Greystone Petroleum, LLC

Daily Drilling Report
University Lands 31-2H

Job Type: Drilling

Well Name:	University Lands 31-2H	**Date:**	06/04/17	**Days from Spud:**	24	**Report:**	35	**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:	Tripping LD BHA			**Consultant:**	Jason Hulslander/Jeff Savoy	**TXRRC Info. Job #:**	822882	**Deviation Surveys**	
Planned TVD:	10,580'	**Planned TMD:**	18,268'	**24 Hr Footage:**	438'	**Consultant #:**	432-448-4922/580-729-0821	**API #:**	42-003-47488	**Depth**	**Angle**
Current TVD:	10,536'	**Current TMD:**	16,016'	**Hours Drilling:**	13.50	**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 ($):**	$60,161	**AFE Estimate $:**	$3,481,500		
Next 24 hr Ops:	TIH with BHA#8					**Cumulative Well Cost ($):**	$2,572,968	**% AFE Spent:**	73.9%		

Mud Type	**Wt**	**Vis**	**Ph**	**Pm**	**Gel Str. 10/10**	**Daily OBM Total Vol.**
	8.6	72			9 17 19	2,103
OBM 80/20	**Pv**	**Yp**	**WL**	**Pf / Mf**	**Rhealogy 3rpm/6rpm**	**OBM Losses Daily/Cum**
	18	14	4		7 8	
DP/DC Volume	**Solids**	**Chloride**	**Calcium**	**Total Hard**	**Btms Up** / **Full Circ**	**Diesel Added to OBM Daily/Cum**
	8.5	37000				2500

Annular Vol DC	**Annular Vol DP**	**Pit Volume**	**Min to Bit**

WOB Min / Max	**RPM Min / Max**	**SPM**	**GPS**	**BPS**
30 35	30 70	79	3.5	0.084
On/Off B PSI		**Rot Wt** / **PU Wt**	**SO Wt**	**Hrs on Motor**
3600 3000		205 245	140	138.5
On Bottom Torq.	**Off Bottom Torq.**	**Current Motor Description**		
12,000	3,000	7/8 lobe 2.4 stg 1.5 true slick 0.26 rev/gal		

Time Distribution

Start	End	Hours	Activity Code	Description	NPT	Activity for Previous 24 Hours
6:00	7:00	1:00	2	Drill		SLD DRLG F/15,578 T/15,583 SPM 80 SPP 2600 RPM 0/65 WOB 25 DIFF 150 TF 120L, 5 ft @ 5.0 FPH
7:00	9:30	2:30	2	Drill		ROT DRLG F/15,583 T/15,665 SPM 71 SPP 3100 RPM 70/65 WOB 30 DIFF 350-450 TQ 5/11 GPM 250, 82 FT @ 41 FPH
9:30	11:00	1:30	2	Drill		SLD DRLG F/15,665 T/15,672 SPM 80 SPP 2600 RPM 0/65 WOB 25 DIFF 150 TF 130L, 7 ft @ 4.6 FPH
11:00	17:30	6:30	2	Drill		ROT DRLG F/15,672 T/15,934 SPM 79 SPP 3600 RPM 65/65 WOB 30 DIFF 350-450 TQ 5/11 GPM 275, 262 FT @ 40.3 FPH
17:30	18:00	0:30	7	Lubricate Rig		RIG SERVICE
18:00	20:00	2:00	2	Drill		ROT DRLG F/15,934 T/16,016 SPM 79 SPP 3600 RPM 65/65 WOB 30 DIFF 350-450 TQ 5/11 GPM 275, 82 FT @ 41 FPH
20:00	22:30	2:30	5	Cond. & Circ.		PUMP 2 - 20 BBL HIGH VIS SWEEPS RECIP @ 70 RPM 280 GPM ,
22:30	1:30	3:00	6	Trips		POOH 10 STNDS WET, PUMP SLUG POOH FOR NEW BHA ,
1:30	2:00	0:30	21	Other		PULL ROT HEAD INSTALL TRIP NIPPLE
2:00	5:00	3:00	6	Trips		CONTINUE TO POOH
5:00	6:00	1:00	20	Dir. Work		LD BHA, MWD, MTR & BIT

Accidents in Last 24 Hrs: NONE

General Comments

100% LIME STONE CONN 2500 MAX 3700 BG 600-2500

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	13.5	438'	11,435'	16,016'	4,581'	129.5	35.4	
8													
9													
10													

Bit # Grading	Inner	Outer	Dull Char	Location	Bearing	Other	Gauge	Reason Pulled	Comments

BHA Summary

BHA # 7 | BHA Hours 138.5

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
	Total / Max / Min:	98.0'	6.1'	1.0'					

Drill String	Size	Weight	Grade	Connection	Jts in Hole	Length	Jts on Location	Total String Vol. (bbls)
DP (bottom)	4"	14.0	S135	XT39	261	8,212.57'	580	
DP (middle)	4"	28.0	HWDP	XT39	30	922.30'	90	
DP (top)	4"	14.0	S135	XT39	216	6,795.98'	580	

Loads Fresh Water Hauled	
Vol. Fresh Water Hauled (bbls)	
Loads Brine Water Hauled	
Vol. Brine Water Hauled (bbls)	
Fuel Delivered in Last 24 Hrs (gal)	
Total Fuel on Hand (gal)	8,626

	Assumed Eff.	Type	Liner OD	Length	SPM	GPS	GPM	BPS	BPM	Pressure	SPR - Depth	SPR - SPM	SPR - PSI
Pump #1	95%	HHF1600	5.5	12	71	3.5	250	0.084	5.5	3,600	15,839'	40	1400
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	$1,650
329	Company Consulting/Supv	Y	Tillman & Associates Consulting, LLC	Drill site supervision	$1,650
305	Drilling - Daywork	Y	Trinidad Drilling	Rig Day Rate	$15,000
333	Communications	Y	Infrastucture 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	Zia Fluids	Drilling Fluids Cost	$7,648
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 Contro	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
313	Fuel & Power		Cactus Fuel	MUD DIESEL 6231 GALS	$12,511

Daily Mud Cost:	$7,648	Cumulative Mud Cost:	$133,973	Daily NPT (hrs):	0.00	Total:	$54,692
Daily Well Cost:	$60,161	Cumulative Well Cost:	$2,572,968	Cumulative NPT (hrs):	25.00	Estimated Taxes:	$5,469
AFE Cost Estimate:	$3,481,500	AFE $ Remaining:	$908,532				