

Detailed Drilling Report										
Lease:	ULS 5-9 Unit 6			API #:	42-003-47556			Report #:	19	
Operator:	Zarvona Energy			Spud Date:	06/30/17			Report Date:	7/17/17	
GL	3,030	Depth (MD)	12,600	County	Andrews	Rig	Norton Rig #2		AFE #	NA 9-6-1
KB-GL	17.0'	TVD	12,600	State	Texas	Toolpusher	Chris Castillo 806-6327105			
				Co Supv	DC Torres		Lupe Ramos 806-7772125			
				Co Supv	Ron Kidd					
PRESENT OPERATIONS										
Drill 8¾" hole section @ 12600'										
LAST 24 HOUR SUMMARY										
Drill to 12076 -Rig service -Drill to 12600'										
DRILL PIPE							BHA			
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT		LENGTH	
379	11941	5	19.5	G-105	4.5IF		Bit 8¾"		1.00	
							Motor 1.15abh 7/8w/8.5nbs		31.37	
							8½ nortrack stabilizer		3.84	
							NMPC		10.44	
LAST CASING STRINGS							AccMP w/Gamma		34.25	
SIZE	TOP	BOTTOM	WT	GRADE	CONN		NMDC		28.64	
20"	0	60'					8½ Nortrack stabilizer		4.26	
13.375	0	1844	54.5	J-55	BTC		XO 4½ IF x 4½ XH		2.93	
9.625	0	5428	40	HC L80/J55	LTC		18 X 6¼ DC		540.94	
							XO 4½XH x 4½ IF		2.09	
							338jnts 5" 19.5#/ft G-105 DP on Loc. (Norton)			
							TOTAL		659.76	
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS						
7:00	13:00	6.00		Drill f/11,855' t/12,076' (221 ft @ 36.8 fph) wob 20/25 Rotating, rpm 55, gpm 500 2300 psi,diff 250/480						
13:00	13:30	0.50		Rig service						
13:30	7:00	17.50		Drill f/ 12076' t/ 12600' (524 ft @ 29.9 fph) wob 25/30 Rotating, rpm 55, gpm 500 2300 psi,diff 250/480						
				Note: Pump # 2 is down with a bad crank bearing.						
TOTAL		24.0		132 jnts 19.5#/ft S-135 rental DP on location f/ Black Diamond (1st jnt P/U 7/14/17)						
STRING WEIGHT		GAS		New drill line spool on location \ going to change out on RM.						
ROTATING	282	Bkgd Gas	74	Start	7592	Cuttings	0	Pump No.	No. 1	No. 2
UP	290	Conn Gas	85	Received		Surface	0	Make/Model	PZ11	PZ11
DOWN	278	Trip Gas	908	End	6015	Hole	0	SPR (SPM)		
TORQUE	8850	Max Gas	355	Used	1577	Centrifuge	0	@ # (psi)		
Bottom TORQ	5200			Rate (\$/gal)	1.8235			Stroke, in.	11	11
			Total Cost (\$)	48,758	Liner			6.5	6.5	
BIT RECORD			MUD					S.P.M.	115	0
Number	RR 4		Type	FW	Solids			Rate, G.P.M.	495	0
Size, in.	8¾"		Time		O/W Cont.			Press, psi	2150	0
Type	U613M		Company		Solids adj Salt					
Serial No.	35899		FL Temp (deg F)		Alk P mud					
Jets, 32nds	3-18 3-16		Depth		Lime					
W.O.B., lb.	20/25		Density ppg	9.3	Salt					
R.P.M.	60		Viscosity	52	O/W Ratio					
Depth out, ft			PV/YP		Chlorides					
Depth in, ft	10969		Gels: I/10		El. Stab					
Footage	1631		API W/L	12	WPS					
Hours	48.5		HTHP W/L		PH	11				
Mfgr	Uiterra		Cake API/HTH							

Detailed Drilling Report												
Lease:		ULS 5-9 Unit 6			API #:		42-003-47556			Report #:		18
Operator:		Zarvona Energy			Spud Date:		06/30/17			Report Date:		7/16/17
GL	3,030	Depth (MD)	11,855	County	Andrews	Rig	Norton Rig #2			AFE #	NA 9-6-1	
KB-GL	17.0'	TVD	11,855	State	Texas	Toolpusher	Chris Castillo 806-6327105					
				Co Supv	DC Torres		Lupe Ramos 806-7772125					
				Co Supv	Ron Kidd							
PRESENT OPERATIONS												
Drilling @ 11855'												
LAST 24 HOUR SUMMARY												
Trip in ,Wash to bottom no fill , Drill to 11504 , Rig service , Drill to 11662- Pump #1 went down fans blade broke off went through radiator , Circ while working on pump #1 , Drill to 11855'												
DRILL PIPE							BHA					
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT			LENGTH		
355	11196	5	19.5	G-105	4.5IF		Bit 8½"			1.00		
							Motor 1.15abh 7/8w/8.5nbs			31.37		
							8½ nortrack stabilizer			3.84		
							NMPC			10.44		
LAST CASING STRINGS							AccMP w/Gamma			34.25		
SIZE	TOP	BOTTOM	WT	GRADE	CONN		NMDC			28.64		
20"	0	60'					8½ Nortrack stabilizer			4.26		
13.375	0	1844	54.5	J-55	BTC		XO 4½ IF x 4½ XH			2.93		
9.625	0	5428	40	HC L80/J55	LTC		18 X 6¼ DC			540.94		
							XO 4½XH x 4½ IF			2.09		
							338jnts 5" 19.5#/ft G-105 DP on Loc. (Norton)					
							TOTAL			659.76		
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS								
7:00	11:00	4.00		Trip in hole, filling up every 35 std's. No drag								
11:00	12:00	1.00		Wash 200' to btm., no fill.								
12:00	16:00	4.00		Drill f/11410' t/11,504' (94 ft @ 23.5 fph) wob 15 Rotating, rpm 55, gpm 500 2300 psi,diff 250/480								
16:00	16:30	0.50		Service rig and TDS								
16:30	19:00	2.50		Drill f/ 11504' t/ 11662' (158 ft @ 63.2 fph) wob 15/20 Rotating, rpm 55, gpm 500 2300 psi,diff 250/480 (Note: Pump # 1 went down do to Fans blades broke off and went through radiator)								
19:00	1:30	6.50		Pick up and circ w/ pump # 2 while Norton get new fans blades and radiator for pump # 1								
1:30	7:00	5.50		Drill f/ 11662' t/ 11855' (193 ft @ 35 fph) wob 15/20 Rotating, rpm 55, gpm 500 2300 psi,diff 250/480								
TOTAL		24.0		132 jnts 19.5#/ft S-135 rental DP on location f/ Black Diamond (1st jnt P/U 7/14/17)								
STRING WEIGHT		GAS		New drill line spool on location \ going to change out on RM.								
ROTATING	262	Bkgd Gas	74	Start		8832	Cuttings	0	Pump No.	No. 1	No. 2	
UP	265	Conn Gas	85	Received			Surface	0	Make/Model	PZ11	PZ11	
DOWN	260	Trip Gas	908	End		7592	Hole	0	SPR (SPM)			
TORQUE	8850	Max Gas	355	Used		1249	Centrifuge	0	@ # (psi)			
F bottom TORQ	5200			Rate (\$/gal)		1.8235						
				Total Cost (\$)		48,758						
BIT RECORD			MUD									
Number	RR 4		Type	FW	Solids							
Size, in.	8½"		Time		O/W Cont.							
