TO SURFACE, 0 BBL'S 2ND STAGE							
2nd Intermediate	7"	6.261	10,543.00'	236	26	HCL-80	10,543.00'	LTC	05/25/17	0	0'	110 BBL BACK TO SURFACE ON STAGE #2							
Production																			
Daily Cost Summary																			
Code	Code Description				Carryover	Vendor				Item Description				Total Daily					
329	Company Consulting/Supv				Y	CD Consulting				Drill Site Supervision				\$1,700					
329	Company Consulting/Supv				Y	Tillman & Associates Consulting, LLC				Drill site supervision				\$1,700					
305	Drilling - Daywork				Y	Trinidad Drilling				Rig Day Rate				\$15,000					
333	Communications				Y	Infrastructure Networks				Communication , Internet & Phones				\$170					
343	Camps & Trailers				Y	Solid LiberyServices, LLC				Camp Trailers Offices Septic Water Tanks Trash Skid Generator				\$900					
331	Fluids				Y	AES Drilling Fluids				Drilling Fluids Cost				\$9,415					
312	Tool & Equipment Rental				Y	Midland Safety and Health Sales				H2S Monitoring System				\$280					
312	Tool & Equipment Rental				Y	Cutter				Rothead Equip & Orbit Valve				\$120					
312	Tool & Equipment Rental				Y	Sprayberry Production Services LLC				Frac Tanks , Premix Tank, Trash Pumps				\$600					
312	Tool & Equipment Rental				Y	National Oilwell Varco, LP (TOTCO)				Totco EDR				\$300					
312	Tool & Equipment Rental				Y	Kenny Torres Welding Services				Flare Igniter				\$25					
310	Directional Services				Y	VON Directional Services				Directional Services				\$7,853					
312	Tool & Equipment Rental				Y	Johnson Specialty Tools				Oil Containment				\$200					
315	Mud Logging & Geologist				Y	Diversified Well Logging, LLC				Mud Logging				\$1,000					
312	Tool & Equipment Rental				Y	Weir Seaboard				Choke and Panel				\$100					
350	Environmental Services - Water/Mud Disposal				Y	National Oilwell Varco, LP (NOV Fluid Control)				Cuttings Dryer, Centrifuge ,trackhoe, screen washer, 3-cuttings boxes				\$2,200					
312	Tool & Equipment Rental				Y	J&W SERVICES				VBR's and spacer spool				\$195					
322	Downhole Tools & Service				Y	Oil Patch Group, Inc.				4" DP , HANDLING TOOLS & 4" HWDP (CATCH UP COST FROM THE 26TH)				\$2,290					
350	Environmental Services - Water/Mud Disposal					Classic Oilfield Services				Cuttings haul off (14 loads total for well)				\$2,000					
313	Fuel & Power					Cactus Fuel				Rig Fuel 3800gals				\$7,636					
313	Fuel & Power					Cactus Fuel				Mud Diesel				\$6,819					