Greystone Petroleum, LLC

Daily Drilling Report
University Lands 31-2H

								Job Type:			Drilling
Well Name:	University Lands 31-2H	**Date:**	5/17/2017	**Days from Spud:**	6	**Report:**	17	**Planned TD:**	18,268'		
Spud D/T:	5/10/17 14:30	**Rig Name:**	Trinidad 121	**Rig Manager / Number:**	Don/Wesley 903-239-3227/318-94	**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:	RIGGING DOWN CEMENT CREW			**Consultant:**	David Crow / Jeff Savoy	**TXRRC Info. Job #:**	822882	**Deviation Surveys**			
Planned TVD:	10,580'	**Planned TMD:**	18,268'	**24 Hr Footage:**	-5,850'	**Consultant #:**	432-448-4922/580-729-0821	**API #:**	42-003-47488	**Depth**	**Angle**
Current TVD:		**Current TMD:**		**Hours Drilling:**	0.00	**Satellite #:**	432-360-1022	**AFE #:**	217001		
Planned KOP:		**Planned EOC:**		**24 hr NPT (hrs):**	0.00	**GL Elevation:**	3,150'	**KB:** 25'	**KB Elevation:**	3,175'	
BOP Test:	5/12/2017			**Cum NPT (hrs):**	23.50	**Daily Well Cost ($):**	$303,188	**AFE Estimate $:**	$3,481,500		
Next 24 hr Ops:	FINISH CEMENT CREW RIG DOWN, PACKOFF MANDREL, PU & MU DIR BHA					**Cumulative Well Cost ($):**	$1,159,381	**% AFE Spent:**	33.3%		

Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10	Daily OBM Total Vol.
	Pv	**Yp**	**WL**	**Pf / Mf**	**Rhealogy 3rpm/6rpm**	**OBM Losses Daily/Cum**
DP/DC Volume	**Solids**	**Chloride**	**Calcium**	**Total Hard**	**Btms Up / Full Circ**	**Diesel Added to OBM Daily/Cum**
Annular Vol DC	**Annular Vol DP**	**Pit Volume**	**Min to Bit**			

WOB Min / Max	RPM Min / Max	SPM	GPS	BPS
On/Off B PSI	**Rot Wt / PU Wt**	**SO Wt**	**Hrs on Motor**	
On Bottom Torq.	**Off Bottom Torq.**	**Current Motor Description**		

Time Distribution

Start	End	Hours	Activity Code	Description	NPT	Activity for Previous 24 Hours
6:00	8:00	2:00	5	Cond. & Circ.		ROTATE & CIRCULATE HOLE CLEAN, SPOT 80 BBL STARCH PILL.
8:00	12:00	4:00	6	Trips		TOOH.
12:00	14:00	2:00	20	Dir. Work		LD 8' DC'S, LD BHA #2.
14:00	16:00	2:00	21	Other		PULL WEAR BUSHING, CLEAR & CLEAN RIG FLOOR, MOVE IN & SPOT / RIG UP CSG CREW, HOLD PJSM WITH RIG CREW, CSG CREW & TOOL HAND.
16:00	18:00	2:00	12	Csg & Cmt		RUN 137 JT'S OF 9 5/8, 40#, HCL-40, LT&C, FLOAT SHOE AT=5838', FLOAT JOINT=42.14', FLOAT COLLAR AT=5794', ECP AT=3490', HYD DV TOOL AT=3487
18:00	18:30	0:30	5	Cond. & Circ.		STOP AT SURFACE CSG SHOE & CIRCULATE BOTTOMS UP.
18:30	23:30	5:00	12	Csg & Cmt		FINISH RUNNING 9 5/8 CSG.
23:30	1:00	1:30	5	Cond. & Circ.		CSG LANDNED ON GE MANDREL & CIRCULATING AT 00.00 ON 5/18/17, CIRCULATE WHILE RIGGING UP CEMENT CREW.
1:00	1:30	0:30	21	Other		HOLD PJSM WITH RIG CREW, CEMENT CREW & TOOL HAND.
1:30	6:00	4:30	12	Csg & Cmt		PRESSURE TEST PUMP & LINES TO 3000 PSI, PUMP 20 BBL FRESH WATER SPACER AHEAD, START & FINISH 450 SKS OR 194 BBL'S OF 11.8#, 2.42 YIELD LE
			12	Csg & Cmt		START & FINISH 250 SKS OR 56 BBL'S OF 14.4#, 1.24 YIELD TAIL CEMENT, SHUT DOWN & DROP PLUG, DISPLACE SAME WITH 440 BBL'S OF FRESH WATER
			12	Csg & Cmt		BUMP PLUG WITH 1560 PSI, WALK PRESSURE UP & OPEN ECP WITH 2800 PSI, CHECK FLOATS, BLEED BACK 2 BBL'S
			12	Csg & Cmt		PLUG DOWN & HOLDING AT 03.30 5/18/17, DROP DV TOOL OPENING PLUG & WAIT FOR 18 MIN, OPEN DV TOOL WITH 750 PSI,
			12	Csg & Cmt		CIRCULATE 25 BBL'S WITH CEMENT TRUCK, MAKE READY TO GO INTO 2ND STAGE, START & FINISH 740 SKS OR 319 BBL'S OF 11.8#, 2.42 YIELD
			12	Csg & Cmt		LEAD CEMENT, START & FINISH 250 SKS OR 56 BBL OF 14.4#, 1.24 YIELD TAIL CEMENT, SHUTDOWN & DROP PLUG, DISPLACE SAME WITH 292 BBL'S
			12	Csg & Cmt		BUMP PLUG WITH 600 PSI, WALK PRESSURE UP TO 2000 PSI, CLOSE DV TOOL, CHECK FLOATS, BLEED BACK 2 BBL'S, PLUG DOWN & HOLDING AT
			12	Csg & Cmt		06.00 ON 5/18/17, 100 BBL'S OF CEMENT TO SURFACE ON 1ST STAGE, 0 BBL'S OF CEMENT TO SURFACE ON 2ND STAGE

