

DRILLING REPORT

WELL: UL Maroon 0904-21 1H					CONTRACTOR: Capstar					RIG: Capstar 122			
RPT DATE: May 1, 2018					SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
			API #:	42495341080000	DFS: 1		Conductor		20	52		93	93
					REPORT NO: 1								
FIELD: WC/BS					DOL: 7								
ELEV:		2,832	RKB:	13	LAST BOP TEST:								
MD:		1,068	TVD:	1,067									
24 HR FTG:		1,068	HRS DRLG: 9		CSGHD:								

DRILLING FLUID															SHOE TEST:					
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
17:00	8.4	28.0		1	1	8.0		1	1	1	1	1	4,200		0.03	0.01	1,240		0.01	
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1								
												#2								

BIT DATA																																	
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP													
1		17.50		Ultrerra		U616S		34543		9x16's				93	1,068	975	9.0	15	153	108													
BIT NO.				INNER				OUTER				DULL				LOC				SEAL				GAUGE				OTHER				RP	

HYDRAULICS DATA														
PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDENER DENVER	PZ10	6.500	10.000	110	2000	900		95					
2	GARDENER DENVER	PZ10	6.500	10.000	110	2000	900		95					

BHA						
DESCRIPTION:	Surface BHA					
LENGTH	616.11	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS
ROT. WT.	83	P.U. WT.	86	S.O. WT.	79	TORQUE
TIME MADE UP	17:00	DATE MADE UP	4/30/2018	TIME PULLED		DATE PULLED

SURVEY DATA								
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
371	1.62	116.06	371	-2.9	6.4	-4.7	0.5	
461	0.89	123.44	461	-3.8	8.1	-6.2	0.8	
632	2.60	320.88	632	-1.6	6.8	-3.6	2.0	
802	1.98	298.47	802	2.8	1.7	2.2	0.6	

CONSUMABLES	DIESEL FUEL (gal) Rcvd/Used/On Hand:	DRILL H2O (gal) Rcvd/Used/On Hand:	
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OPERATIONS TIME LOG

FROM	TO	HRS	CODE		Start MD	End MD
06:00	07:00	1.0	Rig Up & Tear Down	Rig down, lower derrick, Contacted TRRC about spud notice.	93	93
07:00	09:00	2.0	Rig Up & Tear Down	Skid Rig, Move dog house and HPU F/UL Maroon 0409-21-3H w/Hooper Trucking	93	93
09:00	17:00	8.0	Rig Up & Tear Down	Rig up, accepted rig @ 17:00	93	93
17:00	19:00	2.0	Dir Work	P/U 17 1/2" Ulterra PDC, Hunting 7/8, 4.0 1.5 degree, .17 rpg motor, and SLB directional BHA.	93	93
19:00	21:00	2.0	Repair Rig	Wash on module on #1 mud Pump, welder welded it up. Capstar ordered new module as per rig manger.	93	93
21:00	06:00	9.0	Drilling	Spud in Drill: F/ 93' T/ 1068' (975' @ 108.3 fph) WOB 5-20, ROT 75, TQ 10- 15K, GPM 900, MM-rpm 153, SPP 2600, DIFF 300-400.	93	1068
TOTAL HRS		24.0				

WEATHER							
GEN. CONDITIONS:	Partly Sunny	WIND SPEED:	8	WIND DIRECTION:	s	TEMP:	63

DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Capstar					RIG:		Capstar 122	
RPT DATE: May 2, 2018				SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
		API #:	42495341080000		DFS: 2	Conductor		20	52		93	93
				REPORT NO: 2	Surface		13-3/8	55	J-55	1,052	1,051	
FIELD: WC/BS				DOL: 8								
ELEV:		2,832	RKB:	13		LAST BOP TEST:						
MD:		1,068	TVD:	1,068								
24 HR FTG:			HRS DRLG:		CSGHD:	2,832						