Type	U613M		Company		Solids adj Salt							
Serial No.	35899		FL Temp (deg F)		Alk P mud							
Jets, 32nds	3-18 3-16		Depth		Lime							
W.O.B., lb.	20/25		Density ppg	9.3	Salt							
R.P.M.	60		Viscosity	36	O/W Ratio							
Depth out, ft			PV/YP		Chlorides							
Depth in, ft	10969		Gels: I/10		El. Stab							
Footage	886		API W/L		WPS							
Hours	25		HTHP W/L		PH	9.5						
Mfgr	Uiterra		Cake API/HTH									

Detailed Drilling Report											
Lease:	ULS 5-9 Unit 6			API #:	42-003-47556			Report #:	17		
Operator:	Zarvona Energy			Spud Date:	06/30/17			Report Date:	7/15/17		
GL	3,030	Depth (MD)	11,410	County	Andrews	Rig	Norton Rig #2	AFE #	NA 9-6-1		
KB-GL	17.0'	TVD	11,410	State	Texas	Toolpusher	Chris Castillo 806-6327105				
				Co Supv	DC Torres		Lupe Ramos 806-7772125				
				Co Supv	Ron Kidd						
PRESENT OPERATIONS											
Tripping in hole											
LAST 24 HOUR SUMMARY											
Drill to 11410 - Rop down to 3.5 fph , Trip out - bit was balled up , clean bit / chg jets / chg out mwd , Trip in hole											
DRILL PIPE							BHA				
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT		LENGTH		
341	10751	5	19.5	G-105	4.5IF		Bit 8½"		1.00		
							Motor 1.15abh 7/8w/8.5nbs		31.37		
							8½ nortrack stabilizer		3.84		
							NMPC		10.44		
LAST CASING STRINGS							AccMP w/Gamma		34.25		
SIZE	TOP	BOTTOM	WT	GRADE	CONN		NMDC		28.64		
20"	0	60'					8½ Nortrack stabilizer		4.26		
13.375	0	1844	54.5	J-55	BTC		XO 4½ IF x 4½ XH		2.93		
9.625	0	5428	40	HC L80/J55	LTC		18 X 6¼ DC		540.94		
							XO 4½XH x 4½ IF		2.09		
							338jnts 5" 19.5#/ft G-105 DP on Loc. (Norton)				
							TOTAL		659.76		
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS							
7:00	10:30	3.50		Drill / slid f/11,025' t/11,219' (194 ft @ 55.42 fph) wob 25/28 Rotating-15/18 sliding, rpm 50/55, gpm 500 2250 psi,diff 250/350 Rotating , 100/150 Sliding							
10:30	11:00	0.50		Service rig and TDS, change generators.							
11:00	6:30	7.50		Drill / slid f/11,219' t/11410' (191 ft @ 25.4 fph) wob 25/28 Rotating-15/18 sliding, rpm 50/55, gpm 500 2250 psi,diff 250/350 Rotating , 100/150 Sliding (ROP Down to 3.5 fph , diff 30 psi , wob 30k)							
6:30	11:30	5.00		Trip out for bit or motor							
11:30	12:00	0.50		Change out Hydraulic hose on ST-80							
12:00	1:30	1.50		Trip out of hole , Bit is Balled up with formation							
1:30	3:00	1.50		Break bit off , clean off bit , change out jets from 20' to 3-16 ,3-18 ,Change out mwd							
3:00	4:00	1.00		Test mwd & motor , Make up RR bit 4							
4:00	7:00	3.00		Trip in hole, filling up every 35 std's							
TOTAL		24.0		132 jnts 19.5#/ft S-135 rental DP on location f/ Black Diamond (1st jnt P/U 7/14/17)							
STRING WEIGHT		GAS		New drill line spool on location \ going to change out on RM.							
ROTATING	262	Bkgd Gas	76	Start	9972	Cuttings	0	Pump No.	No. 1	No. 2	
UP	265	Conn Gas	111	Received	6800	Surface	0	Make/Model	PZ11	PZ11	
DOWN	260	Trip Gas		End	8832	Hole	0	SPR (SPM)			
TORQUE	4500	Max Gas	562	Used	1140	Centrifuge	0	@ # (psi)			
f bottom TORQ	4850			Rate (\$/gal)	1.8235			Stroke, in.	11	11	
			Total Cost (\$)	48,758	Liner			6.5	6.5		
BIT RECORD			MUD					S.P.M.	115	0	
Number	4	RR 4	Type	FW	Solids				Rate, G.P.M.	495	0
Size, in.	8½"	8½"	Time		O/W Cont.				Press, psi	2150	0
Type	U613M	U613M	Company		Solids adj Salt						
Serial No.	35899	35899	FL Temp (deg F)		Alk P mud						
Jets, 32nds	3-22 3-20	3-18 3-16	Depth		Lime						
W.O.B., lb.	27		Density ppg	9.3	Salt						
R.P.M.	55		Viscosity	36	O/W Ratio						
Depth out, ft	11410		PV/YP		Chlorides						
Depth in, ft	10969	10969	Gels: I/10		El. Stab						
Footage	441		API W/L		WPS						
Hours	13		HTHP W/L		PH	10.5					
Mfgr	Uiterra	Uiterra	Cake API/HTH								

Detailed Drilling Report													
Lease:		ULS 5-9 Unit 6			API #:		42-003-47556			Report #:		16	
Operator:		Zarvona Energy			Spud Date:		06/30/17			Report Date:		7/14/17	
GL	3,030	Depth (MD)	11,025	County	Andrews	Rig	Norton Rig #2			AFE #	NA 9-6-1		
KB-GL	17.0'	TVD	11,025	State	Texas	Toolpusher	Chris Castillo 806-6327105						
				Co Supv	DC Torres		Lupe Ramos 806-7772125						
				Co Supv	Ron Kidd								
PRESENT OPERATIONS													
Drilling 8¾" hole section @ 11025													
LAST 24 HOUR SUMMARY													
Drill to 10969', CBU, Trip out change motor/bit , Trip in w/ motor / bha , Cut drill line , Trip in to 10969' , Drill to 11025'													
DRILL PIPE							BHA						
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT			LENGTH			
329	10210.24	5	19.5	G-105	4.5IF		Bit 8¾"			1.00			
							Motor 1.15abh 7/8w/8.5nbs			31.37			
							8½ nortrack stabilizer			3.84			
							NMPC			10.44			
LAST CASING STRINGS							AccMP w/Gamma			34.25			
SIZE	TOP	BOTTOM	WT	GRADE	CONN		NMDC			28.64			
20"	0	60'					8½ Nortrack stabilizer			4.26			
13.375	0	1844	54.5	J-55	BTC		XO 4½ IF x 4½ XH			2.93			
9.625	0	5428	40	HC L80/J55	LTC		18 X 6¼ DC			540.94			
							XO 4½XH x 4½ IF			2.09			
							338jnts 5" 19.5#/ft G-105 DP on Loc. (Norton)						
							TOTAL			659.76			
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS									
7:00	10:30	3.50		Drill / slid f/10,870' t/ 10,969' (99ft @ 28.28fph) wob 25/28 Rotating, 15/18 sliding, rpm 50/55, gpm 500 2250 psi,diff 250/350 Rotating , 100/150 Sliding									
10:30	11:30	1.00		CBU									
11:30	6:30	7.00		POH, 30k over @ 10,590', POH and found NBS loose and resting on top of bit.									
