



Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10			Daily OBM Total Vol.			WOB Min / Max		RPM Min / Max		SPM	GPS	BPS		
WBM Brine	10	30	10.5	0.2	2 1 1						25/35		70/80		140	4.186	0.0996		
	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			
	2	1		.2 .5	1		1				1200		2000			50.5			
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					
	0	189000		2000						14k		3k							
Annular Vol DC	Annular Vol DP	Pit Volume	Min to Bit																

Accidents in Last 24 Hrs:	
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	23.5	1,151'	1,653'		3,803'	50.5	75.3		
3														
4														
5														
6														
7														
8														
9														
10														
Bit # Grading		Inner	Outer	Dull Char		Location	Bearing	Other	Gauge	Reason Pulled		Comments		
BHA Summary											BHA #	2	BHA Hours	
Item	Description			Length	OD	ID	Conn Up	Box	Pin	Top to Bit	Equipment Description			
Bit	Hughes PDC TD606FX			1.5'	12.3'	2.0'			6-5/8 reg	1.5				
Mud Motor	7/8 4.0 FBH@1.5deg 12nbs .17rev			28.6'	8.0'	1.0'		6-5/8 reg	6-5/8 reg	30.05				
STAB	Nortrac 12"			7.8'	8.1'	2.9'		6-5/8 reg	6-5/8 reg	37.8				
SUB	UBHO			3.3'	8.0'	3.5'		6-5/8 reg	6-5/8 reg	41.1				
NMDC	NONMAG DC			30.7'	8.0'	3.3'		6-5/8 reg	6-5/8 reg	71.83				
NMDC	NONMAG Pony DC			15.1'	8.1'	2.8'		6-5/8 reg	6-5/8 reg	86.9				
STAB	Nortrac 12"			8.1'	8.1'	2.9'		6-5/8 reg	6-5/8 reg	94.95				
X/O	cross over			2.2'	7.9'	2.9'		NC56	6-5/8 reg	97.1				
8" DC	2-8" Drill Collars			60.9'	8.0'	3.0'		NC56	NC56	157.95				
X/O	cross over			3.4'	7.9'	2.9'		4-1/2XH	NC56	161.35				
6 1/2" DC	18-6-1/2" Drill collars			535.4'	6.5'	2.9'		4-1/2XH	4-1/2XH	696.8				
X/O	cross over			4.0'	6.4'	2.2'		4-1/2IF	4-1/2XH	700.7				
5" HWDP	9 HWDP			273.0'	5.0'	3.0'		4-1/2IF	4-1/2IF	973.78				
Total / Max / Min:				973.7'	12.3'	1.0'								
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	98	4,482.98'	371						
DP (middle)														
DP (top)														
	Assumed Eff.	Type	Liner OD	Length	SPM	GPS	GPM	BPS	BPM	Pressure	SPR - Depth	SPR - SPM	SPR - PSI	
Pump #1	95%	HHF1600	6	12	70	4.186	334	0.0996	7.9	2,000				
Pump #2	95%	HHF1600	6	12	70	4.186	334	0.0996	7.9	2,000				
	OD	ID	Length w/Shoe	# of Jts	Weight	Grade	Depth Set	Thread	Date Set	Centralizers	TOC	Comments		
Conductor														
Surface														
1st Intermediate														
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	New Tech Global			Drill site supervision				\$1,750		
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				\$1,090		
331	Fluids			Y	Zia Fluids			drilling Fluids cost				\$2,069		
312	Tool & Equipment Rental			Y	Midland Safety and Health Sales			H2S monitoring system				\$280		
322	Downhole Tools & Service			Y	National Oilwell Varco, LP Downhole tools			Flo drift survey sub				\$1,000		
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				\$7,785		
309	Bits				Baker Hughes			12-1/4 bit TD606FX				\$12,500		



Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10				Daily OBM Total Vol.				WOB Min / Max		RPM Min / Max		SPM	GPS	BPS			
WBM Brine	10	30	10	0.2	1 1								35		80		140	4.186	0.0996			
	Pv	Yp	WL	Pf / Mf	Rhealogy 3rpm/6rpm				OBM Losses Daily/Cum				On/Off B PSI		Rot Wt		PU Wt	SO Wt	Hrs on Motor			
	2	1		.25	1		1						2000		1200		230	240	220	71.5		
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					
	0	189000	1200	1200									17k		7k							
Annular Vol DC	Annular Vol DP	Pit Volume	Min to Bit																			

Accidents in Last 24 Hrs:	NONE
General Comments	
notified TXRRC of 9-5/8 csg run and cement talked to Mary job #(82760)	

