

# DRILLING REPORT

WELL: <a href="#">UL Maroon 0904-21 1H</a>				CONTRACTOR: <a href="#">Sidewinder</a>				RIG: <a href="#">Sidewinder 221</a>				
RPT DATE: <a href="#">July 3, 2018</a>				SPUD DATE: <a href="#">4/30/18</a>		CASING		OD	WT	GRD	MD	TVD
		API #:	<a href="#">42495341080000</a>	DFS: <a href="#">64</a>		<a href="#">Conductor</a>		<a href="#">20</a>	<a href="#">52</a>		<a href="#">93</a>	<a href="#">93</a>
				REPORT NO: <a href="#">5</a>		<a href="#">Surface</a>		<a href="#">13-3/8</a>	<a href="#">55</a>	<a href="#">J-55</a>	<a href="#">1,052</a>	<a href="#">1,051</a>
FIELD: <a href="#">WC/BS</a>				DOL: <a href="#">70</a>		<a href="#">Intermediate</a>		<a href="#">10-3/4</a>	<a href="#">46</a>	<a href="#">J-55</a>	<a href="#">5,145</a>	<a href="#">5,145</a>
ELEV:		RKB:		LAST BOP TEST:								
MD: <a href="#">5,160</a>		TVD:	<a href="#">5,153</a>									
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]

<b>CONSUMABLES</b>	DIESEL FUEL (gal) Rvcd/Used/On Hand:	DRILL H2O (gal) Rvcd/Used/On Hand:
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## OPERATIONS TIME LOG

<b>FROM</b>	<b>TO</b>	<b>HRS</b>	<b>CODE</b>		<b>Start MD</b>	<b>End MD</b>
06:00	06:00	24.0	Rig Up & Tear Down	Continue rig up operations, pick up BOP and nipple up, install knife valves, rig up and modify flare stack and flare lines to fit location. rig up rig floor, hook up accumulator lines & function test BOP's, fill pits with brine water, dress out shakers	5160	5160
<b>TOTAL HRS</b>		<b>24.0</b>				

WEATHER							
GEN. CONDITIONS:	Partly Cloudy	WIND SPEED:	2	WIND DIRECTION:	ENE	TEMP:	72

## DRILLING REPORT

[illegible]

## DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Sidewinder				RIG: Sidewinder 221				
RPT DATE: July 5, 2018				SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
		API #:	42495341080000	DFS: 66		Conductor		20	52		93	93
				REPORT NO: 7		Surface		13-3/8	55	J-55	1,052	1,051
FIELD: WC/BS				DOL: 72		Intermediate		10-3/4	46	J-55	5,145	5,145
ELEV:		2,833	RKB:	2,858	LAST BOP TEST: 7/3/18							
MD:		6,418	TVD:	6,418								
24 HR FTG:		1,258	HRS DRLG: 9.5		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	HTH			
18:00	9.0	30.0				8.0							100,000		0.10	0.30							
												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
3	9.88	REED	TKC76	AZ44967	7 / 14		5,160	6,418	1,258	9.0	25	127	140
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	National Oilwell	12-P-160	5.500	12.000	107	3300	375		95	9.9				
2	National Oilwell	12-P-160	5.500	12.000	107	3300	375		95	9.9				

BHA							
DESCRIPTION:	Intermediate 2 / BHA # 1						
LENGTH	1,350.78	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.	205,000	P.U. WT.	215,000	S.O. WT.	200,000	TORQUE	12,000
TIME MADE UP	00:30	DATE MADE UP	7/4/2018	TIME PULLED		DATE PULLED	

SURVEY DATA								
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
6,181	0.58	196.46	6,175	17.5	-188.8		77.0	0.2
6,181	0.58	196.46	6,175	17.5	-188.8		77.0	0.2
6,273	0.48	195.96	6,267	16.7	-189.1		76.3	0.1
6,365	0.50	165.68	6,359	16.0	-189.1		75.6	0.3

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

[illegible][illegible]

WEATHER							
GEN. CONDITIONS:	Clear skies, hot	WIND SPEED:	5	WIND DIRECTION:	SE	TEMP:	95

## DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Sidewinder				RIG: Sidewinder 221				
RPT DATE: July 6, 2018				SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
		API #:	42495341080000		DFS: 67		Conductor	20	52		93	93
				REPORT NO: 8		Surface		13-3/8	55	J-55	1,052	1,051
FIELD: WC/BS				DOL: 73		Intermediate		10-3/4	46	J-55	5,145	5,145
ELEV:		2,833	RKB:	2,858		LAST BOP TEST: 7/3/18						
MD:		8,395	TVD:	8,387								
24 HR FTG:		1,977	HRS DRLG:	23		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	HTH			
18:00	9.0	28.0		1	2	9.0					1	3	100,000			0.20			1.00				
												REDUCED PUMP RATES											
												PUMP			SPM			PRESS			DEPTH		
												#1			30			140			7,542		
												#2			40			220					

BIT DATA																	
NO.	SIZE		MAKE		TYPE		SER NO.	NOZZLES		RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
3	9.88		REED		TKC76		AZ44967	7 / 14			6,418	8,395	1,977	20.0	35	127	99
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	National Oilwell	12-P-160	5.500	12.000	107	3500	375		95	9.9				
2	National Oilwell	12-P-160	5.500	12.000	107	3500	375		95	9.9				

BHA						
DESCRIPTION:	Intermediate 2 / BHA # 1					
LENGTH	1,350.78	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS
ROT. WT.	205,000	P.U. WT.	215,000	S.O. WT.	200,000	TORQUE
TIME MADE UP	00:30	DATE MADE UP	7/4/2018	TIME PULLED		DATE PULLED

SURVEY DATA								
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
7,963	0.35	207.89	7,957	4.4	-191.6		65.4	0.5
8,058	0.32	117.31	8,052	4.0	-191.5		65.1	0.5
8,152	0.17	132.84	8,146	3.8	-191.2		64.7	0.2
8,246	0.34	125.81	8,240	3.6	-190.9		64.4	0.2

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

[illegible][illegible]

WEATHER							
GEN. CONDITIONS:	rtly cloudy skies, humidity 6	WIND SPEED:	5	WIND DIRECTION:	S	TEMP:	80



# DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Sidewinder					RIG: Sidewinder 221			
RPT DATE: July 7, 2018				SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
API #: 42495341080000				DFS: 68		Conductor		20	52		93	93
				REPORT NO: 9		Surface		13-3/8	55	J-55	1,052	1,051
FIELD: WC/BS				DOL: 74		Intermediate		10-3/4	46	J-55	5,145	5,145
ELEV: 2,833		RKB: 2,858		LAST BOP TEST: 7/3/18								
MD: 8,486		TVD: 8,479										
24 HR FTG: 91		HRS DRLG: 2		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
18:00	9.2	28.0		1	2	9.0					1	3	32,000			0.10			0.20	
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1		30		140		7,542		
												#2		40		220				

BIT DATA																				
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
3		9.88		REED		TKC76		AZ44967		7 / 14				8,395	8,486	91	20.0	35	127	5
BIT NO.	3	INNER		2	OUTER	3	DULL	CT	LOC	Guage	SEAL			GAUGE	IN	OTHER	x	RP	DHTF	

HYDRAULICS DATA															
PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP	
1	National Oilwell	12-P-160	5.500	12.000	107	3500	375		95						
2	National Oilwell	12-P-160	5.500	12.000	107	3500	375		95						