6:30	7:00	0.50		Lay down bit , mud motor									
7:00	9:00	2.00		Pick up new mud motor & Reline from 1.15 to 1.5 , Test mwd , make up bit # 4									
9:00	10:00	1.00		Trip in with motor & BHA , one stand drill pipe									
10:00	11:00	1.00		Cut and slip drill line 60'									
11:00	5:00	6.00		Trip in hole, fill up every 35 std's									
5:00	7:00	2.00		Drill / slid f/10969' t/ 11025' (56 ft @ 28 fph) wob 25/28 Rotating, 15/18 sliding, rpm 50/55, gpm 500 2250 psi,diff 250/350 Rotating , 100/150 Sliding									
TOTAL		24.0		132 jnts 19.5#/ft S-135 rental DP on location f/ Black Diamond									
STRING WEIGHT		GAS		New drill line spool on location \ going to change out next time cut/silp drill line									
ROTATING	253	Bkgd Gas	125	Start		4137	Cuttings	0	Pump No.	No. 1	No. 2		
UP	256	Conn Gas	137	Received		0	Surface	0	Make/Model	PZ11	PZ11		
DOWN	250	Trip Gas	620	End		3172	Hole	0	SPR (SPM)				
TORQUE	9500	Max Gas	913	Used		965	Centrifuge	0	@ # (psi)				
F bottom TORQ	4850			Rate (\$/gal)		1.8235			Stroke, in.	11	11		
				Total Cost (\$)		35,431			Liner	6.5	6.5		
BIT RECORD			MUD										
Number	3	4	Type	FW	Solids								
Size, in.	8¾"	8¾"	Time		O/W Cont.								
Type	DF616X3ER01	U613M	Company		Solids adj Salt								
Serial No.	23149	35899	FL Temp (deg F)		Alk P mud								
Jets, 32nds	6x20	3-22 3-20	Depth		Lime								
W.O.B., lb.	25/28	27	Density ppg	9.3	Salt								
R.P.M.	55	55	Viscosity	36	O/W Ratio								
Depth out, ft	10969		PV/YP		Chlorides								
Depth in, ft	5435	10969	Gels: I/10		El. Stab								
Footage	5534	56	API W/L		WPS								
Hours	121.5	2	HTHP W/L		PH	10.5							
Mfgr	Drilformance	Uiterra	Cake API/HTH										

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Detailed Drilling Report											
Lease:	ULS 5-9 Unit 6			API #:	42-003-47556			Report #:	10		
Operator:	Zarvona Energy			Spud Date:	06/30/17			Report Date:	7/8/17		
GL	3,030	Depth (MD)	5,470	County	Andrews	Rig	Norton Rig #2	AFE #	NA 9-6-1		
KB-GL	17.0'	TVD	5,470	State	Texas	Toolpusher	Chris Castillo 806-6327105				
				Co Supv	DC Torres		Lupe Ramos 806-7772125				
				Co Supv	Ron Kidd						
PRESENT OPERATIONS											
Drilling @ 5470											
LAST 24 HOUR SUMMARY											
Remove cement head , N/D bop , pick up same , set csg silps w/ 140k , cut 9.5/8 csg , N/U B-section test to 1200 psi , Run Gyro , N/u bop , Cut/slip drill line ,Test bop to 1500 psi /test csg to 1500 psi , Pick up Dir-tools , Trip in hole , Disp hole with 8.33 Water , Drill out Shoe track.											
DRILL PIPE							BHA				
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT		LENGTH		
152	4811	5	19.5	G-105	4.5IF		Bit		1.00		
							Motor 1.15abh 7/8w/8.5nbs		31.37		
							8.5 nortrack stabilizer		3.84		
							NMPC		10.44		
LAST CASING STRINGS							AccMP w/Gamma		34.25		
SIZE	TOP	BOTTOM	WT	GRADE	CONN		NMDC		28.64		
20"	0	60'					8.5 Nortrack stabilizer		4.26		
13.375	0	1844	54.5	J-55	BTC		XO 4.1/2 if x 4.1/2XH		2.93		
9.625	0	5428	40	HC L80/J55	LTC		18-6.1/4" dc's		540.94		
							XO 4.1/2XH x 4.1/2IF		2.09		
							338jnts 5" 19.5#/ft G-105 DP on Loc. (Norton)				
							TOTAL		659.76		
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS							
7:00	8:00	1.00		Open Cmt Head 2" low tq. valve and monitor floats, floats holding. (jet out and clean pits)							
8:00	6:30	10.50		Finish N/D BOPE, P/U stack and set C22 9 5/8 csg slips with 140k string wt. N/D spacer spools and N/U B-section and DSA. Test to 1200psi. N/u BOP stack , choke line, flow line, turnbucles ,Gasbuster , move pvt pipe to f.w reserve pit (Run Gyro while N/u bop)							
6:30	8:00	1.50		Cut and slip drill line							
8:00	10:00	2.00		Test bop 500 low / 1500 hi , Leak @ DSA , tight dsa bolts and retest good test							
10:00	10:30	0.50		Test casing to 1500 psi , Good test							
10:30	1:30	3.00		Pick up Dir-tools							
1:30	5:00	3.50		Trip in hole , pick up 6 jts from rack , tag F/C @5378'							
5:00	5:30	0.50		Drill shoe track while displace hole with 8.3 ppg water							
5:30	7:00	1.50		Drill 8.3/4 hole from 5435 to 5470 (35 ft @ 23.3 fph) WOB 15 , RPM 45 , GPM 423 , SPP 1530 , DIF-PRESS 400							
TOTAL		24.0									
STRING WEIGHT		GAS		New drill line spool on location \ going to change out next time cut/silp drill line							
ROTATING	145	Bkgd Gas		Start		5682	Cuttings	0	Pump No.	No. 1	No. 2
UP		Conn Gas		Received		0	Surface	0	Make/Model	PZ11	PZ11
DOWN		Trip Gas		End		5212	Hole	0	SPR (SPM)		
TORQUE		Max Gas		Used		470	Centrifuge	0	@ # (psi)		
				Rate (\$/gal)		1.92			Stroke, in.	11	11
				Total Cost (\$)		22772.21			Liner	6.5	6.5
BIT RECORD			MUD			S.P.M.			100	0	
Number	2	3	Type	FW	Solids				Rate, G.P.M.	475	0
Size, in.	12.25	8.75	Time		O/W Cont.				Press, psi	1590	0
Type	DF616X2-ER01	DF616X3ER01	Company		Solids adj Salt						
Serial No.	23490	23149	FL Temp (deg F)		Alk P mud						
Jets, 32nds	3x18 5x20	6x20	Depth		Lime						
W.O.B., lb.	25/30k		Density ppg	8.33	Salt						
R.P.M.	65	45	Viscosity	30	O/W Ratio						
Depth out, ft	5435		PV/YP		Chlorides						
Depth in, ft	1884	5435	Gels: I/10		El. Stab						
Footage	3551	35	API W/L		WPS						
Hours	52	1.5	HTHP W/L								
Mfgr	Drilformance	Drilformance	Cake API/HTH								

Detailed Drilling Report													
Lease:		ULS 5-9 Unit 6			API #:		42-003-47556			Report #:		9	
Operator:		Zarvona Energy			Spud Date:		06/30/17			Report Date:		7/7/17	
GL	3,030	Depth (MD)	5,435	County	Andrews	Rig	Norton Rig #2			AFE #	NA 9-6-1		
KB-GL	17.0'	TVD	5,435	State	Texas	Toolpusher	Chris Castillo 806-6327105						
				Co Supv	DC Torres		Lupe Ramos 806-7772125						
				Co Supv	Ron Kidd								
PRESENT OPERATIONS													
Nipping down bop													
LAST 24 HOUR SUMMARY													
POH to 8'' dc's , R/u lay down machine , Lay down 8'' dc's & motor & bit , Clean rig floor , R/u casing tool , Run 9.5/8 to 5428' , Circ while W.O BJ , R/u BJ , Cement 9.5/8 csg , R/d BJ , N/D Bop													
DRILL PIPE							BHA						
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT				LENGTH		
147	4656	5	19.5	G-105	4.5IF		Bit				1.25		
											0.00		
							Mud Mtr				30.90		
							Shock Sub				13.19		
LAST CASING STRINGS							IBS						
SIZE	TOP	BOTTOM	WT	GRADE	CONN		6 X 8" DC				181.53		
20"	0	60'					XO				3.57		
13.375	0	1844	54.5	J-55	BTC		18 X 6.25DC				540.94		
9.625	0	5428	40	HC L80/J55	LTC		XO				2.09		
							338jnts 5" 19.5#/ft G-105 DP on Loc. (Norton)						
							TOTAL				779.79		
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS									
7:00	8:00	1.00		Finish POH to 8" DC.									