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	12.5	394'	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		
BHA Summary											BHA #	2	BHA Hours	
Item	Description			Length	OD	ID	Conn Up	Box	Pin	Top to Bit	Equipment Description			
Bit	Hughes PDC TD606FX			1.5'	12.3'	2.0'			6-5/8 reg	1.5				
Mud Motor	7/8 4.0 FBH@1.5deg 12nbs .17rev			28.6'	8.0'	1.0'		6-5/8 reg	6-5/8 reg	30.05				
STAB	Nortrac 12"			7.8'	8.1'	2.9'		6-5/8 reg	6-5/8 reg	37.8				
SUB	UBHO			3.3'	8.0'	3.5'		6-5/8 reg	6-5/8 reg	41.1				
NMDC	NONMAG DC			30.7'	8.0'	3.3'		6-5/8 reg	6-5/8 reg	71.83				
NMDC	NONMAG Pony DC			15.1'	8.1'	2.8'		6-5/8 reg	6-5/8 reg	86.9				
STAB	Nortrac 12"			8.1'	8.1'	2.9'		6-5/8 reg	6-5/8 reg	94.95				
X/O	cross over			2.2'	7.9'	2.9'		NC56	6-5/8 reg	97.1				
8" DC	2-8" Drill Collars			60.9'	8.0'	3.0'		NC56	NC56	157.95				
X/O	cross over			3.4'	7.9'	2.9'		4-1/2XH	NC56	161.35				
6 1/2" DC	18-6-1/2" Drill collars			535.4'	6.5'	2.9'		4-1/2XH	4-1/2XH	696.8				
X/O	cross over			4.0'	6.4'	2.2'		4-1/2IF	4-1/2XH	700.7				
5" HWDP	9 HWDP			273.0'	5.0'	3.0'		4-1/2IF	4-1/2IF	973.78				
Total / Max / Min:				973.7'	12.3'	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)		5	19.5	135	4-1/2 If	108	4,941.89'	371			Vol. Fresh Water Hauled (bbls)			
DP (middle)											Loads Brine Water Hauled			
DP (top)											Vol. Brine Water Hauled (bbls)			
	Assumed Eff.	Type	Liner OD	Length	SPM	GPS	GPM	BPS	BPM	Pressure	SPR - Depth	SPR - SPM	SPR - PSI	
Pump #1	95%	HHF1600	6	12	70	4.186	334	0.0996	7.9	2,000				
Pump #2	95%	HHF1600	6	12	70	4.186	334	0.0996	7.9	2,000				
	OD	ID	Length w/Shoe	# of Jts	Weight	Grade	Depth Set	Thread	Date Set	Centralizers	TOC	Comments		
Conductor														
Surface														
1st Intermediate														
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	New Tech Global			Drill site supervision				\$1,750		
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				\$1,090		
331	Fluids			Y	Zia Fluids			drilling Fluids cost				\$1,328		
312	Tool & Equipment Rental			Y	Midland Safety and Health Sales			H2S monitoring system				\$280		
322	Downhole Tools & Service			Y	National Oilwell Varco, LP Downhole tools			Flo drift survey sub				\$1,000		
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		
313	Fuel & Power				Cactus Fuel			rig fuel 7200 Gals				\$13,734		
337	Inspections				Del's Inspection Service Company, LLC			inspect damaged 5" DP & HWDP				\$754		
343	Camps & Trailers				Solid LiberyServices, LLC			dump septic				\$375		
					</									



**Job Type:**

## Drilling

<b>Well Name:</b>	University Lands 31-2H	<b>Date:</b>	5/6/2017	<b>Days from Spud:</b>	0	<b>Report:</b>	6	<b>Planned TD:</b>	18,268'		
<b>Spud D/T:</b>	5/10/17 6:00	<b>Rig Name:</b>	Trinidad 121	<b>Rig Manager / Number:</b>	Wesley/Don 318-947-0153			<b>Location:</b>	Sec 14 T26N R19W, 2,390' FSL & 1,101' FWL		
<b>Field:</b>	Emma (Devonian)	<b>State:</b>	Texas	<b>County:</b>	Andrews			<b>GPS:</b>	32° 07' 53.01" & -102° 37' 13.30" NAD 83 TX-NC Zone		
<b>Present Ops:</b>				<b>Consultant:</b>	Jeff Savoy/ Jimmy Nobles			<b>TXRRR Info. Job #:</b>	822882	<b>Deviation Surveys</b>	
<b>Planned TVD:</b>	10,580'	<b>Planned TMD:</b>	18,268'	<b>24 Hr Footage:</b>	0'	<b>Consultant #:</b>	580-729-0821/432-448-4922	<b>API #:</b>	42-003-60137	<b>Depth</b>	<b>Angle</b>
<b>Current TVD:</b>		<b>Current TMD:</b>		<b>Hours Drilling:</b>	0.00	<b>Satellite #:</b>	432-360-1022	<b>APE #:</b>	217001		
<b>Planned KOP:</b>		<b>Planned EOC:</b>		<b>24 hr NPT (hrs):</b>	0.00	<b>GL Elevation:</b>	3,150'	<b>KB:</b>	25'	<b>KB Elevation:</b>	3,175'
<b>BOP Test:</b>				<b>Cum NPT (hrs):</b>	0.00	<b>Daily Well Cost (\$):</b>	\$229,643	<b>APE Estimate \$:</b>	\$3,481,500		
<b>Next 24 hr Ops:</b>						<b>Cumulative Well Cost (\$):</b>	\$341,339	<b>% AFE Spent:</b>	9.8%		

Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10			Daily OBM Total Vol.		WOB Min / Max		RPM Min / Max		SPM	GPS	BPS		
	Pv	Yp	WL	Pf / Mf	Rhealogy 3rpm/6rpm			OBM Losses Daily/Cum		On/Off B PSI		Rot Wt	PU Wt	SO Wt	Hrs on Motor			
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					
Annular Vol DC	Annular Vol DP		Pit Volume		Min to Bit													

### Time Distribution

[illegible]

<b>Accidents in Last 24 Hrs:</b>		

### General Comments

Trinidad is doing annual insp. & maint. On Top Drive, should not effect rig move time line

[illegible]



## Drilling

[illegible][illegible]

### General Comments

[illegible]





## Drilling

<b>Well Name:</b>	University Lands 31-2H	<b>Date:</b>	5/8/2017	<b>Days from Spud:</b>	0	<b>Report:</b>	8	<b>Planned TD:</b>	18,268'		
<b>Spud D/T:</b>	5/10/17 0:00	<b>Rig Name:</b>	Trinidad 121	<b>Rig Manager / Number:</b>	Wesley/Don 318-947-0153			<b>Location:</b>	Sec 14 T26N R19W, 2,390' FSL & 1,101' FWL		
<b>Field:</b>	Emma (Devonian)	<b>State:</b>	Texas	<b>County:</b>	Andrews			<b>GPS:</b>	32° 07' 53.01" & -102° 37' 13.30" NAD 83 TX-NC Zone		
<b>Present Ops:</b>	Rigging Up			<b>Consultant:</b>	Jeff Savoy/ Jimmy Nobles			<b>TXRRR Info. Job #:</b>	822882	<b>Deviation Surveys</b>	
<b>Planned TVD:</b>	10,580'	<b>Planned TMD:</b>	18,268'	<b>24 Hr Footage:</b>	0'	<b>Consultant #:</b>	580-729-0821/432-448-4922	<b>API #:</b>	42-003-60137	<b>Depth</b>	<b>Angle</b>
<b>Current TVD:</b>		<b>Current TMD:</b>		<b>Hours Drilling:</b>	0.00	<b>Satellite #:</b>	432-360-1022	<b>AFE #:</b>	217001		
<b>Planned KOP:</b>		<b>Planned EOC:</b>		<b>24 hr NPT (hrs):</b>	0.00	<b>GL Elevation:</b>	3,150'	<b>KB:</b>	25'	<b>KB Elevation:</b>	3,175'
<b>BOP Test:</b>				<b>Cum NPT (hrs):</b>	0.00	<b>Daily Well Cost (\$):</b>	\$21,406	<b>AFE Estimate \$:</b>	\$3,481,500		
<b>Next 24 hr Ops:</b>	Finish R/U fill pits get ready to Spud			<b>Cumulative Well Cost (\$):</b>	\$417,990	<b>% AFE Spent:</b>	12.0%				

Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10			Daily OBM Total Vol.		WOB Min / Max		RPM Min / Max		SPM	GPS	BPS		
	Pv	Yp	WL	Pf / Mf	Rhealogy 3rpm/6rpm			OBM Losses Daily/Cum		On/Off B PSI		Rot Wt	PU Wt	SO Wt	Hrs on Motor			
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					
Annular Vol DC	Annular Vol DP		Pit Volume		Min to Bit													

[illegible]

Accidents in Last 24 Hrs:	
General Comments	

[illegible]



**Job Type:**

## Drilling

Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10			Daily OBM Total Vol.			WOB Min / Max		RPM Min / Max		SPM	GPS	BPS		
Fresh Water	8.3	27	7	0															
	Pv	Yp	WL	Pf / Mf	Rhealogy 3rpm/6rpm			OBM Losses Daily/Cum			On/Off B PSI		Rot Wt	PU Wt	SO Wt	Hrs on Motor			
	1	0		0/05															
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						
	0	200	120	120															
Annular Vol DC	Annular Vol DP		Pit Volume	Min to Bit															