BHA							
DESCRIPTION:	Intermediate 2 / BHA # 1						
LENGTH	1,350.78	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.	205,000	P.U. WT.	215,000	S.O. WT.	200,000	TORQUE	12,000
TIME MADE UP	00:30	DATE MADE UP	7/4/2018	TIME PULLED	10:00	DATE PULLED	7/6/2018

SURVEY DATA									
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS	
8,341	0.43	70.79	8,335	3.5		-190.3	64.2	0.4	

CONSUMABLES				DIESEL FUEL (gal) Rvcd/Used/On Hand:				DRILL H2O (gal) Rvcd/Used/On Hand:			
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OPERATIONS TIME LOG						
FROM	TO	HRS	CODE		Start MD	End MD
06:00	08:00	2.0	Drilling	Drill F/8395' – 8486' (91' @ 45 FPH)750 GPM, 3350 PSI, 170 DIFF, 35 WOB, 80 RPM, 12.8K TRQ	8395	8486
08:00	10:00	2.0	Cond Mud & Circ	Trouble shoot MWD failure unable to get working. Circulate bottoms up, mix dry job.	8486	8486
10:00	15:30	5.5	Trips	TOH MWD failure, back ream 7 stand due to tight hole and torque. Pump slug and TOH Tight spot from 8455-7725 Once in casing @ 5096' pulled tight unable took 390k to pull through Found washed connection at 2899' +/-	8486	8486
15:30	23:00	7.5	Trips	Continue POOH / Water flow at a continues 1bbl / min while Tripping out / Same as 48 hours	8486	8486
23:00	03:00	4.0	Dir Work	Change out entire BHA, motor was cracked below break on float sub of motor	8486	8486
03:00	06:00	3.0	Trips	TIH / Inspect every connection of 5" drillpipe due to several washed connections when TOO. Thread rep form J.A. who performed previous inspection on floor inspecting connections as well	8486	8486

## DRILLING REPORT

WELL: <a href="#">UL Maroon 0904-21 1H</a>				CONTRACTOR: <a href="#">Sidewinder</a>					RIG: <a href="#">Sidewinder 221</a>		
RPT DATE: <a href="#">July 8, 2018</a>				SPUD DATE: <a href="#">4/30/18</a>		CASING	OD	WT	GRD	MD	TVD
		API #:	<a href="#">42495341080000</a>	DFS: <a href="#">69</a>		<a href="#">Conductor</a>	<a href="#">20</a>	<a href="#">52</a>		<a href="#">93</a>	<a href="#">93</a>
				REPORT NO: <a href="#">10</a>		<a href="#">Surface</a>	<a href="#">13-3/8</a>	<a href="#">55</a>	<a href="#">J-55</a>	<a href="#">1,052</a>	<a href="#">1,051</a>
FIELD: <a href="#">WC/BS</a>				DOL: <a href="#">75</a>		<a href="#">Intermediate</a>	<a href="#">10-3/4</a>	<a href="#">46</a>	<a href="#">J-55</a>	<a href="#">5,145</a>	<a href="#">5,145</a>
ELEV:	<a href="#">2,833</a>	RKB:	<a href="#">2,858</a>	LAST BOP TEST: <a href="#">7/3/18</a>							
MD:	<a href="#">8,486</a>	TVD:	<a href="#">8,480</a>								
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
18:00	9.1	29.0		1	2	9.0					1	2	39,000			0.10			0.20	
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1		30		140		7,542		
												#2		40		220				

BIT DATA																													
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN		OUT		FEET		HRS		WOB		RPM		ROP			
4		8.75		ULTERRA		SPL616		40676		7 / 12 2/13				8,486															
BIT NO.				INNER				DULL				LOC				SEAL				GAUGE				OTHER				RP	

[illegible]

BHA							
DESCRIPTION:	Intermediate 2 / BHA # 2						
LENGTH	1,260.55	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.	205,000	P.U. WT.	215,000	S.O. WT.	200,000	TORQUE	12,000
TIME MADE UP	03:00	DATE MADE UP	7/7/2018	TIME PULLED		DATE PULLED	

[illegible]

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

<b>FROM</b>	<b>TO</b>	<b>HRS</b>	<b>CODE</b>		<b>Start MD</b>	<b>End MD</b>
06:00	06:00	24.0	Trips	TIH breaking and inspection every connection for washes due to finding washes when TOH. JA Oilfield rep on floor cleaning and inspecting each connection Current depth-6100' 67 joints laid down due to damaged face, washed, damaged threads, pitting	8486	8486
<b>TOTAL HRS</b>		<b>24.0</b>				

TOTAL HRS		240					
WEATHER							
GEN. CONDITIONS:		cloudy w thunderstorms and rain		WIND SPEED:		7	
				WIND DIRECTION:		SE	
COMMENTS:				TEMP:		70	

## DRILLING REPORT

WELL: <a href="#">UL Maroon 0904-21 1H</a>				CONTRACTOR: <a href="#">Sidewinder</a>					RIG: <a href="#">Sidewinder 221</a>			
RPT DATE: <a href="#">July 9, 2018</a>				SPUD DATE: <a href="#">4/30/18</a>		CASING		OD	WT	GRD	MD	TVD
		API #:	<a href="#">42495341080000</a>	DFS: <a href="#">70</a>		<a href="#">Conductor</a>		<a href="#">20</a>	<a href="#">52</a>		<a href="#">93</a>	<a href="#">93</a>
				REPORT NO: <a href="#">11</a>		<a href="#">Surface</a>		<a href="#">13-3/8</a>	<a href="#">55</a>	<a href="#">J-55</a>	<a href="#">1,052</a>	<a href="#">1,051</a>
FIELD: <a href="#">WC/BS</a>				DOL: <a href="#">76</a>		<a href="#">Intermediate</a>		<a href="#">10-3/4</a>	<a href="#">46</a>	<a href="#">J-55</a>	<a href="#">5,145</a>	<a href="#">5,145</a>
ELEV:	<a href="#">2,833</a>	RKB:	<a href="#">2,858</a>	LAST BOP TEST: <a href="#">7/3/18</a>								
MD:	<a href="#">9,012</a>	TVD:	<a href="#">9,005</a>									
24 HR FTG:	<a href="#">526</a>	HRS DRLG:	<a href="#">10</a>	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
18:00	9.2	28.0		1	2	9.0					1	2	36,000			0.10			0.10	

REDUCED PUMP RATES			
PUMP	SPM	PRESS	DEPTH
#1	30	140	7,542
#2	40	220	

BIT DATA																				
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
4		8.75		ULTERRA		SPL616		40676		7 / 12 2/13				8,486	9,012	526	7.5	35	75	70
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	National Oilwell	12-P-160	5.500	12.000	70	1900	250		95					
2	National Oilwell	12-P-160	5.500	12.000	70	1900	250		95					

BHA							
DESCRIPTION:	Intermediate 2 / BHA # 2						
LENGTH	1,260.55	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.	205,000	P.U. WT.	215,000	S.O. WT.	200,000	TORQUE	12,000
TIME MADE UP	03:00	DATE MADE UP	7/7/2018	TIME PULLED		DATE PULLED	

SURVEY DATA								
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
8,549	0.68	82.82	8,543	3.2	-188.7		63.4	0.5
8,644	0.56	102.93	8,638	3.2	-187.6		63.0	0.3
8,737	0.36	85.45	8,731	3.1	-186.9		62.7	0.3
8,832	0.38	45.85	8,826	3.4	-186.4		62.7	0.3