8:00	9:00	1.00		PJSM and rig up Lewis lay down machine.									
9:00	10:00	1.00		L/D 8" DC, IBS, SS and mud Mtr. And bit.									
10:00	11:00	1.00		Clean rig floor, PJSM and rig up casing tools.									
11:00	3:30	4.50		Run 9.625 40#/ft casing, Wash down 30 ft									
3:30	5:00	1.50		Circ b/u while W.O.BJ									
5:00	11:30	6.50		W.O.BJ / Circ									
11:30	1:30	2.00		S/M , Rig up bj									
1:30	4:30	3.00		Change lines, test lines to 4500 psi, pump 40 bbls fresh water spacer. Lead Cmt 1172sx 50:50 Poz premium plus C Cmt = 511bbls @ 11.8ppg 2.45 yield 14.08 gals/sx. Tail cmt 262 sx premium plus C Cmt = 60 bbls @ 14.8ppg 1.33 yield 6.31 gals/sx. Had full returns, final cir pressure 700 psi @ 3bpm bump plug @ 4:33hr. with 1300psi, floats not holding, Spacer returns to surface= 10 bbls									
4:30	5:30	1.00		Rig down BJ mud lines.									
5:30	7:00	1.50		N/D bop to set 9.5/8 csg slips									
				Cents: 5381,5334,5198,5063,4927,4792,4656,4520,4391,4255,4120,3984,3849,3714,3578,3452,3325,3199									
				3072,2946,2819,2693,257,2440,2314,2187,2061,1934,1808,1681,1555,1428,1302,1175,1049,923,796,670,									
TOTAL		24.0		544,417,291,164,38'									
STRING WEIGHT		GAS											
ROTATING	180	Bkgd Gas		Start		6215	Cuttings	0	Pump No.	No. 1	No. 2		
UP		Conn Gas		Received		0	Surface	0	Make/Model	PZ11	PZ11		
DOWN		Trip Gas		End		5682	Hole	0	SPR (SPM)				
TORQUE		Max Gas		Used		533	Centrifuge	0	@ # (psi)				
				Rate (\$/gal)		1.92			Stroke, in.	11	11		
				Total Cost (\$)		22772.21			Liner	6.5	6.5		
BIT RECORD			MUD			S.P.M.			70	0			
Number	2		Type	BW	Solids				Rate, G.P.M.	315	0		
Size, in.	12.25		Time		O/W Cont.				Press, psi	150	0		
Type	DF616X2-ER01		Company		Solids adj Salt								
Serial No.	23490		FL Temp (deg F)		Alk P mud								
Jets, 32nds	3x18 5x20		Depth		Lime								
W.O.B., lb.	25/30k		Density ppg	9.9	Salt								
R.P.M.	65		Viscosity	33	O/W Ratio								
Depth out, ft	5435		PV/YP		Chlorides								
Depth in, ft	1884		Gels: I/10		El, Stab								
Footage	3551		API W/L		WPS								
Hours	52		HTHP W/L										
Mfgr	Drilformance		Cake API/HTH										

Detailed Drilling Report													
Lease:		ULS 5-9 Unit 6			API #:		42-003-47556			Report #:		8	
Operator:		Zarvona Energy			Spud Date:		06/30/17			Report Date:		7/6/17	
GL	3,030	Depth (MD)	5,435	County	Andrews	Rig	Norton Rig #2			AFE #	NA 9-6-1		
KB-GL	17.0'	TVD	5,435	State	Texas	Toolpusher	Chris Castillo 806-6327105						
				Co Supv	DC Torres		Lupe Ramos 806-7772125						
				Co Supv	Ron Kidd								
PRESENT OPERATIONS													
Tripping out.													
LAST 24 HOUR SUMMARY													
Drill to 5118' , Rig service , Drill to 5435 TD , Pump 2- 40 bbls sweeps / Circ hole clean , Short trip No drag / No fill on bottom , Pump 2-40 bbls sweeps / circ hole clean , Trip out to run 9.5/8 csg													
DRILL PIPE							BHA						
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT				LENGTH		
147	4656	5	19.5	G-105	4.5IF		Bit				1.25		
											0.00		
							Mud Mtr				30.90		
							Shock Sub				13.19		
LAST CASING STRINGS							IBS						
SIZE	TOP	BOTTOM	WT	GRADE	CONN		6 X 8" DC				181.53		
20"	0	60'					XO				3.57		
13.375	0	1844	54.5	J-55	BTC		18 X 6.25DC				540.94		
							XO				2.09		
							338jnts 5" 19.5#/ft G-105 DP on Loc. (Norton)						
							TOTAL				779.79		
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS									
7:00	13:00	6.00		Drill 12¼" hole from 4,885' to 5,118' (233' @38 fph) wob 15/35k, rpm 65/50, diff # 150/250, spp 2300psi, gpm 700 , MW 9.8+ ppg									
13:00	13:30	0.50		Service rig and TDS, grease block and crown block sheaves.									
13:30	21:30	8.00		Drill 12¼" hole from 5,118' to 5,435"TD (317' @ 39 fph) wob 15/35k, rpm 65/50, diff # 150/250, spp 2300psi, gpm 700 , MW 9.8+ ppg ((pump 40 bbls sweep @ 5403'))									
21:30	23:00	1.50		Pump 40 bbls sweep , Circ hole clean @ 5435'									
23:00	2:30	3.50		Short Trip , no drag , wash down 60 ft no fill									
2:30	4:30	2.00		Pump 2 - 40 bbls sweeps , Circ hole clean.									