Accidents in Last 24 Hrs:	NONE
General Comments	

[illegible]



Job Type: Drilling

Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10			Daily OBM Total Vol.			WOB Min / Max		RPM Min / Max		SPM	GPS	BPS		
fresh water	8.4	27	12	0.2	1						35		45 / 170		180	4.186	0.0996		
	Pv	Yp	WL	Pf / Mf	Rhealogy 3rpm/6rpm			OBM Losses Daily/Cum			On/Off B PSI		Rot Wt	PU Wt	SO Wt	Hrs on Motor			
	1	1		0.2	1	1					1500	1250	85	90	80	7.0			
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					
	0.0005	500		140						12,000		3,000							
Annular Vol DC	Annular Vol DP	Pit Volume	Min to Bit																

[illegible]

Accidents in Last 24 Hrs:	None
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### 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	8	772'	105'		772'	8	96.5	
2													
3													
4													
5													
6													
7													
8													
9													
10													
Bit # Grading		Inner	Outer	Dull Char		Location	Bearing	Other	Gauge	Reason Pulled		Comments	
BHA Summary													
Item	Description		Length	OD	ID	Conn Up	Box	Pin	Top to Bit	BHA # 1 BHA Hours			
Bit	Hughes PDC DP605S		1.6'	17.5"	3"			7-5/8 reg	1.6	Equipment Description			
Mud Motor	NOV 1.15 bend .18 rpg		32.9'	8"			NC56	7-5/8 reg	34.48				
Survey Tool	Flodrft		14.08'	8"			NC56	NC56	48.56				
8" DC	drill collar		29.7'	8"			NC56	NC56	78.26				
IBS	1/8" under gauge IBS		8.1'	17.375"			NC56	NC56	86.36				
8" DC	drill collar		31.2'	8"			NC56	NC56	117.56				
IBS	1/8" under gauge IBS		8.1'	17.375"			NC56	NC56	125.66				
8" DC	drill collar		29.7'	8"			NC56	NC56	155.36				
X/O	cross over sub		3.4'	8" x 6.5"			4-1/2 XH	NC56	158.76				
6 1/2" DC	15 drill collar		446.4'	6.5'			4-1/2 XH	4-1/2 XH	605.16				
X/O	cross over sub		4.0'	6.5x5			4-1/2 XH	4-1/2 IF	609.16				
5" HWDP	15 HWDP		454.4'	5.0'			4-1/2 IF	4-1/2 IF	1063.56				
Total / Max / Min:			1,049.4'	6.5'	0.0'								
Drill String													
Drill String		Size	Weight	Grade	Connection	Jts in Hole	Length	Jts on Location	Total String Vol. (bbls)				
DP (bottom)		5											
DP (middle)													
DP (top)													
Pump Summary													
	Assumed Eff.	Type	Liner OD	Length	SPM	GPS	GPM	BPS	BPM	Pressure	SPR - Depth	SPR - SPM	SPR - PSI
Pump #1	95%	HHF1600	6	12	90	4.186	750	0.0996	17.8	1,200			
Pump #2	95%	HHF1600	6	12	90	4.186	750	0.0996	17.8	1,200			
Loads													
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)												0	
Total Fuel on Hand (gal)												12,306	
Log													
	OD	ID	Length w/Shoe	# of Jts	Weight	Grade	Depth Set	Thread	Date Set	Centralizers	TOC	Comments	
Conductor	20	19.124	80.00'				105.00'						
Surface													
1st Intermediate													
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	New Tech Global		Drill site supervision				\$1,750			
305	Drilling - Daywork		Y	Trinidad Drilling		Rig Day Rate				\$14,000			
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				\$1,090			
331	Fluids		Y	Zia Fluids		drilling Fluids cost				\$6,686			
312	Tool & Equipment Rental		Y	Midland Safety and Health Sales		H2S monitoring system				\$280			
322	Downhole Tools & Service		Y	National Oilwell Varco, LP (NOV Fluid Con		Flo drift survey sub				\$1,000			
327	Contract Labor			McClatchy Bros.		forklift to unload surface casing				\$805			
327	Contract Labor			Kenny Torres Welding Services		repair flare stand				\$280			