DRILLING FLUID																SHOE TEST:				
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
17:00	8.4	28.0		1	1	8.0		1	1	1	1	1	4.200		0.03	0.01	1.240		0.01	

REDUCED PUMP RATES

PUMP	SPM	PRESS	DEPTH
#1			
#2			

BIT DATA

NO.	SIZE	MAKE	TYPE	SER NO.	NOZZLES	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	17.50	Ulterra	U616S	34543	9x16's		93	1,068	975	9.0	15	153	108

BIT NO.	1	INNER	1	OUTER	2	DULL	chipped	LOC	Gauge	SEAL	Fixed cut	GAUGE	in gauge	OTHER		RP	TD/CSG
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HYDRAULICS DATA

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDENER DENVER	PZ10	6.500	10.000	60	250	245		95					
2	GARDENER DENVER	PZ10	6.500	10.000	60	250	245		95					

BHA

DESCRIPTION:	Surface BHA						
LENGTH	616.11	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.	83	P.U. WT.	86	S.O. WT.	79	TORQUE	14,000
TIME MADE UP	17:00	DATE MADE UP	4/30/2018	TIME PULLED	12:00	DATE PULLED	5/1/2018

SURVEY DATA

[illegible]

CONSUMABLES	DIESEL FUEL (gal) Rcvd/Used/On Hand:	DRILL H2O (gal) Rcvd/Used/On Hand:
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OPERATIONS TIME LOG

[illegible]

TOTAL HRS	24.0	
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WEATHER

GEN. CONDITIONS:	Partly Sunny	WIND SPEED:	13	WIND DIRECTION:	S	TEMP:	70
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COMMENTS:

DRILLING REPORT

WELL: UL Maroon 0904-21 1H										CONTRACTOR: Capstar										RIG: Capstar 122						
RPT DATE: May 3, 2018										SPUD DATE: 4/30/18					CASING			OD	WT	GRD	MD	TVD				
API #: 42495341080000										DFS: 3					Conductor			20	52		93	93				
										REPORT NO: 3					Surface			13-3/8	55	J-55	1,052	1,051				
FIELD: WC/BS										DOL: 9																
ELEV: 2,832					RKB:		13			LAST BOP TEST: 5/2/18																
MD: 1,351					TVD:		1,350																			
24 HR FTG: 283					HRS DRLG:			3.5		CSGHD:		2,832														
DRILLING FLUID																		SHOE TEST:								
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHF						
17:00	9.9	29.0		1	1	9.0		1	1	1	1	1	162,000		0.05	0.01	1,600		1.38							
												REDUCED PUMP RATES														
												PUMP			SPM			PRESS			DEPTH					
												#1														
#2																										
BIT DATA																										
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP						
2		12.25		REED		TK66		A234629		x15's, 3x14'				1,068		284	4.0		96	71						
BIT NO.				INNER		OUTER		DULL		LOC		SEAL		GAUGE		OTHER		RP								
HYDRAULICS DATA																										
PUMP		MAKE		MODEL		LINER		STK		SPM		PSI		GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP						
1		GARDENER DENVER		PZ10		6.500		10.000		85		2100		700		95										
2		GARDENER DENVER		PZ10		6.500		10.000		85		2100		700		95										
BHA																										
DESCRIPTION:				1st Intermediate BHA																						
LENGTH				870.41				BHA WT. AIR				BHA WT. MUD				HRS. ON JARS										
ROT. WT.				83				P.U. WT.				86				S.O. WT.				79						
TIME MADE UP				18:30				DATE MADE UP				5/2/2018				TIME PULLED				DATE PULLED						
SURVEY DATA																										
MD				ANGLE				AZIMUTH				TVD				N/S		COORDINATES				E/W	V. SECTION		DLS	
998				1.49				278.35				998				4.8		-3.8				5.8		0.4		
1,100				1.34				283.09				1,100				5.3		-6.2				7.0		0.2		
1,270				1.10				273.08				1,270				5.8		-9.8				8.6		0.2		
CONSUMABLES				DIESEL FUEL (gal) Rvcd/Used/On Hand:																						
				DRILL H2O (gal) Rvcd/Used/On Hand:																						
OPERATIONS TIME LOG																										
FROM	TO	HRS	CODE															Start MD	End MD							
06:00	12:00	6.0	Nipple Up B.OP.	NU BOP, Finish Torqueing BOP, changed out choke and kill valve, R/U flow line, choke manifold.														1068	1068							
12:00	14:30	2.5	Test B.OP.	RU BOP Ram test truck. Test Pipes rams 5 min High 5000 psi, 5 min Low 250 psi, Annular 5 min High 3000 psi, Low 5 min 250, Choke Valves 5 min High 5000 psi, Low 5 min 250 psi, Mud cross valves 5 min High 5000 psi, Low 5 min 250 psi, Dart 5 min High 5000 psi, Low 5 min 250 psi, TIW 5 min High 5000 psi, Low 5 min 250 psi.														1068	1068							
14:30	17:30	3.0	Other	Install flow sensor, install wear bushing, load pipe racks with directional BHA and strap same. Swap boom sides.														1068	1068							
17:30	21:30	4.0	Trips	PU 12 1/4" SLB Power V Directional BHA, continue PUu drill collars.														1068	1068							
21:30	23:30	2.0	Other	Load pipe racks, change rotating head rubber and seal, and install rotating head.														1068	1068							
23:30	00:00	0.5	Lubricate Rig	Rig Serivce														1068	1068							
00:00	00:30	0.5	Trips	TIH Wash To Top Plug Tag @ 1,007'														1068	1068							
00:30	01:30	1.0	Drilling	Drill float shoe track f/ 1,007' to 1,068'.														1068	1068							
01:30	02:30	1.0	Drilling	Drill F/ 1068' T/ 1175' (107' @ 107 fph) WOB 5-20, ROT 40, TQ 8K, GPM 600, MM-rpm 72, SPP 500, DIFF 350.														1068	1175							
02:30	03:30	1.0	Dir Work	Trouble Shoot MWD, Got Good survey with one pump.														1175	1175							
03:30	05:00	1.5	Drilling	Drill F/ 1175' T/ 1351' (176' @ 117 fph) WOB 5-20, ROT 60, TQ 8K, GPM 700, MM-rpm 84, SPP 600, DIFF 350.														1175	1351							
05:00	05:30	0.5	Dir Work	Attempt to take survey no success, got survey with #1 Pump, # 2 pump had no psi.														1351	1351							
05:30	06:00	0.5	Repair Rig	Work on #2 pump and air out.														1351	1351							

DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Capstar					RIG:		Capstar 122	
RPT DATE: May 4, 2018				SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
		API #:	42495341080000	DFS: 4		Conductor		20	52		93	93
				REPORT NO: 4		Surface		13-3/8	55	J-55	1,052	1,051
FIELD: WC/BS				DOL: 10								
ELEV:		2,832	RKB:	13		LAST BOP TEST: 5/2/18						
MD:		3,200	TVD:	3,197								
24 HR FTG:		1,849	HRS DRLG:	19.5		CSGHD:	2,832					

DRILLING FLUID																SHOE TEST:				
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTH
17:00	9.9	29.0		1	1	9.0		1	1	1	1	1	174,000		0.05	0.01	1,600		0.54	
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1								
												#2								

BIT DATA																													
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN		OUT		FEET		HRS		WOB		RPM		ROP			
2		12.25		REED		TK66		A234629		x15's, 3x14's				1,068				1,849		19.0				96		97			
BIT NO.				INNER		OUTER				DULL				LOC				SEAL				GAUGE				OTHER		RP	

HYDRAULICS DATA														
PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDENER DENVER	PZ10	6.500	10.000	90	2700	750		95					
2	GARDENER DENVER	PZ10	6.500	10.000	90	2700	750		95					