Accidents in Last 24 Hrs: NONE

General Comments

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													
4													
5													
6													
7													
8													
9													
10													

Bit # Grading	Inner	Outer	Dull Char	Location	Bearing	Other	Gauge	Reason Pulled	Comments
2	3	6	BT,CT,LT	S&G	NONE	NONE	X	TD	

BHA Summary

BHA #		BHA Hours	

Item	Description	Length	OD	ID	Conn Up	Box	Pin	Top to Bit	Equipment Description
	Total / Max / Min:	0.0'	0.0'	0.0'					

Drill String	Size	Weight	Grade	Connection	Jts in Hole	Length	Jts on Location	Total String Vol. (bbls)
DP (bottom)	5	19.5	135	4-1/2 If		4,941.89'	371	
DP (middle)								
DP (top)								

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)	

	Assumed Eff.	Type	Liner OD	Length	SPM	GPS	GPM	BPS	BPM	Pressure	SPR - Depth	SPR - SPM	SPR - PSI
Pump #1	95%	HHF1600	6	12		4.186		0.0996					
Pump #2	95%	HHF1600	6	12		4.186		0.0996					

	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		0	0'	READY MIX TO SURFACE
Surface	13 3/8	12.615	1,644.50'	39	54.5	J-55	1,642.00'	BTC	5/11/2017	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	5/17/2017	10		100 BBL'S 1ST STAGE CEMENT TO SURFACE, 0 BBL'S 2ND STAGE
2nd Intermediate												
Production												

Daily Cost Summary

Code	Code Description	Carryover	Vendor	Item Description	Total Daily
329	Company Consulting/Supv	Y	Tillman & Associates Consulting, LLC	Drill Site Supervision	$1,650
329	Company Consulting/Supv	Y	505 Consulting	Drill Site Supervision	$1,750
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	$1,090
331	Fluids	Y	Zia Fluids	Drilling Fluids Cost	$8,885
312	Tool & Equipment Rental	Y	Midland Safety and Health Sales	H2S Monitoring System	$280
312	Tool & Equipment Rental	Y	Cutter	Rothead Equip	$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	$7,860
322	Downhole Tools & Service	N	National Oilwell Varco, LP Downhole tools	17.5 Hole Section Mud Motor	$4,895
347	Miscellaneous	N	Weatherford	9 5/8 Float Equipment	$29,060
403	Casing - Intermediate	N	Bourland & Leverich Supply Co L.L.C.	5850' Of 9 5/8 40#, HCL-80, LT&C	$195,000
311	Casing Crew	N		Run 137 JT's Of 9 5/8 CSG	$8,940

Daily Mud Cost:	$8,885	Cumulative Mud Cost:	$34,818	Daily NPT (hrs):	0.00	Total:	$275,625
Daily Well Cost:	$303,188	Cumulative Well Cost:	$1,159,381	Cumulative NPT (hrs):	23.50	Estimated Taxes:	$27,563
AFE Cost Estimate:	$3,481,500	AFE $ Remaining:	$2,322,119				