**Job Type:** Drilling

Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10		Daily OBM Total Vol.		WOB Min / Max	RPM Min / Max	SPM	GPS	BPS		
fresh water	9.4	37	12	0.4	7 16				28 35	80 90	180	4.186	0.0996		
	Pv	Yp	WL	PI / Mf	Rheology 3rpm/6rpm		OBM Losses Daily/Cum		On/Off B PSI	Rot Wt	PU Wt	SO Wt	Hrs on Motor		
	5	21		3 7	6	7			1500	1200			21.5		
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				
24.5	8	500	400	400	4452	4699			12,000	3,000					
Annular Vol DC	Annular Vol DP		Pit Volume	Min to Bit											
135.5	308														

[illegible]

Accidents in Last 24 Hrs:	NONE
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### 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	8	867'	105'	1,653'	1,653'	16.5	100.2		
2														
3														
4														
5														
6														
7														
8														
9														
10														
Bit # Grading		Inner	Outer	Dull Char		Location	Bearing	Other	Gauge	Reason Pulled		Comments		
										TD				
BHA Summary											BHA #	1	BHA Hours	21.5
Item	Description			Length	OD	ID	Conn Up	Box	Pin	Top to Bit	Equipment Description			
Bit	Hughes PDC DP605S			1.6'	17.5"	3"			7-5/8 reg	1.6				
Mud Motor	NOV 1.15 bend .18 rpg			32.9'	8"			NC56	7-5/8 reg	34.48				
Survey Tool	Flodrift			14.08'	8"			NC56	NC56	48.56				
8" DC	drill collar			29.7'	8"			NC56	NC56	78.26				
IBS	1/8" under gauge IBS			8.1'	17.375"			NC56	NC56	86.36				
8" DC	drill collar			31.2'	8"			NC56	NC56	117.56				
IBS	1/8" under gauge IBS			8.1'	17.375"			NC56	NC56	125.66				
8" DC	drill collar			29.7'	8"			NC56	NC56	155.36				
X/O	cross over sub			3.4'	8" x 6.5"			4-1/2 XH	NC56	158.76				
6 1/2" DC	15 drill collar			446.4'	6.5'			4-1/2 XH	4-1/2 XH	605.16				
X/O	cross over sub			4.0'	6.5x5			4-1/2 XH	4-1/2 IF	609.16				
5" HWDP	15 HWDP			454.4'	5.0'			4-1/2 IF	4-1/2 IF	1063.56				
Total / Max / Min:				1,049.4'	6.5'	0.0'								
Drill String		Size	Weight	Grade	Connection	Jts in Hole	Length	Jts on Location	Total String Vol. (bbbls)		Loads Fresh Water Hauled			
DP (bottom)		5"	19.5	S135	4-1/2 IF	14	642.00'	304	11.4		Vol. Fresh Water Hauled (bbbls)			
DP (middle)											Loads Brine Water Hauled			
DP (top)											Vol. Brine Water Hauled (bbbls)			
	Assumed Eff.	Type	Liner OD	Length	SPM	GPS	GPM	BPS	BPM	Pressure	SPR - Depth	SPR - SPM	SPR - PSI	
Pump #1	95%	HHF1600	6	12	80	4.186	334	0.0996	7.9	1,500				
Pump #2	95%	HHF1600	6	12	80	4.186	334	0.0996	7.9	1,500				
												Fuel Delivered in Last 24 Hrs (gal)		
												Total Fuel on Hand (gal)		
												11,225		
	OD	ID	Length w/Shoe	# of Jts	Weight	Grade	Depth Set	Thread	Date Set	Centralizers	TOC	Comments		
Conductor														
Surface	13 3/8	12.615	1,644.50'	39	54.5	J-55	1,642.00'	BTC	5/11/2017	10				
1st Intermediate														
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	New Tech Global			Drill site supervision					\$1,750	
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					\$1,090	
331	Fluids			Y	Zia Fluids			drilling Fluids cost					\$6,596	
312	Tool & Equipment Rental			Y	Midland Safety and Health Sales			H2S monitoring system					\$280	
322	Downhole Tools & Service			Y	National Oilwell Varco, LP Downhole tools			Flo drift survey sub					\$1,000	
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	
322	Downhole Tools & Service				National Oilwell Varco, LP Downhole tools			8" Motor 1.15 bend					\$3,500	
309	Bits				Baker Hughes			17.5" PDC bit					\$5,500	
331	Fluids				Leo's Trucking			Brine Water					\$10,800	
					</									