BHA							
DESCRIPTION:	1st Intermediate BHA						
LENGTH	870.41	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.	83	P.U. WT.	86	S.O. WT.	79	TORQUE	14,000
TIME MADE UP	18:30	DATE MADE UP	5/2/2018	TIME PULLED		DATE PULLED	

SURVEY DATA		ANGLE		AZIMUTH		TVD		N/S		COORDINATES		E/W		V. SECTION		DLS	
2.806		2.81		279.35		2.804		13.1		-69.9		34.4		0.2			
2.891		2.82		278.35		2.889		13.8		-74.0		36.3		0.1			
2.976		3.07		282.13		2.974		14.5		-78.3		38.4		0.4			
3.060		3.36		283.42		3.058		15.6		-82.9		40.8		0.4			

CONSUMABLES	DIESEL FUEL (gal) Rcvd/Used/On Hand:	DRILL H2O (gal) Rcvd/Used/On Hand:
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OPERATIONS TIME LOG

[illegible]

TOTAL HRS	24.0
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WEATHER	
GEN. CONDITIONS:	<div> <div>Sunny</div> <div>WIND SPEED:</div> <div>10</div> <div>WIND DIRECTION:</div> <div>SE</div> <div>TEMP:</div> <div>65</div> </div>

GEN. CONDITIONS:	Sunny	WIND SPEED:	10	WIND DIRECTION:	SE	TEMP.:	93
COMMENTS:							