<b>CONSUMABLES</b>	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								
WEATHER										
GEN. CONDITIONS:		cloudy w rain and thunderstorm	WIND SPEED:		3	WIND DIRECTION:		SE	TEMP:	75
COMMENTS:										

## DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Sidewinder					RIG: Sidewinder 221			
RPT DATE: July 10, 2018				SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
		API #:	42495341080000		DFS: 71		Conductor	20	52		93	93
				REPORT NO: 12		Surface		13-3/8	55	J-55	1,052	1,051
FIELD: WC/BS				DOL: 77		Intermediate		10-3/4	46	J-55	5,145	5,145
ELEV:	2,833	RKB:	2,858		LAST BOP TEST: 7/3/18							
MD:	9,373	TVD:	9,373									
24 HR FTG:	361	HRS DRLG:	11		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
18:00	9.4	28.0	100.0	1	2	9.0		1	1	1	1	4	108,000		0.30	0.20			0.10	1.00

REDUCED PUMP RATES			
PUMP	SPM	PRESS	DEPTH
#1	30	175	9,354
#2	40	275	

BIT DATA																						
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM		ROP	
4		8.75		ULTERRA		SPL616		40676		7 / 12 2/13				9,012	9,373	361	10.8	40	75		33	
BIT NO.	4	INNER	9	OUTER	2	DULL	RNG	LOC	N	SEAL	X	GAUGE	IN	OTHER	BT	RP	ROP					

HYDRAULICS DATA														
PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	National Oilwell	12-P-160	5.500	12.000	70	2100	250		95					
2	National Oilwell	12-P-160	5.500	12.000	70	2100	250		95					

BHA							
DESCRIPTION:	Intermediate 2 / BHA # 2						
LENGTH	1,260.55	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.	205,000	P.U. WT.	215,000	S.O. WT.	200,000	TORQUE	12,000
TIME MADE UP	03:00	DATE MADE UP	7/7/2018	TIME PULLED		DATE PULLED	

SURVEY DATA								
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
9,021	1.29	288.28	9,014	4.1	-187.9		63.9	0.9
9,114	1.01	263.14	9,107	4.3	-189.7		64.7	0.6
9,208	0.98	261.69	9,201	4.1	-191.3		65.0	0.0
9,302	0.80	291.57	9,295	4.2	-192.7		65.6	0.5

<b>CONSUMABLES</b>	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:	cloudy, overcast, humidity 65	WIND SPEED:	3	WIND DIRECTION:	S	TEMP:	73
COMMENTS:							





# DRILLING REPORT

<b>WELL:</b> UL Maroon 0904-21 1H										<b>CONTRACTOR:</b> Sidewinder										<b>RIG:</b> Sidewinder 221		
<b>RPT DATE:</b> July 11, 2018										<b>SPUD DATE:</b> 4/30/18				<b>CASING</b>		<b>OD</b>	<b>WT</b>	<b>GRD</b>	<b>MD</b>	<b>TVD</b>		
<b>API #:</b> 42495341080000										<b>DFS:</b> 72				Conductor		20	52		93	93		
<b>FIELD:</b> WC/BS										<b>REPORT NO:</b> 13				Surface		13-3/8	55	J-55	1,052	1,051		
<b>ELEV:</b> 2,833										<b>RKB:</b> 2,858				Intermediate		10-3/4	46	J-55	5,145	5,145		
<b>MD:</b> 9,952										<b>TVD:</b> 9,945				<b>LAST BOP TEST:</b> 7/3/18								
<b>24 HR FTG:</b> 579										<b>HRS DRLG:</b> 14.5				<b>CSGHD:</b>								
<b>DRILLING FLUID</b>																		<b>SHOE TEST:</b>				
<b>TIME</b>	<b>MW</b>	<b>FV</b>	<b>WL</b>	<b>3RPM</b>	<b>6RPM</b>	<b>PH</b>	<b>CAKE</b>	<b>GELS (10s/10m/30m)</b>			<b>PV</b>	<b>YP</b>	<b>CL</b>	<b>K</b>	<b>Pf</b>	<b>Mf</b>	<b>Ca</b>	<b>OIL</b>	<b>LGS</b>	<b>HTHP</b>		
18:00	9.4	28.0	100.0	1	2	9.7		1	1	1	2	3	108,000		0.10	0.20			0.60	1.00		
												<b>REDUCED PUMP RATES</b>										
												<b>PUMP</b>		<b>SPM</b>		<b>PRESS</b>		<b>DEPTH</b>				
												#1		30		200		9,729				
												#2		40		275						
<b>BIT DATA</b>																						
<b>NO.</b>		<b>SIZE</b>		<b>MAKE</b>		<b>TYPE</b>		<b>SER NO.</b>		<b>NOZZLES</b>		<b>RE-RUN</b>		<b>IN</b>	<b>OUT</b>	<b>FEET</b>	<b>HRS</b>	<b>WOB</b>	<b>RPM</b>	<b>ROP</b>		
5		8.75		REED		DSC616M		A251007		7/15				9,373	9,952	579	13.3	40				
<b>BIT NO.</b> INNER OUTER DULL LOC SEAL GAUGE OTHER RP																						
<b>HYDRAULICS DATA</b>																						
<b>PUMP</b>		<b>MAKE</b>		<b>MODEL</b>		<b>LINER</b>		<b>STK</b>	<b>SPM</b>	<b>PSI</b>	<b>GPM</b>	<b>GPS</b>	<b>EFF %</b>	<b>ECD</b>	<b>AV DP</b>	<b>AV DC</b>	<b>BIT HHP</b>	<b>PUMP HHP</b>				
1		National Oilwell		12-P-160		5.500		12.000	75	2400	275		95									
2		National Oilwell		12-P-160		5.500		12.000	75	2400	275		95									
<b>BHA</b>																						
<b>DESCRIPTION:</b>		Intermediate 2 / BHA # 3																				
<b>LENGTH</b>		1,260.55		<b>BHA WT. AIR</b>				<b>BHA WT. MUD</b>				<b>HRS. ON JARS</b>										
<b>ROT. WT.</b>		270,000		<b>P.U. WT.</b>		280,000		<b>S.O. WT.</b>		260,000		<b>TORQUE</b>		12,000								
<b>TIME MADE UP</b>		02:00		<b>DATE MADE UP</b>		7/10/2018		<b>TIME PULLED</b>				<b>DATE PULLED</b>										
<b>SURVEY DATA</b>																						
<b>MD</b>		<b>ANGLE</b>		<b>AZIMUTH</b>		<b>TVD</b>		<b>N/S</b>	<b>COORDINATES</b>		<b>E/W</b>	<b>V. SECTION</b>		<b>DLS</b>								
9,585		1.66		214.97		9,578		2.7	-195.7			65.1		1.0								
9,678		2.42		207.76		9,671		-0.2	-197.4			62.9		0.9								
9,773		2.90		196.00		9,766		-4.3	-199.0			59.5		0.8								
9,867		3.04		188.65		9,860		-9.0	-200.0			55.4		0.4								
<b>CONSUMABLES</b> DIESEL FUEL (gal) Rcvd/Used/On Hand: DRILL H2O (gal) Rcvd/Used/On Hand:																						
<b>OPERATIONS TIME LOG</b>																						
<b>FROM</b>	<b>TO</b>	<b>HRS</b>	<b>CODE</b>														<b>Start MD</b>	<b>End MD</b>				
06:00	08:30	2.5	Trips		TIH to bottom to continue drilling Int. 2												9373	9373				
08:30	09:00	0.5	Cond Mud & Circ		CM/C, fill pipe												9373	9373				
09:00	16:00	7.0	Drilling		Drill F/9,373' - 9729' (356' @ 51 FPH)550 GPM, 3000 PSI, 150 DIFF, 35 WOB, 25 RPM, 12K TRQ												9373	9729				
16:00	16:30	0.5	Lubricate Rig		Rig Service: Inspect drilling equipment, grease and check all fluids.												9729	9729				
16:30	21:00	4.5	Drilling		Drill Int 2 from : 9729' to 9,845' (116') @ AVG ROP 25.7' FPH WOB: 20-30 ROT: 70-80 GPM: 250 TRQ: 12k DIFF: 500-600 PSI: 3000												9729	9845				
21:00	00:30	3.5	Cond Mud & Circ		Lost circulation @ 9845 / Pumped 3 LCM sweeps, gradually increasing pump rate to drilling rate 550gpm, gained full returns, MWD tool stopped pulsing (LCM most likely)												9845	9845				
00:30	03:00	2.5	Cond Mud & Circ		Troubleshoot MWD-Attempt to clear MWD pulser of LCM material												9845	9845				
03:00	06:00	3.0	Drilling		Drill Int 2 from : 9845' to 9,952' (107') @ AVG ROP 35.6' FPH / 3 Slides 9759-9772 13' WOB-25 MAG TF-10 / Current INC 3 Deg 188 AZM / sliding to maintain holding vertical / West -13' South 32' of plan WOB: 30-40 ROT: 33 9837-9845 8' GPM-575 GPM: 550 TRQ: 12k 9928-9948 20' DIFF-200 DIFF: 200-300 PSI: 2400 PSI - 2200												9845	9952				
<b>TOTAL HRS</b>																	24.0					
<b>WEATHER</b>																						
<b>GEN. CONDITIONS:</b>		Cloudy skies, calm		<b>WIND SPEED:</b>				<b>WIND DIRECTION:</b>				<b>TEMP:</b>		73								
<b>COMMENTS:</b>																						
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## DRILLING REPORT