4:30	7:00	2.50		Trip out to run 9.5/8 csg									
				Notify TRRC on up coming casing run / cement job (Audrey Operator # 2 @ 11:36 pm 7/5/17)									
TOTAL		24.0											
STRING WEIGHT		GAS		DIESEL (GAL)			TOTAL OBM LOSS		HYDRAULICS				
ROTATING	157k	Bkgd Gas	25	Start		8167	Cuttings	0	Pump No.	No. 1	No. 2		
UP	165k	Conn Gas	523	Received		0	Surface	0	Make/Model	PZ11	PZ11		
DOWN	146k	Trip Gas	620	End		6215	Hole	0	SPR (SPM)				
TORQUE	8500	Max Gas	630	Used		1952	Centrifuge	0	@ # (psi)				
				Rate (\$/gal)		1.92			Stroke, in.	11	11		
				Total Cost (\$)		22772.21			Liner	6.5	6.5		
BIT RECORD			MUD						S.P.M.	85	85		
Number	2		Type	BW	Solids				Rate, G.P.M.	770	770		
Size, in.	12.25		Time		O/W Cont.				Press, psi	1950	1950		
Type	DF616X2-ER01		Company		Solids adj Salt								
Serial No.	23490		FL Temp (deg F)		Alk P mud								
Jets, 32nds	3x18 5x20		Depth		Lime								
W.O.B., lb.	25/30k		Density ppg	9.8	Salt								
R.P.M.	65		Viscosity	36	O/W Ratio								
Depth out, ft	5435		PV/YP		Chlorides								
Depth in, ft	1884		Gels: I/10		El. Stab								
Footage	3551		API W/L		WPS								
Hours	52		HTHP W/L										
Mfgr	Drilformance		Cake API/HTH										

Detailed Drilling Report											
Lease:	ULS 5-9 Unit 6			API #:	42-003-47556			Report #:	7		
Operator:	Zarvona Energy			Spud Date:	06/30/17			Report Date:	7/5/17		
GL	3,030	Depth (MD)	4,885	County	Andrews	Rig	Norton Rig #2	AFE #	NA 9-6-1		
KB-GL	17.0'	TVD	4,885	State	Texas	Toolpusher	Chris Castillo 806-6327105				
				Co Supv	DC Torres		Lupe Ramos 806-7772125				
				Co Supv	Ron Kidd						
PRESENT OPERATIONS											
Drilling 12¼" hole section @ 4885'											
LAST 24 HOUR SUMMARY											
Drill to 4268' , Rig service , Drill to 4766' , Mud going over bell nipple , flow check , Remove bell nipple and install Rot-head , Drill to 4885'											
DRILL PIPE							BHA				
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT		LENGTH		
127	4106	5	19.5	G-105	4.5IF		Bit		1.25		
									0.00		
							Mud Mtr		30.90		
							Shock Sub		13.19		
LAST CASING STRINGS							IBS		6.32		
SIZE	TOP	BOTTOM	WT	GRADE	CONN		6 X 8" DC		181.53		
20"	0	60'					XO		3.57		
13.375	0	1844	54.5	J-55	BTC		18 X 6.25DC		540.94		
							XO		2.09		
							338jnts 5" 19.5#/ft G-105 DP on Loc. (Norton)				
							TOTAL		779.79		
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS							
7:00	18:00	11.00		Drill 12¼" hole from 3327' to 4268' (941' @ 85.5 fph) WOB 15 / 20k , RPM 65 , DIFF PRESS 200 , SPP 1850 , GPM 700 , MW 9.7 ppg							
18:00	18:30	0.50		Rig Service							
18:30	3:00	8.50		Drill 12¼" hole from 4268' to 4766' (498' @ 55.33 fph) WOB 20 / 25k , RPM 65 , DIFF PRESS 200 , SPP 1850 , GPM 700 , MW 9.7 ppg							
3:00	4:00	1.00		Mud going over bell nipple , shut down flow check , bubbling ((gas 199 unit)) remove bell nipple and install rot-head							
4:00	7:00	3.00		Drill 12¼" hole from 4766' to 4885' (119 ' @ 40 fph) WOB 25 / 30k , RPM 65 , DIFF PRESS 200 , SPP 1950 , GPM 700 , MW 9.7+ ppg ((BGG 68 unit)) ((formation 30% anhdrite, 30% Dolomite , 20% Shale , 20% sandstone))							
TOTAL		24.0									
STRING WEIGHT		GAS		DIESEL (GAL)			TOTAL OBM LOSS		HYDRAULICS		
ROTATING	157k	Bkgd Gas	68	Start		4874	Cuttings	0	Pump No.	No. 1	No. 2
UP	165k	Conn Gas	540	Received		5000	Surface	0	Make/Model	PZ11	PZ11
DOWN	146k	Trip Gas		End		8167	Hole	0	SPR (SPM)		
TORQUE	8500	Max Gas	199	Used		1707	Centrifuge	0	@ # (psi)		
				Rate (\$/gal)		1.92			Stroke, in.	11	11
				Total Cost (\$)		22772.21			Liner	6.5	6.5
BIT RECORD			MUD			S.P.M.			85	85	
Number	2		Type	BW	Solids				Rate, G.P.M.	770	770
Size, in.	12.25		Time		O/W Cont.				Press, psi	1950	1950
Type	DF616X2-ER01		Company		Solids adj Salt						
Serial No.	23490		FL Temp (deg F)		Alk P mud						
Jets, 32nds	3x18 5x20		Depth		Lime						
W.O.B., lb.	25/30k		Density ppg	9.7+	Salt						
R.P.M.	65		Viscosity	33	O/W Ratio						
Depth out, ft			PV/YP		Chlorides						
Depth in, ft	1884		Gels: l/10		El. Stab						
Footage	3001		API W/L		WPS						
Hours	38		HTHP W/L								
Mfgr	Drilformance		Cake API/HTH								

Detailed Drilling Report												
Lease:		ULS 5-9 Unit 6			API #:		42-003-47556			Report #:		6
Operator:		Zarvona Energy			Spud Date:		06/30/17			Report Date:		7/4/17
GL	3,030	Depth (MD)	3327'	County	Andrews	Rig	Norton Rig #2			AFE #	NA 9-6-1	
KB-GL	17.0'	TVD	3327'	State	Texas	Toolpusher	Chris Castillo 806-6327105					
				Co Supv	DC Torres		Lupe Ramos 806-7772125					
				Co Supv	Ron Kidd							
PRESENT OPERATIONS												
Drilling @ 3327'												
LAST 24 HOUR SUMMARY												
Test bop , Chg over pvc lines ,M/u bit , TIH , Disp well with 9.6ppg BW, Test sg to 1500 for 30 min good test, Drill float Eq ,Drill from 1884 to 2000',Rig service , Drill from 2000' to 3327.												
DRILL PIPE							BHA					
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT			LENGTH		
80	2548	5	19.5	G-105	4.5IF		Bit			1.25		
										0.00		
							Mud Mtr			30.90		
							Shock Sub			13.19		
LAST CASING STRINGS							IBS					
SIZE	TOP	BOTTOM	WT	GRADE	CONN		6 X 8" DC			181.53		
20"	0	60'					XO			3.57		
13.375	0	1844	54.5	J-55	BTC		18 X 6.25DC			540.94		
							XO			2.09		
							338jnts 5" 19.5#/ft G-105 DP on Loc. (Norton)					
							TOTAL			779.79		
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS								
7:00	8:00	1.00		Test BOPE, chokes 500/1500psi.								