DRILLING REPORT

WELL: UL Maroon 0904-21 1H										CONTRACTOR: Capstar										RIG: Capstar 122			
RPT DATE: May 5, 2018										SPUD DATE: 4/30/18					CASING			OD	WT	GRD	MD	TVD	
API #: 42495341080000										DFS: 5					Conductor			20	52	93		93	
										REPORT NO: 5					Surface			13-3/8	55	J-55	1,052	1,051	
FIELD: WC/BS										DOL: 11													
ELEV: 2,832					RKB:		13			LAST BOP TEST: 5/2/18													
MD: 4,207					TVD:		4,201																
24 HR FTG: 1,007					HRS DRLG:			14.5		CSGHD:		2,832											
DRILLING FLUID																		SHOE TEST:					
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP			
17:00	9.9	29.0		1	1	9.0		1	1	1	1	1	180,000		0.05	0.01	1,600		0.54				
												REDUCED PUMP RATES											
												PUMP			SPM			PRESS			DEPTH		
												#1											
#2																							
BIT DATA																							
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP			
2		12.25		REED		TK66		A234629		1x15's, 3x14'				1,068		1,849	19.0		96	97			
BIT NO.				INNER		OUTER		DULL		LOC		SEAL		GAUGE		OTHER		RP					
HYDRAULICS DATA																							
PUMP		MAKE		MODEL		LINER		STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP		PUMP HHP				
1		GARDENER DENVER		PZ10		6.500		10.000	90	3200	750		95										
2		GARDENER DENVER		PZ10		6.500		10.000	90	3200	750		95										
BHA																							
DESCRIPTION:		1st Intermediate BHA																					
LENGTH		870.41		BHA WT. AIR				BHA WT. MUD				HRS. ON JARS				14,000							
ROT. WT.		83		P.U. WT.		86		S.O. WT.		79		TORQUE											
TIME MADE UP		18:30		DATE MADE UP		5/2/2018		TIME PULLED				DATE PULLED											
SURVEY DATA																							
MD		ANGLE		AZIMUTH		TVD		N/S	COORDINATES		E/W	V. SECTION		DLS									
3,825		4.19		261.75		3,820		17.7		-143.3		61.8		0.3									
3,911		4.36		266.04		3,906		17.1		-149.7		63.2		0.4									
3,996		4.76		269.38		3,991		16.8		-156.4		65.0		0.6									
4,084		4.78		275.84		4,078		17.1		-163.7		67.6		0.6									
CONSUMABLES				DIESEL FUEL (gal) Rvcd/Used/On Hand:								DRILL H2O (gal) Rvcd/Used/On Hand:											
OPERATIONS TIME LOG																							
FROM	TO	HRS	CODE														Start MD	End MD					
06:00	09:00	3.0	Drilling	Drill F/ 3,200' T/ 3,355' (155' @ 51 fph) WOB 5-20, ROT 90, TQ 12-15K, GPM 750, MM-rpm 90, SPP 3200, DIFF 350.													3200	3355					
09:00	09:30	0.5	Lubricate Rig	Rig Service													3355	3355					
09:30	12:00	2.5	Repair Rig	Work on #1 Middle module, bolts were lose and module was leaking, remove liner tighten module bolts install new liner gaskets and new liner.													3355	3355					
12:00	13:00	1.0	Drilling	Drill F/ 3355' T/ 3435' (80' @ 80 fph) WOB 5-20, ROT 90, TQ 12-15K, GPM 750, MM-rpm 90, SPP 3200, DIFF 350.													3355	3435					
13:00	13:30	0.5	Repair Rig	Mechanics Tighten suction lines on bottom of all modules on #1 pump.													3435	3435					
13:30	15:00	1.5	Drilling	Drill F/ 3435' T/ 3515' (80' @ 80 fph) WOB 5-20, ROT 90, TQ 12-15K, GPM 750, MM-rpm 90, SPP 3200, DIFF 350.													3435	3515					
15:00	16:00	1.0	Repair Rig	Replace Liner Gasket on #2 mud pump.													3515	3515					
16:00	16:30	0.5	Drilling	Drill F/ 3515' T/ 3560' (45' @ 90 fph) WOB 5-20, ROT 90, TQ 12-15K, GPM 750, MM-rpm 90, SPP 3200, DIFF 350.													3515	3560					
16:30	17:00	0.5	Dir Work	Down link Power V 90 MTF AND 25% PAD FORCE													3560	3560					
17:00	19:30	2.5	Drilling	Drill F/ 3560' T/ 3730' (170' @ 68 fph) WOB 5-20, ROT 90, TQ 12-15K, GPM 750, MM-rpm 90, SPP 3200, DIFF 350.													3560	3730					
19:30	21:30	2.0	Cond Mud & Circ	Build volume in pits and get swivel motor running alternator keeps throwing belt.													3730	3730					
21:30	23:30	2.0	Drilling	Drill F/ 3730' T/ 3910' (180' @ 90 fph) WOB 5-20, ROT 90, TQ 12-15K, GPM 750, MM-rpm 90, SPP 3200, DIFF 350.													3730	3910					
23:30	00:30	1.0	Dir Work	Down link Power Drive V TO 180 GTF/ 100% Pad force.													3910	3910					
00:30	02:30	2.0	Drilling	Drill F/ 3910' T/ 4076' (166' @ 66.4 fph) WOB 5-20, ROT 90, TQ 12-15K, GPM 750, MM-rpm 90, SPP 3200, DIFF 350.													3910	4076					
02:30	03:30	1.0	Dir Work	Downlink Power Drive V to 180 GTF/100% Pad Force 2nd Attempted downlink took.													4076	4076					
03:30	05:30	2.0	Drilling	Drill F/ 4076' T/ 4207' (131' @ 65.5 fph) WOB 5-20, ROT 90, TQ 12-15K, GPM 750, MM-rpm 90, SPP 3200, DIFF 350.													4076	4207					
05:30	06:00	0.5	Repair Rig	Work on Hydraulics on swivel motor.													4207	4207					