WELL: UL Maroon 0904-21 1H										CONTRACTOR: Sidewinder										RIG: Sidewinder 221															
RPT DATE: July 12, 2018										SPUD DATE: 4/30/18					CASING			OD	WT	GRD	MD	TVD													
API #: 42495341080000										DFS: 73					Conductor			20	52		93	93													
FIELD: WC/BS										REPORT NO: 14					Surface			13-3/8	55	J-55	1,052	1,051													
ELEV: 2,833										RKB: 2,858					DOL: 79			Intermediate			10-3/4	46	J-55	5,145	5,145										
MD: 10,142										TVD: 10,135					LAST BOP TEST: 7/3/18																				
24 HR FTG: 190					HRS DRLG: 4.5					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															
18:00	9.4	28.0	100.0	1	2	9.6		1	1	1	1	4	110,000		0.80	1.10			0.60	1.00															
												REDUCED PUMP RATES																							
												PUMP		SPM		PRESS		DEPTH																	
												#1		30		200		9,729																	
#2		40		275																															
BIT DATA																																			
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP															
5		8.75		REED		DSC616M		A251007		7/15				9,373	10,142	769	4.5	40	113	171															
BIT NO.		5		INNER		9		OUTER		2		DULL		RNG	LOC	Nose	SEAL	X	GAUGE	IN	OTHER	BT	RP	Low ROP											
HYDRAULICS DATA																																			
PUMP		MAKE		MODEL		LINER		STK		SPM		PSI		GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP		PUMP HHP													
1		National Oilwell		12-P-160		5.500		12,000		72		2500		550		95																			
2		National Oilwell		12-P-160		5.500		12,000		72		2500		550		95																			
BHA																																			
DESCRIPTION:				Intermediate 2 / BHA # 3																															
LENGTH				1,260.55				BHA WT. AIR								BHA WT. MUD								HRS. ON JARS											
ROT. WT.				270,000				P.U. WT.				280,000				S.O. WT.				260,000				TORQUE				12,000							
TIME MADE UP				02:00				DATE MADE UP				7/10/2018				TIME PULLED				12:30				DATE PULLED				7/11/2018							
SURVEY DATA																																			
MD				ANGLE				AZIMUTH				TVD				N/S		COORDINATES				E/W		V. SECTION				DLS							
9,961				1.39				184.17				9,954				-12.6		-200.4						52.1				1.8							
10,056				0.40				123.50				10,049				-14.0		-200.3						50.8				1.3							
CONSUMABLES				DIESEL FUEL (gal) Rcvd/Used/On Hand:																DRILL H2O (gal) Rcvd/Used/On Hand:															
OPERATIONS TIME LOG																																			
FROM	TO	HRS	CODE																	Start MD	End MD														
06:00	10:30	4.5	Drilling	Drill Int 2 from : 9,952' to 10,142' (190') @ AVG ROP 42 ' FPH WOB: 30-40 ROT: 33 GPM: 550 TRQ: 12k DIFF: 200-300 PSI: 2400																9952	10142														
10:30	12:30	2.0	Cond Mud & Circ	Circulate bottoms up & build 30 bbl/ 2# over dry job. Flow check & check SICIP (0), Pump Dry Job																10142	10142														
12:30	19:00	6.5	Trips	Trip out of hole due to low ROP (10'-15'/hr) Hole did not take any fill during trip out of hole, total gains = 80 bls																10142	10142														
19:00	21:30	2.5	Dir Work	Change out BHA: Bit and motor, bit was rung out, mud motor was fine but swapped out due to hours																10142	10142														
21:30	23:30	2.0	Trips	TIH - Drill collars and 5" HWDP																10142	10142														
23:30	00:30	1.0	Other	Install rotating head, troubleshoot clamp not closing, change out fitting- packed off blocking air																10142	10142														
00:30	02:30	2.0	Trips	TIH to 10.75" shoe, filling pipe every 3,000'																10142	10142														
02:30	04:30	2.0	Cut off Drill Line	Slip and cut drill line																10142	10142														
04:30	05:00	0.5	Lubricate Rig	Rig service / Monitor well																10142	10142														
05:00	06:00	1.0	Trips	Continue tripping hole to continue drilling 2nd intermediate																10142	10142														