<b>Well Name:</b>	University Lands 31-2H	<b>Date:</b>	5/12/2017	<b>Days from Spud:</b>	1	<b>Report:</b>	12	<b>Planned TD:</b>	18,268'
<b>Spud D/T:</b>	5/10/17 14:30	<b>Rig Name:</b>	Trinidad 121	<b>Rig Manager / Number:</b>	Don/Wesley 903-239-3227/318-94	<b>Location:</b>	Sec 42 Block 9 ,113' FNL & 376' FWL		
<b>Field:</b>	Emma (Devonian)	<b>State:</b>	Texas	<b>County:</b>	Andrews	<b>GPS:</b>	32° 07' 53.01" & -102° 37' 13.30" NAD 83 TX-NC Zone		
<b>Present Ops:</b>	TIH with directional tools			<b>Consultant:</b>	Jimmy Nobles/Jeff Savoy	<b>TXRRR Info. Job #:</b>	822882	<b>Deviation Surveys</b>	
<b>Planned TVD:</b>	10,580'	<b>Planned TMD:</b>	18,268'	<b>24 Hr Footage:</b>	0'	<b>Consultant #:</b>	432-448-4922/580-729-0821	<b>API #:</b>	42-003-47488
<b>Current TVD:</b>	1,653'	<b>Current TMD:</b>	1,653'	<b>Hours Drilling:</b>	0.00	<b>Satellite #:</b>	432-360-1022	<b>AFE #:</b>	217001
<b>Actual KOP:</b>		<b>Actual EOC:</b>		<b>24 hr NPT (hrs):</b>	0.00	<b>GL Elevation:</b>	3,150'	<b>KB:</b>	25'
<b>BOP Test:</b>	2500 Low & 3000 High on call ( good)	<b>Cum NPT (hrs):</b>	7.50	<b>Daily Well Cost (\$):</b>			\$145,121	<b>AFE Estimate \$:</b>	\$3,481,500
<b>Next 24 hr Ops:</b>	TIH , csg test, drill shoe trac , drill ahead in 12-1/4 hole			<b>Cumulative Well Cost (\$):</b>			\$674,564	<b>% AFE Spent:</b>	19.4%

Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10			Daily OBM Total Vol.			WOB Min / Max		RPM Min / Max		SPM	GPS	BPS		
	Pv	Yp	WL	Pf / Mf	Rhealogy 3rpm/6rpm			OBM Losses Daily/Cum			On/Off B PSI		Rot Wt	PU Wt	SO Wt	Hrs on Motor			
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					
Annular Vol DC	Annular Vol DP		Pit Volume		Min to Bit														

[illegible]

### 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													
3													
4													
5													
6													
7													
8													
9													
10													
Bit #	Grading	Inner	Outer	Dull Char		Location	Bearing	Other	Gauge	Reason Pulled		Comments	

  

BHA Summary										BHA #	2	BHA Hours	
Item	Description	Length	OD	ID	Conn Up	Box	Pin	Top to Bit	Equipment Description				
Bit	Hughes PDC TD606FX	1.5'	12.3'	2.0'			6-5/8 reg	1.5					
Mud Motor	7/8 4.0 FBH@1.5deg 12nbs .17rev	28.6'	8.0'	1.0'		6-5/8 reg	6-5/8 reg	30.05					
STAB	Nortrac 12"	7.8'	8.1'	2.9'		6-5/8 reg	6-5/8 reg	37.8					
SUB	UBHO	3.3'	8.0'	3.5'		6-5/8 reg	6-5/8 reg	41.1					
NMDC	NONMAG DC	30.7'	8.0'	3.3'		6-5/8 reg	6-5/8 reg	71.83					
NMDC	NONMAG Pony DC	15.1'	8.1'	2.8'		6-5/8 reg	6-5/8 reg	86.9					
STAB	Nortrac 12"	8.1'	8.1'	2.9'		6-5/8 reg	6-5/8 reg	94.95					
X/O	cross over	2.2'	7.9'	2.9'		NC56	6-5/8 reg	97.1					
8" DC	2-8" Drill Collars	60.9'	8.0'	3.0'		NC56	NC56	157.95					
X/O	cross over	3.4'	7.9'	2.9'		4-1/2XH	NC56	161.35					
6 1/2" DC	15-6-1/2" Drill collars	446.4'	6.5'	2.9'		4-1/2XH	4-1/2XH	607.76					
X/O	cross over	4.0'	6.4'	2.2'		4-1/2IF	4-1/2XH	611.73					
5" HWDP	15 HWDP	454.4'	5.0'	3.0'		4-1/2IF	4-1/2IF	1066.13					
Total / Max / Min:		1,066.1'	12.3'	1.0'									

  

Drill String	Size	Weight	Grade	Connection	Jts in Hole	Length	Jts on Location	Total String Vol. (bbls)
DP (bottom)								
DP (middle)								
DP (top)								

  

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

  