DRILLING REPORT

WELL: UL Maroon 0904-21 1H					CONTRACTOR: Capstar					RIG: Capstar 122			
RPT DATE: May 7, 2018					SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
		API #:	42495341080000			DFS: 7		Conductor	20	52		93	93
					REPORT NO: 7		Surface	13-3/8	55	J-55	1,052	1,051	
FIELD: WC/BS					DOL: 13								
ELEV:	2,832	RKB:	13			LAST BOP TEST: 5/2/18							
MD:	5,160	TVD:	5,153										
24 HR FTG:	260	HRS DRLG:		4.5		CSGHD:	2,832						

DRILLING FLUID															SHOE TEST:					
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
17:00	10.0	29.0		1	1	9.0		1	1	1	1	2	184,000		0.05	0.01	1,600		0.27	
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1								
												#2								

BIT DATA																				
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	R-OP
2		12.25		REED		TK66		A234629		1x15's, 3x14's				1,068	5,160	4,092	56.2		96	73
BIT NO.	2	INNER	4	OUTER	2	DULL	missing	LOC	inner	SEAL	GAUGE		in gauge	OTHER	chipped	RP	TD/ CSG			

HYDRAULICS DATA														
PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDENER DENVER	PZ10	6.500	10.000	80	2700	675		95					
2	GARDENER DENVER	PZ10	6.500	10.000	80	2700	675		95					

BHA							
DESCRIPTION:	1st Intermediate BHA						
LENGTH	870.41	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.	152,000	P.U. WT.	160,000	S.O. WT.	145,000	TORQUE	14,000
TIME MADE UP	18:30	DATE MADE UP	5/2/2018	TIME PULLED	21:30	DATE PULLED	5/6/2018

SURVEY DATA								
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
4,893	0.15	280.66	4,887	22.8	-186.9		80.3	188.3
4,978	0.15	318.90	4,972	22.9	-187.1		80.4	188.5
5,064	0.17	104.44	5,058	22.9	-187.0		80.5	188.4

CONSUMABLES	DIESEL FUEL (gal) Rcvd/Used/On Hand:	DRILL H2O (gal) Rcvd/Used/On Hand:	
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OPERATIONS TIME LOG

FROM	TO	HRS	CODE		Start MD	End MD
06:00	10:30	4.5	Drilling	Drill F/ 4900' T/ 5160' (260' @ 57.7 fph) WOB 35, ROT 90, TQ 12-15K, GPM 750, MM-rpm 90, SPP 3200, DIFF 250.	4900	5160
10:30	11:30	1.0	Cond Mud & Circ	Circ. 30 BBLS High vis sweep around 8500 stks.	5160	5160
11:30	12:00	0.5	Lubricate Rig	Rig Service	5160	5160
12:00	13:00	1.0	Trips	Wiper trip to 4,000'.	5160	5160
13:00	15:00	2.0	Cond Mud & Circ	Circ. 30 BBLS High Vis Sweep around And a 2nd Bottoms Up.	5160	5160
15:00	21:30	6.5	Trips	TOH, LD Directional tools	5160	5160
21:30	23:30	2.0	Other	Pull Wear bushing, clear floor of all directional subs, prep floor to run casing.	5160	5160
23:30	00:00	0.5	Run Csg & Cement	PJSM W/ Byrd Casing crew and rig crew and R/U Casing equipment.	5160	5160
00:00	06:00	6.0	Run Csg & Cement	Mechanically test floats on surface. Make up eccentric shoe and float. Pump through floats. Run 10-3/4", 45.5#, J-55- BTC casing to 2,313'	5160	5160
TOTAL HRS		24.0				

WEATHER							
GEN. CONDITIONS:	Sunny	WIND SPEED:	7	WIND DIRECTION:	SE	TEMP:	95



DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Capstar					RIG:		Capstar 122	
RPT DATE: May 8, 2018				SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
			API #:	42495341080000		DFS: 8		Conductor	20	52	93	93
				REPORT NO: 8		Surface		13-3/8	55	J-55	1,052	1,051
FIELD: WC/BS				DOL: 14		Intermediate		10-3/4	46	J-55	5,145	5,139
ELEV:		2,832		RKB:	13		LAST BOP TEST: 5/2/18					
MD:		5,160		TVD:	5,153							
24 HR FTG:			HRS DRLG:			CSGHD:	2,832					