## DRILLING REPORT

WELL: UL Maroon 0904-21 1H		CONTRACTOR: Sidewinder				RIG: Sidewinder 221													
RPT DATE: July 13, 2018		SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD									
API #: 42495341080000		DFS: 74		Conductor		20	52		93	93									
FIELD: WC/BS		REPORT NO: 15		Surface		13-3/8	55	J-55	1,052	1,051									
ELEV: 2,833		DOL: 80		Intermediate		10-3/4	46	J-55	5,145	5,145									
MD: 11,385		LAST BOP TEST: 7/3/18																	
TVD: 11,377																			
24 HR FTG: 1,243		HRS DRLG: 15.5		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	
18:00	9.5	29.0	100.0	1	2	9.7		1	1	1	2	3	122,000	0.50	1.00		0.30	1.00	
REDUCED PUMP RATES																			
PUMP											SPM		PRESS		DEPTH				
#1											30		285		10,867				
#2											40		350						
BIT DATA																			
NO.	SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
6	8.75		Smith		XS616		JN6847		6x15				10,142	11,385	1,243	13.8	35		90
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	National Oilwell		12-P-160		5.500		12.000	75	2500	275		95							
2	National Oilwell		12-P-160		5.500		12.000	75	2500	275		95							
BHA																			
DESCRIPTION:		Intermediate 2 / BHA # 4																	
LENGTH		1,260.47		BHA WT. AIR		82,700		BHA WT. MUD		70,800		HRS. ON JARS							
ROT. WT.		270,000		P.U. WT.		280,000		S.O. WT.		260,000		TORQUE		12,000					
TIME MADE UP		09:30		DATE MADE UP		7/11/2018		TIME PULLED				DATE PULLED		7/13/2018					
SURVEY DATA																			
MD		ANGLE		AZIMUTH		TVD		N/S		COORDINATES		E/W		V. SECTION		DLS			
11,095		0.48		245.94		11,088		-2.9		-197.1		60.3		0.5					
11,190		0.11		142.55		11,183		-3.1		-197.4		60.2		0.5					
11,284		0.68		72.86		11,277		-3.0		-196.8		60.1		0.7					
11,331		1.28		58.79		11,323		-2.6		-196.1		60.2		1.4					
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	08:30	2.5	Trips	Continue trip in hole to 10142' Monitoring for correct displacement/ Well flowing 1 bbl/ min Fill every 3000'											10142	10142			
08:30	17:30	9.0	Drilling	Drill Int 2 from : 10142' to 10864' (722') @ AVG ROP 80 ' FPH Slide from 10603' to 10638' working towards planned NW direction WOB: 30-40 ROT: 75 GPM: 600 TRQ: 12k DIFF: 200-500 PSI: 2500											10142	10864			
17:30	18:00	0.5	Lubricate Rig	Rig Service: Inspect drilling equipment, grease and check all fluids.											10864	10864			
18:00	18:30	0.5	Drilling	Drill Int 2 from : 10864' to 10935' (71') @ AVG ROP 142 ' FPH WOB: 30-40 ROT: 75 GPM: 600 TRQ: 12k DIFF: 200-500 PSI: 2500											10864	10935			
18:30	19:30	1.0	Repair Rig	Change out swab in # 1 pump.											10935	10935			
19:30	01:30	6.0	Drilling	Drill Int 2 from : 10935' to 11385' - TD 2nd intermediate (450') @ AVG ROP 75' FPH Slide @ 11,151 to 11,161, 10' to maintain holding vertical WOB: 30-40 ROT: 75 GPM: 600 TRQ: 12k DIFF: 200-500 PSI: 2500											10935	11385			
01:30	02:30	1.0	Cond Mud & Circ	Circulate B/U at TD, Flow check											11385	11385			
02:30	05:00	2.5	Trips	Perform wiper trip, 13 stands to 10140' while monitoring well on trip tank											11385	11385			
05:00	06:00	1.0	Cond Mud & Circ	Circulate 2 high vis sweeps around, verify shakers clean up, flow check and pump slug											11385	11385			
TOTAL HRS											24.0								
WEATHER																			
GEN. CONDITIONS:		Clear skies, breezy and hot		WIND SPEED:		10		WIND DIRECTION:		SE		TEMP:		93					
COMMENTS:																			
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## DRILLING REPORT

WELL: <a href="#">UL Maroon 0904-21 1H</a>				CONTRACTOR: <a href="#">Sidewinder</a>					RIG: <a href="#">Sidewinder 221</a>					
RPT DATE: <a href="#">July 14, 2018</a>		API #:		<a href="#">42495341080000</a>		SPUD DATE: <a href="#">4/30/18</a>		CASING		OD	WT	GRD	MD	TVD
						DFS: <a href="#">75</a>		<a href="#">Conductor</a>		<a href="#">20</a>	<a href="#">52</a>		<a href="#">93</a>	<a href="#">93</a>
						REPORT NO: <a href="#">16</a>		<a href="#">Surface</a>		<a href="#">13-3/8</a>	<a href="#">55</a>	<a href="#">J-55</a>	<a href="#">1,052</a>	<a href="#">1,051</a>
FIELD: <a href="#">WC/BS</a>						DOL: <a href="#">81</a>		<a href="#">Intermediate</a>		<a href="#">10-3/4</a>	<a href="#">46</a>	<a href="#">J-55</a>	<a href="#">5,145</a>	<a href="#">5,145</a>
ELEV: <a href="#">2,833</a>		RKB:		<a href="#">2,858</a>		LAST BOP TEST: <a href="#">7/3/18</a>								
MD:		TVD:												
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
18:00	9.5	29.0	100.0	1	2	9.7		1	1	1	2	3	122,000		0.50	1.00			0.50	1.00

REDUCED PUMP RATES			
PUMP	SPM	PRESS	DEPTH
#1	30	285	10,867
#2	40	350	

## BIT DATA

NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
6		8.75		Smith		XS616		JN6847		6x15				10,142	11,385	1,243	13.8	35	82.5	90
BIT NO.	6	INNER	1	OUTER	1	DULL	RR	LOC	x	SEAL	X	GAUGE	IN	OTHER	x	RP	TD			

## HYDRAULICS DATA

[illegible]

BHA	
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DESCRIPTION:	Intermediate 2 / BHA # 4						
LENGTH	1,260.47	BHA WT. AIR	82,700	BHA WT. MUD	70,800	HRS. ON JARS	
ROT. WT.	270,000	P.U. WT.	280,000	S.O. WT.	260,000	TORQUE	12,000
TIME MADE UP	09:30	DATE MADE UP	7/11/2018	TIME PULLED	07:30	DATE PULLED	7/13/2018

## SURVEY DATA

[illegible]

## CONSUMABLES

## OPERATIONS TIME LOG

[illegible]

## WEATHER

WEATHER							
GEN. CONDITIONS:	Clear skies, dry and hot	WIND SPEED:		WIND DIRECTION:		TEMP:	95