8:00	9:00	1.00		Chg over flow, and dump lines to middle reserve pit (Brine)								
9:00	11:30	2.50		M/U 12¼" bit and TIH.								
11:30	12:00	0.50		Displace well with 9.6ppg brine water.								
12:00	12:30	0.50		Test surface csg to 1500psi, charted for 30 min.								
12:30	13:00	0.50		Test annular 1200 psi.								
13:00	15:00	2.00		Drill cmt and float Eq. wash and ream f/1,844' t/1,884'								
15:00	17:00	2.00		Drill 12¼" hole f/1,884 t/2,000'								
17:00	17:30	0.50		Service rig and TDS.								
17:30	7:00	13.50		Drill 12¼" hole from 2000 to 3327 (1327 @ 98.2 fph) WOB 15 / 20k , RPM 65 , DIFF PRESS 200 , SPP 1850 , GPM 700 , MW 9.7 ppg								
TOTAL		24.0										
STRING WEIGHT		GAS		DIESEL (GAL)			TOTAL OBM LOSS		HYDRAULICS			
ROTATING		Bkgd Gas		Start		6015	Cuttings	0	Pump No.	No. 1	No. 2	
UP		Conn Gas		Received		0	Surface	0	Make/Model	PZ11	PZ11	
DOWN		Trip Gas		End		4874	Hole	0	SPR (SPM)			
TORQUE		Max Gas		Used		1141	Centrifuge	0	@ # (psi)			
				Rate (\$/gal)		1.87			Stroke, in.	11	11	
				Total Cost (\$)		12973.45			Liner	6.5	6.5	
BIT RECORD			MUD									
Number	2		Type	BW	Solids				S.P.M.	85	85	
Size, in.	12.25		Time		O/W Cont.				Rate, G.P.M.	770	770	
Type	DF616X2-ER01		Company		Solids adj Salt				Press, psi	1850	1850	
Serial No.	23490		FL Temp (deg F)		Alk P mud							
Jets, 32nds	3x18 5x20		Depth		Lime							
W.O.B., lb.	15/20K		Density ppg	9.7	Salt							
R.P.M.	65		Viscosity	33	O/W Ratio							
Depth out, ft			PV/YP		Chlorides							
Depth in, ft	1888		Gels: l/10		El. Stab							
Footage	1443		API W/L		WPS							
Hours	15.5		HTHP W/L									
Mfgr	Drillformance		Cake API/HTH									

Detailed Drilling Report													
Lease:		ULS 5-9 Unit 6			API #:		42-003-47556			Report #:		5	
Operator:		Zarvona Energy			Spud Date:		06/30/17			Report Date:		7/3/17	
GL	3,030	Depth (MD)	1,884	County	Andrews	Rig	Norton Rig #2			AFE #	NA 9-6-1		
KB-GL	17.0'	TVD	1,884	State	Texas	Toolpusher	Chris Castillo 806-6327105						
				Co Supv	DC Torres		Lupe Ramos 806-7772125						
				Co Supv	Ron Kidd								
PRESENT OPERATIONS													
Testing BOPE													
LAST 24 HOUR SUMMARY													
R/u pickup machine, M/U shoe track/ Run 13 3/8 csg to 1844', Circ B/u , Mix/pump cement Full returns got 144 bbls back to surface, float held, WOC, cut and drain conductor and 13.3/8 csg , install and weld on WH Test WH to 900 psi, NU Bop, Chg rams to 5", Test Bop													
DRILL PIPE							BHA						
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT				LENGTH		
35	1101.4	5	19.5	G-105	4.5IF		Bit				1.00		
											0.00		
							Mud Mtr				30.90		
							Shock Sub				13.19		
LAST CASING STRINGS							IBS				0.00		
SIZE	TOP	BOTTOM	WT	GRADE	CONN		6 X 8" DC				181.53		
20"	0	60'					XO				3.57		
13.375	0	1844	54.5	J-55	BTC		18 X 6.25DC				540.94		
							XO				2.09		
							338jnts 5" 19.5#/ft G-105 DP on Loc. (Norton)						
							TOTAL				773.22		
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS									
7:00	7:30	0.50		Rig up pickup machine., held JSA									
7:30	9:00	1.50		MU shoe jnt and pump thru, run 13.375" 54.5#/ft J-55 BTC to surface. Tag @ 1,794'									
9:00	10:00	1.00		Wash 50' to 1,844', Ttl csg ran 45 jnts, Shoe, 2jnts, FC, 43 jnts= 1848.24'. Shoe @ 1844' top FC @ 1758.73'									
10:00	12:00	2.00		CBU @ 1,844'. Rig down Csg tools., Cir WO BJ booster pump. Held PJSM									
12:00	3:00	3.00		Change lines, test lines to 2M psi, pump 40 bbls fresh water spacer. Lead cmt 1499sx 50:50 Poz premium plus C Cmt =470bbls @ 12.8ppg 2.77 yield 9.274 gals/sx. Tail cmt 451 sx premium plus C Cmt = 107 bbls @ 14.8ppg 1.33 yield 6.317 gals/sx. Had full returns, final cir pressure 490psi @ 3bpm bump plug @ 1443hr. with 960psi, floats holding, bleed back 2.5bbls. Cement returns to surface= 144 bbls									
3:00	7:00	4.00		PJSM, rig down BJ cmt lines, WO Cmt. Jet and clean mud pits.									
7:00	8:00	1.00		Cut and drain conductor and 13.375 csg lay down same									
8:00	10:00	2.00		Dress 13.375 csg , and Install 13 5/8 3M x 13.375 Sow Csg Head , and Test to 900 Psi Test good									
10:00	6:30	8.50		Stack BOP and NU Stack and change out pipe rams from 4" to 5" rams									
6:30	7:00	0.50		Function Test BOPE.									