DRILLING FLUID																SHOE TEST:				
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
17:00	10.0	29.0		1	1	9.0		1	1	1	1	2	184,000		0.05	0.01	1,600		0.27	
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1								
												#2								

BIT DATA																				
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
2		12.25		REED		TK66		A234629		x15's, 3x14'				1,068	5,160	4,092	56.2		96	73
BIT NO.	2	INNER		4	OUTER	2	DULL	missing	LOC	inner	SEAL			GAUGE	in gauge	OTHER	chipped	RP	TD/ CSG	

HYDRAULICS DATA																				
PUMP		MAKE		MODEL		LINER		STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP		PUMP HHP	
1		GARDENER DENVER		PZ10		6.500		10.000												
2		GARDENER DENVER		PZ10		6.500		10.000												

BHA																				
DESCRIPTION:		1st Intermediate BHA																		
LENGTH		870.41		BHA WT. AIR				BHA WT. MUD				HRS. ON JARS								
ROT. WT.		152,000		P.U. WT.		160,000		S.O. WT.		145,000		TORQUE		14,000						
TIME MADE UP		18:30		DATE MADE UP		5/2/2018		TIME PULLED				DATE PULLED								

SURVEY DATA																				
MD		ANGLE		AZIMUTH		TVD		N/S	COORDINATES		E/W	V. SECTION		DLS						

CONSUMABLES				DIESEL FUEL (gal) Rcvd/Used/On Hand:				DRILL H2O (gal) Rcvd/Used/On Hand:			
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OPERATIONS TIME LOG						
FROM	TO	HRS	CODE		Start MD	End MD
06:00	06:30	0.5	Run Csg & Cement	Run 10-3/4" casing to 3,100'	5160	5160
06:30	07:00	0.5	Lubricate Rig	Rig Service.	5160	5160
07:00	07:30	0.5	Repair Rig	Change out off driller side hoist cable.	5160	5160
07:30	12:00	4.5	Run Csg & Cement	Run 10-3/4" casing from 3,100' to 5,145'. Wash down landing joint, and land with no issues. Shoe @ 5,142', FC @ 5,098'	5160	5160
12:00	13:00	1.0	Cond Mud & Circ	Circ casing cap (495 bbls) while rigging down casing crew .	5160	5160
13:00	16:00	3.0	Run Csg & Cement	PJSM with Trans Tex Cementers Pump 20 bbls Dyed water ahead, 415 bbls 11.8#, 60 bbls 14.8# cement at 5 - 7 BPM. Drop Plug, Displace with 492 bbls Fresh water. Plug did not bump (pumped half shoe track volume), Release pressure, Float held. 3bbls back. 140 bbls cement to surface.	5160	5160
16:00	18:00	2.0	Other	Wash up through stack and flow line, shut annular and wash through both casing valves.	5160	5160
18:00	22:00	4.0	Other	Back off landing joint make up pack off and install pack off, Test to 5,000 psi. remove landing joint.	5160	5160
22:00	06:00	8.0	Rig Up & Tear Down	ND BOP, flowline, choke & kill line, jet pits. release rig	5160	5160

DRILLING REPORT

[illegible]

DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Capstar				RIG: Capstar 122				
RPT DATE: June 29, 2018				SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
		API #: 42495341080000		DFS: 60		Conductor		20	52		93	93
				REPORT NO: 10		Surface		13-3/8	55	J-55	1,052	1,051
FIELD: WC/BS				DOL: 66		Intermediate		10-3/4	46	J-55	5,145	5,139
ELEV: 2,832		RKB: 13		LAST BOP TEST: 5/2/18								
MD: 5,160		TVD: 5,153										
24 HR FTG:		HRS DRLG:		CSGHD: 2.832								