**COMMENTS:**

## DRILLING REPORT

WELL: UL Maroon 0904-21 1H										CONTRACTOR: Sidewinder										RIG: Sidewinder 221		
RPT DATE: July 15, 2018										SPUD DATE: 4/30/18					CASING			OD	WT	GRD	MD	TVD
					API #:		42495341080000					DFS: 76		Conductor		20	52		93	93		
										REPORT NO: 17			Surface			13-3/8	55	J-55	1,052	1,051		
FIELD: WC/BS										DOL: 82		Intermediate			10-3/4	46	J-55	5,145	5,145			
ELEV: 2,833		RKB:		2,858			LAST BOP TEST: 7/3/18					Intermediate 2			7-5/8	30	HCL-80	11,369	11,369			
MD: 11,385		TVD: 11,378																				
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				
18:00	9.8	29.0	100.0	1	2	9.6		1	1	1	2	3	121,000	0.50	1.00		1.20	1.00				
												REDUCED PUMP RATES										
												PUMP		SPM		PRESS		DEPTH				
												#1		30		285		10,867				
												#2		40		350						
BIT DATA																						
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP		
6		8.75		Smith		XS616		JN6847		6x15				10,142	11,385	1,243	13.8	35	82.5	90		
BIT NO.		6		INNER		1	OUTER	1	DULL	RR	LOC	x	SEAL	X	GAUGE	IN	OTHER	x	RP	TD		
HYDRAULICS DATA																						
PUMP		MAKE		MODEL		LINER		STK		SPM		PSI		GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP	
1		National Oilwell		12-P-160		5,500		12,000														
2		National Oilwell		12-P-160		5,500		12,000														
BHA																						
DESCRIPTION:			Intermediate 2 / BHA # 4																			
LENGTH			1,260.47		BHA WT. AIR			82,700			BHA WT. MUD			70,800			HRS. ON JARS					
ROT. WT.			270,000		P.U. WT.			280,000			S.O. WT.			260,000			TORQUE			12,000		
TIME MADE UP			09:30		DATE MADE UP			7/11/2018			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:										
OPERATIONS TIME LOG																						
FROM		TO		HRS		CODE												Start MD		End MD		
06:00		09:00		3.0		Run Csg & Cement		Continue running casing from 9000'. Ran a total 66 joints 7 5/8" 29.7# HCL-80 BTC semi flush casing w/ cross over joint. Run 185 joints 7 5/8" 29.7# HCL-80 BTC collared casing w/ DV Tool @ 5327', pup joint w/ landing mandrel to land out. Shoe @ 11369' Float Collar @ 11277' Verified w/ GE Rep that we were landed in well head.										11385		11385		
09:00		12:00		3.0		Cond Mud & Circ		Circulate 1.5x the casing volume (781 bbls) Rig down CRT. and casing equipment. Rig up Halliburton cement surface lines										11385		11385		
12:00		13:00		1.0		Run Csg & Cement		Rig down CRT. and casing equipment. Rig up Halliburton cement surface lines Hold PJSM with all personnel										11385		11385		
13:00		17:00		4.0		Run Csg & Cement		Pump First Stage Cement: Mix & Pump 20 bbl. Gel Spacer followed by 535 sks 263 BBL 11.0 Ppg. 2.768 Ft3/Sk, 16.86 gal/sk, Lead Cement @ 5 bpm. Mix & Pump 7.5 sks 16 BBLS 15.6 ppg, 1.197 ft3/sk, 5.4 gal/sk Tail Cement @ 5 bpm. Drop Plug & Displace w/ 518 bbls 9.8# Brine. Bumped plug at calculated displacement w/980 psi & bumped to 1480 psi Held For 5 Minutes. Released Pressure & Floats Held w/ 2.0 bbl Bled Back To Surface. ( Full Returns During 1st Stage Cmt Job)  FCP 980 Psi, Bumped w/1,480 psi @ 2 bpm										11385		11385		
17:00		22:30		5.5		Cond Mud & Circ		Drop DV Tool 30 min & pressure up to 900 psi to shear pins and open tool Circulated bottoms up to clear cement (212 bbls). Estimated cement to surface 100 bbls Continue circulating 5 hrs. First stage thickening time 5 hrs/39 min.										11385		11385		
22:30		01:30		3.0		Run Csg & Cement		Pump stage 2 cement as follows: HPJSM Pump 20 bbl. Gel Spacer followed by 455 sks 200 BBL 11.9 ppg, 2.466 Ft3/Sk, 14.27 gal/sk, Lead Cement @ 5 bpm. Mix & Pump 65 sks 15 BBLS 14.8 ppg, 1.334 ft3/sk, 6.42 gal/sk Tail Cement @ 5 bpm. Drop Plug & Displace w/ 243 bbls 9.8# Brine. Bumped plug at calculated displacement w 780 psi & Held 1500 psi over @ 2280 psi For 5 Minutes. Released Pressure & Floats Held w/ 2.0 bbl Bled Back To Surface. ( Full Returns During 2nd Stage Cmt Job) (Estimate 5 bbl of gel spacer back to surface) Rig down Halliburton iron leaving well shut in to monitor for casing pressure. FCP 780 Psi, Bumped w/1500 psi @ 3 bpm										11385		11385		
01:30		03:00		1.5		Other		Flush out stack and flow line / Remove landing joint. Install set & Test pack off @ 5000 psi/ 10 min										11385		11385		
03:00		06:00		3.0		Rig Up & Tear Down		Nipple down BOP & miscellaneous for walk rig. Clean pits & fill with fresh brine.										11385		11385		
								</														

## DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Sidewinder						RIG: Sidewinder 221		
RPT DATE: July 16, 2018		API #: 42495341080000		SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
				DFS: 77		Conductor		20	52		93	93
				REPORT NO: 18		Surface		13-3/8	55	J-55	1,052	1,051
FIELD: WC/BS				DOL: 83		Intermediate		10-3/4	46	J-55	5,145	5,145
ELEV: 2,833		RKB: 2,858		LAST BOP TEST: 7/3/18		Intermediate 2		7-5/8	30	HCL-80	11,369	11,369
MD: 11,385		TVD: 11,378										
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
18:00	9.8	29.0	100.0			9.6		1	1	1	2	3	121,000		0.50	1.00			1.20	1.00
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1		30		285		10,867		
												#2		40		350				

BIT DATA																				
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
6		8.75		Smith		XS616		JN6847		6x15				10,142	11,385	1,243	13.8	35	82.5	90
BIT NO.	6	INNER	1	OUTER	1	DULL	RR	LOC	x	SEAL	X	GAUGE	IN	OTHER	x	RP	TD			

[illegible]

BHA							
DESCRIPTION:	Intermediate 2 / BHA # 4						
LENGTH	1,260.47	BHA WT. AIR	82,700	BHA WT. MUD	70,800	HRS. ON JARS	
ROT. WT.	270,000	P.U. WT.	280,000	S.O. WT.	260,000	TORQUE	12,000
TIME MADE UP	09:30	DATE MADE UP	7/11/2018	TIME PULLED		DATE PULLED	

[illegible]

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

[illegible]

TOTAL HRS		6.0					
WEATHER							
GEN. CONDITIONS:				WIND SPEED:			
				WIND DIRECTION:			
COMMENTS:							

# DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Sidewinder					RIG: Sidewinder 221			
RPT DATE: August 12, 2018				SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
		API #:	42495341080000	DFS: 104		Conductor		20	52		93	93
				REPORT NO: 19		Surface		13-3/8	55	J-55	1,052	1,051
FIELD: WC/BS				DOL: 110		Intermediate		10-3/4	46	J-55	5,145	5,145
ELEV:	2,833	RKB:	2,858	LAST BOP TEST: 8/12/18		Intermediate 2		7-5/8	30	HCL-80	11,369	11,369
MD:	11,385	TVD:										
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
18:00	9.8	29.0	100.0	8	9	9.6		1	1	1	2	3	121,000		0.50	1.00			1.20	1.00

REDUCED PUMP RATES			
PUMP	SPM	PRESS	DEPTH
#1	30	285	10,867
#2	40	350	

## BIT DATA

NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN		OUT		FEET		HRS		WOB		RPM		ROP	
6		8.75		Smith		XS616		JN6847		6x15				10,142		11,385		1,243		13.8		35		82.5		90	
BIT NO.	6	INNER	1	OUTER	1	DULL	RR	LOC	x	SEAL	X	GAUGE	IN	OTHER	x	RP	TD										

## HYDRAULICS DATA

[illegible]

## BHA

DESCRIPTION:	Intermediate 2 / BHA # 4						
LENGTH	1,260.47	BHA WT. AIR	82,700	BHA WT. MUD	70,800	HRS. ON JARS	
ROT. WT.	270,000	P.U. WT.	280,000	S.O. WT.	260,000	TORQUE	12,000
TIME MADE UP	09:30	DATE MADE UP	7/11/2018	TIME PULLED		DATE PULLED	

## SURVEY DATA

[illegible]