	OD	ID	Length w/Shoe	# of Jts	Weight	Grade	Depth Set	Thread	Date Set	Centralizers	TOC	Comments
Conductor												
Surface	13 3/8	12.615	1,644.50'	39	54.5	J-55	1,642.00'	BTC	5/11/2017	10	surface	205 bbls cmt back to surface
1st Intermediate												
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	New Tech Global	Drill site supervision	\$1,750		
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	\$1,090		
331	Fluids	Y	Zia Fluids	drilling Fluids cost	\$900		
312	Tool & Equipment Rental	Y	Midland Safety and Health Sales	H2S monitoring system	\$280		
322	Downhole Tools & Service	Y	National Oilwell Varco, LP Downhole tools	Flo drift survey sub	\$1,000		
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		
343	Camps & Trailers		Solid LiberyServices, LLC	move & rig up fees for trailers	\$10,418		
402	Casing - Surface		United Casing Inc.	13-3/8" 54.5# J-55 BTC CSG	\$56,700		
311	Casing Crew		TCI Casing Specialties LLC	Casing Crew for surface casing	\$4,500		
319	Cement & Services		Trans-Tex Cementing Services, LLC	surface cement	\$25,805		
327	Contract Labor		Kenny Torres Welding Services	weld on wellhead	\$770		
319	Cement & Services		Weatherford	surface casing float equip	\$2,405		
327	Contract Labor		Monahan's Nipple-Up Services (Quell Petr	Nipple Up BOP	\$2,850		
312	Tool & Equipment Rental	Y	Kenny Torres Welding Services	Flare Igniter	\$25		
334	Bop Testing		Monahan's Nipple-Up Services (Quell Petr	test bop	\$1,920		
310	Directional Services		VON Directional Services	Directional services	\$3,795		
Daily Mud Cost:	\$900	Cumulative Mud Cost:	\$19,920	Daily NPT (hrs):	0.00	Total:	\$131,928
Daily Well Cost:	\$145,121	Cumulative Well Cost:	\$674,564	Cumulative NPT (hrs):	7.50	Estimated Taxes:	\$13,193
AFE Cost Estimate:	\$3,481,500	AFE \$ Remaining:	\$2,806,936				

**Daily Drilling Report**  
**University Lands 31-2H**

**Job Type:** Drilling

<b>Well Name:</b>	University Lands 31-2H	<b>Date:</b>	5/13/2017	<b>Days from Spud:</b>	2	<b>Report:</b>	13	<b>Planned TD:</b>	18,268'			
<b>Spud D/T:</b>	5/10/17 14:30	<b>Rig Name:</b>	Trinidad 121	<b>Rig Manager / Number:</b>	Don/Wesley 903-239-3227/318-94			<b>Location:</b>	Sec 42 Block 9 ,113' FNL & 376' FWL			
<b>Field:</b>	Emma (Devonian)	<b>State:</b>	Texas	<b>County:</b>	Andrews			<b>GPS:</b>	32° 07' 53.01" & -102° 37' 13.30" NAD 83 TX-NC Zone			
<b>Present Ops:</b>				<b>Consultant:</b>	Jimmy Nobles/Jeff Savoy			<b>TXRRC Info. Job #:</b>	822882	<b>Deviation Surveys</b>		
<b>Planned TVD:</b>	10,580'	<b>Planned TMD:</b>	18,268'	<b>24 Hr Footage:</b>	789'	<b>Consultant #:</b>	432-448-4922/580-729-0821		<b>API #:</b>	42-003-47488	<b>Depth</b>	<b>Angle</b>
<b>Current TVD:</b>	2,442'	<b>Current TMD:</b>	2,442'	<b>Hours Drilling:</b>	6.00	<b>Satellite #:</b>	432-360-1022		<b>AFE #:</b>	217001		
<b>Actual KOP:</b>		<b>Actual EOC:</b>		<b>24 hr NPT (hrs):</b>	0.00	<b>GL Elevation:</b>	3,150'	<b>KB:</b>	25'	<b>KB Elevation:</b>	3,175'	
<b>BOP Test:</b>	5/12/2017			<b>Cum NPT (hrs):</b>	7.50	<b>Daily Well Cost (\$):</b>	\$31,473		<b>AFE Estimate \$:</b>	\$3,481,500		
<b>Next 24 hr Ops:</b>	drill ahead in 12-1/4" hole section					<b>Cumulative Well Cost (\$):</b>	\$706,038		<b>% AFE Spent:</b>	20.3%		

Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10			Daily OBM Total Vol.			WOB Min / Max		RPM Min / Max		SPM	GPS	BPS		
WBM, brine	9.8	29	10.5	0.3	1 1						25 30	70 169		140	4.186	0.0996			
	Pv	Yp	WL	PI / Mf	Rhealogy 3rpm/6rpm			OBM Losses Daily/Cum											
	1	2		.3 .5	1 1														
DP/DC Volume	Solids	Chloride	Calcium	Total Hard	Btms Up	Full Circ	Diesel Added to OBM Daily/Cum			2000 1400					6.0				
	0	164000	1200	1200						On Bottom Torq.		Off Bottom Torq.		Current Motor Description					
Annular Vol DC	Annular Vol DP	Pit Volume	Min to Bit							4k 21k		3k 5k							

[illegible]

Accidents in Last 24 Hrs:	
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	4.5	697'	1,653'		789'	4.5	175.3		
3														
4														
5														
6														
7														
8														
9														
10														
Bit # Grading		Inner	Outer	Dull Char		Location	Bearing	Other	Gauge	Reason Pulled		Comments		
BHA Summary														
										BHA #	2	BHA Hours		
Item	Description			Length	OD	ID	Conn Up	Box	Pin	Top to Bit	Equipment Description			
Bit	Hughes PDC TD606FX			1.5'	12.3'	2.0'			6-5/8 reg	1.5				
Mud Motor	7/8 4.0 FBH@1.5deg 12nbs .17rev			28.6'	8.0'	1.0'		6-5/8 reg	6-5/8 reg	30.05				
STAB	Nortrac 12"			7.8'	8.1'	2.9'		6-5/8 reg	6-5/8 reg	37.8				
SUB	UBHO			3.3'	8.0'	3.5'		6-5/8 reg	6-5/8 reg	41.1				
NMDC	NONMAG DC			30.7'	8.0'	3.3'		6-5/8 reg	6-5/8 reg	71.83				
NMDC	NONMAG Pony DC			15.1'	8.1'	2.8'		6-5/8 reg	6-5/8 reg	86.9				
STAB	Nortrac 12"			8.1'	8.1'	2.9'		6-5/8 reg	6-5/8 reg	94.95				
X/O	cross over			2.2'	7.9'	2.9'		NC56	6-5/8 reg	97.1				
8" DC	2-8" Drill Collars			60.9'	8.0'	3.0'		NC56	NC56	157.95				
X/O	cross over			3.4'	7.9'	2.9'		4-1/2XH	NC56	161.35				
6 1/2" DC	18-6-1/2" Drill collars			535.4'	6.5'	2.9'		4-1/2XH	4-1/2XH	696.8				
X/O	cross over			4.0'	6.4'	2.2'		4-1/2IF	4-1/2XH	700.7				
5" HWDP	9 HWDP			273.0'	5.0'	3.0'		4-1/2IF	4-1/2IF	973.78				
Total / Max / Min:				973.7'	12.3'	1.0'								
Drill String														
Drill String		Size	Weight	Grade	Connection	Jts in Hole	Length	Jts on Location	Total String Vol. (bbls)					
DP (bottom)														
DP (middle)														
DP (top)														
Fuel Summary														
	Assumed Eff.	Type	Liner OD	Length	SPM	GPS	GPM	BPS	BPM	Pressure	SPR - Depth	SPR - SPM	SPR - PSI	
Pump #1														
Pump #2														
Fuel Delivered in Last 24 Hrs (gal)														
Total Fuel on Hand (gal)														
Drill Log														
	OD	ID	Length w/Shoe	# of Jts	Weight	Grade	Depth Set	Thread	Date Set	Centralizers	TOC	Comments		
Conductor														
Surface														
1st Intermediate														
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	New Tech Global				Drill site supervision				\$1,750
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				\$1,090
331	Fluids				Y	Zia Fluids				drilling Fluids cost				\$1,136
312	Tool & Equipment Rental				Y	Midland Safety and Health Sales				H2S monitoring system				\$280
322	Downhole Tools & Service				Y	National Oilwell Varco, LP Downhole tools				Flo drift survey sub				\$1,000
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
319	Cement & Services					Trans-Tex Cementing Services, LLC				cement in cellar up to base plate				\$4,911
343	Camps & Trailers					Solid LiberyServices, LLC				clean out septic				\$700



Mud Type	Wt	Vis	Ph	Pm	Gel Str. 10/10				Daily OBM Total Vol.				WOB Min / Max		RPM Min / Max		SPM	GPS	BPS			
WBM brine	10	30	10.5	0.3	1 1								33		70		140	4.186	0.0996			
	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			
	2	1		.3	1 1								2000		1200		170	175	165	27.0		
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					
	0	189000	1200	1200									15k		4k							
Annular Vol DC	Annular Vol DP	Pit Volume	Min to Bit																			

Accidents in Last 24 Hrs:	
General Comments	