DRILLING FLUID																SHOE TEST:							
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHF			
17:00	10.0	29.0				9.0		1	1	1	1	2	184,000		0.05	0.01	1,600		0.27				
												REDUCED PUMP RATES											
												PUMP			SPM			PRESS			DEPTH		
												#1											
												#2											

BIT DATA																																	
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN		OUT		FEET		HRS		WOB		RPM		ROP							
2		12.25		REED		TK66		A234629		x15", 3x14"				1,068		5,160		4,092		56.2				96		73							
BIT NO.		2		INNER		4		OUTER		2		DULL		missing		LOC		inner		SEAL				GAUGE		in gauge		OTHER		chipped RP		TD/ CSG	

[illegible]

BHA							
DESCRIPTION:		1st Intermediate BHA					
LENGTH	870.41	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.	152,000	P.U. WT.	160,000	S.O. WT.	145,000	TORQUE	14,000
TIME MADE UP	18:30	DATE MADE UP	5/2/2018	TIME PULLED		DATE PULLED	

[illegible]

CONSUMABLES	DIESEL FUEL (gal) Rcvd/Used/On Hand:	DRILL H2O (gal) Rcvd/Used/On Hand:
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OPERATIONS TIME LOG

FROM	TO	HRS	CODE		Start MD	End MD
19:00	06:00	11.0	Rig Up & Tear Down	Rigging down on UL Guanella 0504-17 2H Moved Houses to UL Maroon 0904-21 1H	5160	5160
TOTAL HRS		11.0				

WEATHER							
GEN. CONDITIONS:	Clear	WIND SPEED:	12	WIND DIRECTION:	SE	TEMP:	81

DRILLING REPORT

[illegible]

DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Sidewinder					RIG: Sidewinder 221			
RPT DATE: July 1, 2018				SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
		API #:	42495341080000	DFS: 62		Conductor		20	52		93	93
				REPORT NO: 3		Surface		13-3/8	55	J-55	1,052	1,051
FIELD: WC/BS				DOL: 68		Intermediate		10-3/4	46	J-55	5,145	5,145
ELEV:		RKB:		LAST BOP TEST:								
MD: 5,160		TVD:	5,153									
24 HR FTG:		HRS DRLG:		CSGHD:								

DRILLING FLUID																SHOE TEST:			
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP	
											REDUCED PUMP RATES								
											PUMP		SPM		PRESS		DEPTH		
											#1								
											#2								

BIT DATA																				
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
2		12.25		REED		TK66		A234629		1x15's, 3x14's				1,068	5,160	4,092	56.2		96	73
BIT NO.	2	INNER	4	OUTER	2	DULL	missing	LOC	inner	SEAL		GAUGE	In gauge	OTHER	chipped	RP	TD/ CSG			

[illegible]

BHA							
DESCRIPTION:							
LENGTH		BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.		P.U. WT.		S.O. WT.		TORQUE	
TIME MADE UP		DATE MADE UP		TIME PULLED		DATE PULLED	

[illegible]

CONSUMABLES	DIESEL FUEL (gal) Rcvd/Used/On Hand:	DRILL H2O (gal) Rcvd/Used/On Hand:
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OPERATIONS TIME LOG

FROM	TO	HRS	CODE		Start MD	End MD
06:00	18:00	12.0	Rig Up & Tear Down	50% of backyard set, 90% Moved off location Staged on location: Derrick, Doghouse, Fuel & Mud fuel tanks Cleaned out cellars & picked up trash on old location	5160	5160
18:00	06:00	12.0	Rig Up & Tear Down	Rig Up MP's, Run all electric wires, Rig up pits	5160	5160
TOTAL HRS		24.0				

WEATHER							
GEN. CONDITIONS:	Clear	WIND SPEED:	9	WIND DIRECTION:	ESE	TEMP:	74

DRILLING REPORT

[illegible]