				Bowspring Centralzations: 1822,1718,1594,1472,1349,1223,1101,978,855,732,610,487,364,241,159'									
TOTAL		24.0											
STRING WEIGHT		GAS		DIESEL (GAL)			TOTAL OBM LOSS		HYDRAULICS				
ROTATING		Bkgd Gas		Start	6412	Cuttings	0	Pump No.	No. 1	No. 2			
UP		Conn Gas		Received	0	Surface	0	Make/Model	PZ11	PZ11			
DOWN		Trip Gas		End	6015	Hole	0	SPR (SPM)					
TORQUE		Max Gas		Used	397	Centrifuge	0	@ # (psi)					
				Rate (\$/gal)	1.87			Stroke, in.	11	11			
				Total Cost (\$)	12973.45			Liner	6.5	6.5			
BIT RECORD				MUD				S.P.M.	85	85			
Number	1	2	Type		Solids				Rate, G.P.M.	770	770		
Size, in.	17.5"	12.25	Time		O/W Cont.				Press, psi	1850	1850		
Type	DF619	DF616X2-ER01	Company		Solids adj Salt								
Serial No.	13579	23490	FL Temp (deg F)		Alk P mud								
Jets, 32nds	9X20's	3x18 5x20	Depth		Lime								
W.O.B., lb.	10-20K		Density ppg	8.9	Salt								
R.P.M.	65		Viscosity		O/W Ratio								
Depth out, ft	1884		PV/YP		Chlorides								
Depth in, ft	77	1888	Gels: I/10		El. Stab								
Footage	1807		API W/L		WPS								
Hours	21	0	HTHP W/L										
Mfgr	Drilformance	Drilformance	Cake API/HTH										

Detailed Drilling Report												
Lease:		ULS 5-9 Unit 6			API #:		42-003-47556			Report #:		4
Operator:		Zarvona Energy			Spud Date:		06/30/17			Report Date:		7/2/17
GL	3,030	Depth (MD)	1,884	County	Andrews	Rig	Norton Rig #2			AFE #	NA 9-6-1	
KB-GL	17.0'	TVD	1,884	State	Texas	Toolpusher	Chris Castillo 806-6327105					
				Co Supv	DC Torres		Lupe Ramos 806-7772125					
				Co Supv	Ron Kidd							
PRESENT OPERATIONS												
Rig up Lewis pick up machine												
LAST 24 HOUR SUMMARY												
work on top drive , Drill to 1884 TD , Circ and pumps sweeps , short trip tight hole from 1414 to 782' back ream out , trip in , circ and pump sweeps , Trip out tight hole from 1789 to 1599 back ream , trip out from 1599 to surface no drag , clean rig floor and rig up casing tools w.o pickup machine , r/u same												
DRILL PIPE							BHA					
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT			LENGTH		
35	1101.4	5	19.5	G-105	4.5IF		Bit			1.00		
							Bit Sub			1.40		
							Mud Mtr			30.90		
							Shock Sub			13.19		
LAST CASING STRINGS							IBS					7.98
SIZE	TOP	BOTTOM	WT	GRADE	CONN		6 X 8" DC			181.53		
20"	0	60'					XO			3.57		
							18 X 6.25DC			540.94		
							XO			2.09		
							TOTAL			782.6		
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS								
7:00	11:00	4.00	TDS	Troubleshoot TDS, will not rotate. WO Norton electrician. Repair loose 20pin connection on TDS.								
11:00	15:30	4.50		Drill ahead f/1,535' t/ TD 1,884', pump sweep.								
15:30	17:00	1.50		CBU pump 2 hi-vis sweeps, cir hole clean.								
17:00	19:00	2.00		Trip out , Tight hole from 1414' to 782 @ BHA 50+k over pull , back ream from 1414' to 782'								
19:00	20:30	1.50		Ream back in hole from 782' to 1414' , trip in from 1414 to 1884' , Had 60' of fill on bottom.								
20:30	23:00	2.50		Circ and mix / Pump 60 bbls sweep and Circ hole clean, and spot a 50 hi-vis pill on bottom.								
23:00	2:00	3.00		Trip out tight hole from 1789' to 1599' back ream / packing off , pulling free from 1599 to surface								
2:00	3:00	1.00		Lay stb , bit , bit sub , stand back motor								
3:00	4:00	1.00		Clean rig floor / change out rig elevator								
4:00	6:30	2.50		WO Byrd pickup machine. (R/U csg crew)								
6:30	7:00	0.50		Rig up Lewis pick up machine								
				Notify TRRC on up coming casing run / cement job (Sandy Operator # 5 @ 7:30 pm)								
TOTAL		24.0		338 jnts 5" 19.5#/ft G-105 DP on location								
STRING WEIGHT		GAS		DIESEL (GAL)		TOTAL OBM LOSS		HYDRAULICS				
ROTATING		Bkgd Gas		Start	7666	Cuttings	0	Pump No.	No. 1	No. 2		
UP		Conn Gas		Received	0	Surface	0	Make/Model	PZ11	PZ11		
DOWN		Trip Gas		End	6412	Hole	0	SPR (SPM)				
TORQUE		Max Gas		Used	1254	Centrifuge	0	@ # (psi)				
				Rate (\$/gal)	1.87				Stroke, in.	11	11	
				Total Cost (\$)	12973.45				Liner	6.5	6.5	
BIT RECORD			MUD						S.P.M.	85	85	
Number	1		Type		Solids					Rate, G.P.M.	770	770
Size, in.	17.5"		Time		O/W Cont.					Press, psi	1850	1850
Type	DF619		Company		Solids adj Salt							
Serial No.	13579		FL Temp (deg F)		Alk P mud							
Jets, 32nds	9X20's		Depth		Lime							
W.O.B., lb.	10-20K		Density ppg	8.9	Salt							
R.P.M.	65		Viscosity		O/W Ratio							
Depth out, ft	1884		PV/YP		Chlorides							
Depth in, ft	77		Gels: I/10		El. Stab							
Footage	1807		API W/L		WPS							
Hours	21		HTHP W/L									
Mfgr	Drilformance		Cake API/HTH									

Detailed Drilling Report												
Lease:		ULS 5-9 Unit 6			API #:		42-003-47556			Report #:		3
Operator:		Zarvona Energy			Spud Date:		06/30/17			Report Date:		7/1/17
GL	3,030	Depth (MD)	1,535	County	Andrews	Rig	Norton Rig #2			AFE #	NA 9-6-1	
KB-GL	17.0'	TVD	1,535	State	Texas	Toolpusher	Chris Castillo 806-6327105					
				Co Supv	DC Torres		Lupe Ramos 806-7772125					
				Co Supv	Ron Kidd							
PRESENT OPERATIONS												
Working On TDS.												
LAST 24 HOUR SUMMARY												
Repair rig, P/U and M/U BHA, Spud well @ 1130. Drill f/77' to 1059' , Chg out elevator / saver sub , Drill to 1059 , Run Survey , Drill to 1100' , Work on transfer pump , Drill to 1535'												
DRILL PIPE							BHA					
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT			LENGTH		
24	753	5	19.5	G-105	4.5IF		Bit			1.00		
							Bit Sub			1.40		
							Mud Mtr			30.90		
							Shock Sub			13.19		
LAST CASING STRINGS							IBS			7.98		
SIZE	TOP	BOTTOM	WT	GRADE	CONN		6 X 8" DC			181.53		
20"	0	60'					XO			3.57		
							18 X 6.25DC			540.94		
							XO			2.09		
							TOTAL			782.6		
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS								
7:00	8:30	1.50		Repair TDS gripper box.								
8:30	10:00	1.50		Repair leak on Drawworks water spear.								
10:00	11:30	1.50		Pick up and M/U mud Mtr and surface test, M/U bit, IBS and shock sub.								
11:30	10:00	10.50		Tagged @ 77' (RKB 17'), Spud well 6/30/17 @ 11:30 AM, Drlg f/77' to 782'								
10:00	23:00	1.00		Circ and change out Rig elevator inserts from 4.1/2 to 5" drill pipe and change out top drive saver sub from 4.1/2 xh to 4.1/2 if.								
23:00	23:30	0.50		Drill from 782' to 1059'								
23:30	12:00	0.50		Circ for 15 min. and Run survey 1/2								
12:00	0:30	0.50		Drill from 1059' to 1100' (Reserve pit Transfer pump went down)								
0:30	1:30	1.00		Work on transfer pump. Need to get a electrician , Rig up hoses to mud pit pumps , fill mud tanks back up with water								
1:30	6:30	5.00		Drill from 1120' to 1535'								
6:30	7:00	0.50	TDS	Made connection @ 1535' and TDS would not rotate, CBU @ 770 gpm, cir @ 400gpm while working on TD								
TOTAL		24.0		338 jnts 5" 19.5#/ft G-105 DP on location								
STRING WEIGHT		GAS		DIESEL (GAL)			TOTAL OBM LOSS		HYDRAULICS			
ROTATING		Bkgd Gas		Start	8659		Cuttings	0	Pump No.	No. 1	No. 2	
UP		Conn Gas		Received	0		Surface	0	Make/Model	PZ11	PZ11	
DOWN		Trip Gas		End	7666		Hole	0	SPR (SPM)			
TORQUE		Max Gas		Used	993		Centrifuge	0	@ # (psi)			
				Rate (\$/gal)	1.87				Stroke, in.	11	11	
				Total Cost (\$)	12973.45				Liner	6.5	6.5	
BIT RECORD			MUD									
Number	1		Type		Solids							
Size, in.	17.5"		Time		O/W Cont.							
Type	DF619		Company		Solids adj Salt							
Serial No.	13579		FL Temp (deg F)		Alk P mud							
Jets, 32nds	9X20's		Depth		Lime							
W.O.B., lb.	10-20K		Density ppg	8.9	Salt							
R.P.M.	65		Viscosity		O/W Ratio							
Depth out, ft			PV/YP		Chlorides							
Depth in, ft	77		Gels: I/10		El. Stab							
Footage	1458		API W/L		WPS							
Hours	16.5		HTHP W/L									
Mfgr	Drilformance		Cake API/HTH									

Detailed Drilling Report														
Lease:		ULS 5-9 Unit 6			API #:		42-003-47556			Report #:		2		
Operator:		Zarvona Energy			Spud Date:					Report Date:		6/30/17		
GL	3,030	Depth (MD)	60	County	Andrews	Rig	Norton Rig #2			AFE #	NA 9-6-1			
KB-GL	17.0'	TVD	60	State	Texas	Toolpusher	Chris Castillo 806-6327105							
				Co Supv	DC Torres		Lupe Ramos 806-7772125							
				Co Supv	Ron Kidd									
PRESENT OPERATIONS														
SLM BHA														
LAST 24 HOUR SUMMARY														
Finish moving in, R/U and raised derrick. R/U rig floor, TDS, N/U conductor pipe.														
DRILL PIPE							BHA							
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT				LENGTH			
							Bit				1.00			
							Bit Sub				1.40			
							Mud Mtr				30.90			
							Shock Sub				13.19			
LAST CASING STRINGS							IBS						7.98	
SIZE	TOP	BOTTOM	WT	GRADE	CONN		6 X 8" DC							
20"	0	60'					XO				3.57			
							18 X 6.25DC							
							XO				2.09			
							TOTAL				60.13			
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS										
7:00	7:00	24.00		Finish moving in, R/U and P/U derick @ 1200, R/U floor, MP's, pits, R/U TDS and function test. Fill pits with water, R/U SS slides and dump lines, N/U conductor pipe, SLM BHA										
7:00														
0:00														
0:00														
0:00														
0:00														
0:00														
TOTAL		24.0												
STRING WEIGHT		GAS		DIESEL (GAL)			TOTAL OBM LOSS		HYDRAULICS					
ROTATING		Bkgd Gas		Start	1985	Cuttings	0	Pump No.	No. 1	No. 2				
UP		Conn Gas		Received	6800	Surface	0	Make/Model	PZ11	PZ11				
DOWN		Trip Gas		End	8785	Hole	0	SPR (SPM)						
TORQUE		Max Gas		Used	126	Centrifuge	0	@ # (psi)						
				Rate (\$/gal)	1.87			Stroke, in.	11	11				
				Total Cost (\$)	12973.45			Liner	6.5	6.5				
BIT RECORD		MUD						S.P.M.						
Number	1	Type		Solids				Rate, G.P.M.						
Size, in.	17.5"	Time		O/W Cont.				Press, psi						
Type	DF619	Company		Solids adj Salt										
Serial No.	13579	FL Temp (deg F)		Alk P mud										
Jets, 32nds	9X20's	Depth		Lime										
W.O.B., lb.		Density ppg		Salt										
R.P.M.		Viscosity		O/W Ratio										
Depth out, ft		PV/YP		Chlorides										
Depth in, ft		Gels: I/10		El. Stab										
Footage		API W/L		WPS										
Hours		HTHP W/L												
Mfgr		Cake API/HTH												

Detailed Drilling Report												
Lease:		ULS 5-9 Unit 6			API #:		42-003-47556			Report #:		1
Operator:		Zarvona Energy			Spud Date:					Report Date:		6/29/17
GL	3,030	Depth (MD)	60	County	Andrews	Rig	Norton Rig #2			AFE #	NA-9-5-1	
KB-GL	17.0'	TVD	60	State	Texas	Toolpusher	Chris Castillo 806-6327105					
				Co Supv			Lupe Ramos 806-7772125					
				Co Supv	DC Torres							
PRESENT OPERATIONS												
MI and RU												
LAST 24 HOUR SUMMARY												
MOB rig to location, spot substructure and rig up.												
DRILL PIPE							BHA					
# JTS	LENGTH	OD	WT	GRADE	CONN		EQUIPMENT			LENGTH		
LAST CASING STRINGS												
SIZE	TOP	BOTTOM	WT	GRADE	CONN							
20"	0	60'										
							TOTAL			--		
START TIME	END TIME	HOURS	NPT	DAILY OPERATIONS								
7:00	7:00	24.00		6/28/2017, MI and RU, 1st load on location @ 10:00, set mud pits. Crane @ 1500, substructure @ 1815, Spot and center substructure, pin derrick. Shut down @ 2130. No men working								
		0.00										
		0.00										
		0.00										
		0.00										
		0.00										
		0.00										
		0.00										
		0.00										
		0.00										
		0.00										
		0.00										
		0.00										
		0.00										
TOTAL		24.0										
STRING WEIGHT		GAS		DIESEL (GAL)			TOTAL OBM LOSS		HYDRAULICS			
ROTATING		Bkgd Gas		Start	0	Cuttings		Pump No.	No. 1	No. 2		
UP		Conn Gas		Received	0	Surface	20	Make/Model	PZ11	PZ11		
DOWN		Trip Gas		End	0	Hole	0	SPR (SPM)				
TORQUE		Max Gas		Used	0	Centrifuge	0	@ # (psi)				
				Rate (\$/gal)				Stroke, in.	11	11		
				Total Cost (\$)				Liner	6.5	6.5		
BIT RECORD				MUD				S.P.M.				
Number	1		Type		Solids				Rate, G.P.M.			
Size, in.	17.5		Time		O/W Cont.				Press, psi			
Type	DF619		Company		Solids adj Salt							
Serial No.	13579		FL Temp (deg F)		Alk P mud							
Jets, 32nds	9X20's		Depth		Lime							
W.O.B., lb.			Density ppg		Salt							
R.P.M.			Viscosity		O/W Ratio							
Depth out, ft			PV/YP		Chlorides							
Depth in, ft			Gels: I/10		El. Stab							
Footage			API W/L		WPS							
Hours			HTHP W/L									
Mfgr			Cake API/HTH									