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

<b>FROM</b>	<b>TO</b>	<b>HRS</b>	<b>CODE</b>		<b>Start MD</b>	<b>End MD</b>
06:00	16:00	10.0	Other	Finish operations up on Maroon 3H and walk to Maroon 1H	11385	11385
16:00	18:00	2.0	Nipple Up B.OP.	Center & Level Rig on Maroon 1H. Set stack , torque stack bolts to well head. rig up flow line .	11385	11385
18:00	02:00	8.0	Test B.OP.	Test BOP: / Rig up catch can/ Flow line/ choke lines, ect /Rig down testers	11385	11385
02:00	02:30	0.5	Other	Make up Drilling assembly for shoe track	11385	11385
02:30	06:00	3.5	Trips	TIH to drill DV Tool	11385	11385
<b>TOTAL HRS</b>		<b>24.0</b>				

## WEATHER

WEATHER							
GEN. CONDITIONS:	partly cloudy skies, dry and h	WIND SPEED:	5	WIND DIRECTION:	SE	TEMP:	90

**COMMENTS:**

## DRILLING REPORT

WELL: <u>UL Maroon 0904-21 1H</u>				CONTRACTOR: <u>Sidewinder</u>					RIG: <u>Sidewinder 221</u>			
RPT DATE: <u>August 13, 2018</u>				SPUD DATE: <u>4/30/18</u>		CASING		OD	WT	GRD	MD	TVD
		API #:	<u>42495341080000</u>	DFS: <u>105</u>		<u>Conductor</u>		<u>20</u>	<u>52</u>		<u>93</u>	<u>93</u>
				REPORT NO: <u>20</u>		<u>Surface</u>		<u>13-3/8</u>	<u>55</u>	<u>J-55</u>	<u>1,052</u>	<u>1,051</u>
FIELD: <u>WC/BS</u>				DOL: <u>111</u>		<u>Intermediate</u>		<u>10-3/4</u>	<u>46</u>	<u>J-55</u>	<u>5,145</u>	<u>5,145</u>
ELEV:	<u>2,833</u>	RKB:	<u>2,858</u>	LAST BOP TEST: <u>8/12/18</u>		<u>Intermediate 2</u>		<u>7-5/8</u>	<u>30</u>	<u>HCL-80</u>	<u>11,369</u>	<u>11,369</u>
MD:	<u>11,441</u>	TVD:	<u>11,430</u>									
24 HR FTG:	<u>56</u>	HRS DRLG:	<u>2.5</u>	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
18:00	11.9	61.0		7	8	9.6	3	15	30	35	20	10	43,000				16,800	58.00	6.50	8.00

REDUCED PUMP RATES			
PUMP	SPM	PRESS	DEPTH
#1	30	285	10,867
#2	40	350	

## BIT DATA

[illegible]

BIT NO.		INNER		OUTER		DULL		LOC		SEAL		GAUGE		OTHER		RP	
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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	National Oilwell	12-P-160	4.500	12.000	109	3500	140		95					
2	National Oilwell	12-P-160	4.500	12.000	109	3500	140		95					

BHA	
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DESCRIPTION:	Curve BHA						
LENGTH	1,650.58	BHA WT. AIR	46,800	BHA WT. MUD	38,212	HRS. ON JARS	
ROT. WT.		P.U. WT.		S.O. WT.		TORQUE	
TIME MADE UP	20:00	DATE MADE UP	8/12/2018	TIME PULLED		DATE PULLED	

## SURVEY DATA

[illegible]

<b>CONSUMABLES</b>	DIESEL FUEL (gal) Rvcd/Used/On Hand:	DRILL H2O (gal) Rvcd/Used/On Hand:
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## OPERATIONS TIME LOG

[illegible]

TOTAL HRS	24.0
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**WEATHER**

WEATHER							
GEN. CONDITIONS:	Partly cloudy skies, dry	WIND SPEED:	3	WIND DIRECTION:	S	TEMP:	90

**COMMENTS:**



## DRILLING REPORT

WELL: UL Maroon 0904-21 1H										CONTRACTOR: Sidewinder										RIG: Sidewinder 221			
RPT DATE: August 14, 2018										SPUD DATE: 4/30/18					CASING			OD	WT	GRD	MD	TVD	
API #: 42495341080000										DFS: 106					Conductor			20	52		93	93	
										REPORT NO: 21					Surface			13-3/8	55	J-55	1,052	1,051	
FIELD: WC/BS										DOL: 112					Intermediate			10-3/4	46	J-55	5,145	5,145	
ELEV: 2,833		RKB:		2,858						LAST BOP TEST: 8/12/18					Intermediate 2			7-5/8	30	HCL-80	11,369	11,369	
MD: 12,413		TVD:		11,945																			
24 HR FTG: 972		HRS DRLG:			23.5			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				
18:00	12.3	63.0		6	7		3	15		24	12	45,000				20,000	55.00	10.00	12.00				
												REDUCED PUMP RATES											
												PUMP		SPM		PRESS		DEPTH					
												#1		30		285		10,867					
												#2		40		350							
BIT DATA																							
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP			
7		6.75		ULTERRA		CF611		36680		6X14				11,441	12,413	972	17.5	15		56			
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		National Oilwell		12-P-160		4.500		12.000	110	3800	143		95										
2		National Oilwell		12-P-160		4.500		12.000	110	3800	143		95										
BHA																							
DESCRIPTION:			Curve BHA																				
LENGTH			1,650.58			BHA WT. AIR			46,800			BHA WT. MUD			38,212			HRS. ON JARS					
ROT. WT.						P.U. WT.						S.O. WT.						TORQUE					
TIME MADE UP			20:00			DATE MADE UP			8/12/2018			TIME PULLED						DATE PULLED					
SURVEY DATA																							
MD			ANGLE			AZIMUTH			TVD			N/S		COORDINATES			E/W	V. SECTION		DLS			
12,074			67.70			328.28			11,898			305.2		-401.6				417.5		5.9			
12,122			69.96			329.08			11,916			343.4		-424.9				461.2		5.0			
12,170			74.28			328.84			11,931			382.6		-448.4				505.8		9.0			
12,218			81.61			327.95			11,941			422.5		-473.0				551.5		15.4			
CONSUMABLES				DIESEL FUEL (gal) Rcvd/Used/On Hand:										DRILL H2O (gal) Rcvd/Used/On Hand:									
OPERATIONS TIME LOG																							
FROM		TO		HRS		CODE												Start MD		End MD			
06:00		07:00		1.0		Drilling		Drill from : 11,408' to 11,441' (33') @ AVG ROP 33 ' FPH WOB: 30 ROT: 30 GPM: 240 TRQ: 6k DIFF:200-400 PSI: 3500										11408		11441			
07:00		03:30		20.5		Drilling		Drill curve from 11441 (KOP) w/ GPM 278, RPM 0-25-30, WOB 25-55, DIFF 200- 400, PSI 3650 Slide 11441' to 11501' = 60' @ TF 322-358/ Rotate 11501' to 11507'=6' Slide 11507' to 11547'= 40' @ TF 310/ Rotate 11547' to 11556'= 9' Slide 11556' to 11597'= 41' @ TF 40/ Rotate 11597' to 11604'=7' Slide 11604' to 11643'= 39' @ TF 40 Slide 11643' to 11739'=96' @ TF -40-40 Rotate 11739' to 11748'= 9/ Slide 11748' to 11790'= 42' @ TF 40 Rotate 11790' to 11796'= 6/ Slide 11796' to 11836'= 40' @ TF 20-40 Rotate 11836' to 11843'= 7/ Slide 11843' to 11886'= 43' @ TF 80 Rotate 11886' to 11896'= 10/ Slide 11896' to 11932'= 36' @ TF 20-100 Rotate 11932' to 11940'= 7/ Slide 11940' to11982' 42' HS Slide 11982' to 12030'HS 48' Rotate 12030' to 12042' 12' Slide 12042' to 12276' 234' Landed curve 12276' / 5' low , 1' left										11441		12276			
03:30		05:30		2.0		Drilling		Drill from : 12,276' to 12,413' (137') @ AVG ROP 68.5 ' FPH WOB: 30 ROT: 30 GPM: 240 TRQ: 6k DIFF:200-400 PSI: 3500										12276		12413			
05:30		06:00		0.5		Cond Mud & Circ		Circulate B/U, flow check, pump slug										12413		12413			
				</																			



# DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Sidewinder					RIG:		Sidewinder 221		
RPT DATE: August 15, 2018				SPUD DATE: 4/30/18			CASING		OD	WT	GRD	MD	TVD
		API #:	42495341080000		DFS: 107		Conductor		20	52		93	93
				REPORT NO: 22		Surface		13-3/8	55	J-55	1,052	1,051	
FIELD: WC/BS				DOL: 113		Intermediate		10-3/4	46	J-55	5,145	5,145	
ELEV:		2,833	RKB:	2,858		LAST BOP TEST: 8/12/18		Intermediate 2	7-5/8	30	HCL-80	11,369	11,369
MD:		12,676	TVD:	11,940									
24 HR FTG:		263	HRS DRLG: 4.5		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
18:00	12.6	63.0		6	7		3	16	29	34	21	13	49,000				22,000	56.00	5.50	10.00
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1		30		285		10,867		
												#2		40		350				

BIT DATA																				
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
8		6.75		Reed Hycalog		TKC63		A243811		6x9				12,411	12,676	265	2.5	20	193	106
7		6.75		ULTERRA		CF611		36680		6X14		N		11,441	12,413	972	17.5	15	185	56
BIT NO.	7	INNER	3	OUTER	1	DULL	WT	LOC	Nose	SEAL	X	GAUGE	IN	OTHER		RP		TD		

HYDRAULICS DATA														
PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	National Oilwell	12-P-160	4.500	12.000	55	4500	135		95					
2	National Oilwell	12-P-160	4.500	12.000	55	4500	135		95					

BHA							
DESCRIPTION:	Lateral assembly # 1						
LENGTH		BHA WT. AIR	270,117	BHA WT. MUD	218,076	HRS. ON JARS	
ROT. WT.		P.U. WT.		S.O. WT.		TORQUE	
TIME MADE UP	18:00	DATE MADE UP	8/14/2018	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	07:00	1.0	Cond Mud & Circ	Circulate Bottoms up. (322 bbls), Flow check, Pump 20 bbls/ 2# over dry job @ 14.6#	12411	12411
07:00	08:30	1.5	Trips	Wiper Trip high sided through curve.	12411	12411
08:30	09:30	1.0	Cond Mud & Circ	Circulate Bottoms up. (322 bbls), Flow check, Pump 20 bbls/ 2# over dry job @ 14.6#	12411	12411
09:30	16:00	6.5	Trips	TOH for Lateral Assembly.	12411	12411
16:00	17:30	1.5	Dir Work	Lay down curve assembly, pick up lateral assembly	12411	12411
17:30	01:00	7.5	Trips	TIH / Shallow hole test MWD/LWD tool / Pick up drill and ream, Encountered tight spot running lateral BHA in starting @ 12050' +/- 65 deg in curve through 12150' / DLS +/- 9 -15 deg, TIH to bottom at 12,411'	12411	12411
01:00	01:30	0.5	Other	Down link tool - Nudge up @ HIA, Troubleshoot MWD tool / Low quality decoding	12411	12411
01:30	06:00	4.5	Drilling	Drill Lateral from : 12,411' to 12,676' (265') @ AVG ROP 58' FPH WOB: 20-30 ROT: 70-80 GPM: 280 TRQ: 8 DIFF: 500-600 PSI: 4000	12411	12676
			</			

## DRILLING REPORT

WELL: UL Maroon 0904-21 1H										CONTRACTOR: Sidewinder										RIG: Sidewinder 221					
RPT DATE: August 16, 2018										SPUD DATE: 4/30/18					CASING			OD	WT	GRD	MD	TVD			
API #: 42495341080000										DFS: 108					Conductor			20	52		93	93			
										REPORT NO: 23					Surface			13-3/8	55	J-55	1,052	1,051			
FIELD: WC/BS										DOL: 114					Intermediate			10-3/4	46	J-55	5,145	5,145			
ELEV: 2,833										RKB: 2,858					LAST BOP TEST: 8/12/18			Intermediate 2			7-5/8	30	HCL-80	11,369	11,369
MD: 14,253										TVD: 11,918															
24 HR FTG: 1,577										HRS DRLG: 23					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				
18:00	12.7	59.0		6	7		3	15	28	32	21	11	52,000					20,000	56.00	4.30	9.00				
												REDUCED PUMP RATES													
												PUMP		SPM		PRESS		DEPTH							
												#1		30		800		13,869							
												#2		40		1,030		13,869							
BIT DATA																									
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP					
8		6.75		Reed Hycalog		TKC63		A243811		6x9				12,676	14,253	1,577	24.0	20	193	66					
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		National Oilwell		12-P-160		4.500		12,000	58	4850	272	.0560	95	14.32				1.09		1600					
2		National Oilwell		12-P-160		4.500		12,000	58	4850	272	.0560	95	14.32				1.09		1600					
BHA																									
DESCRIPTION:		Lateral assembly # 1																							
LENGTH		104.23		BHA WT. AIR				270.117				BHA WT. MUD				218.076				HRS. ON JARS					
ROT. WT.				P.U. WT.								S.O. WT.				TORQUE									
TIME MADE UP		18:00		DATE MADE UP				8/14/2018				TIME PULLED				DATE PULLED									
SURVEY DATA																									
MD		ANGLE				AZIMUTH				TVD		N/S		COORDINATES		E/W	V. SECTION		DLS						
13,910		89.17				346.06				11,915		1,976.1		-1,104.6			2,225.5		0.1						
14,006		89.68				345.85				11,916		2,173.8		-1,127.9			2,429.5		0.6						
14,102		88.76				343.73				11,917		2,266.4		-1,182.1			2,525.3		2.4						
14,198		89.41				345.86				11,918		2,254.5		-1,178.2			2,512.8		2.3						
CONSUMABLES				DIESEL FUEL (gal) Rcvd/Used/On Hand:								DRILL H2O (gal) Rcvd/Used/On Hand:													
OPERATIONS TIME LOG																									
FROM	TO	HRS	CODE															Start MD	End MD						
06:00	08:30	2.5	Drilling	Drill Lateral from : 12,676' to 12,765' (89') @ AVG ROP 36' FPH @ 12,676', Control drill 75 fph @ 75% steerability to correct AZM for turn to 343.71 from 326.53 WOB: 20-30                      ROT: 70-80 GPM: 280                        TRQ: 8 DIFF: 500-600                PSI: 4000														12676	12765						
08:30	09:00	0.5	Lubricate Rig	Rig Service: Inspect drilling equipment grease and check all fluids.														12765	12765						
09:00	11:00	2.0	Drilling	Drill Lateral from : 12,765' to 12,857' (92') @ AVG ROP 46' FPH @ 12,676', Control drill 75 fph @ 75% steerability to correct AZM for turn to 343.71 from 326.53 WOB: 20-30                      ROT: 70-80 GPM: 280                        TRQ: 8 DIFF: 500-600                PSI: 4000														12765	12857						
11:00	11:30	0.5	Repair Rig	Repair link tilt cylinder on Top Drive.														12857	12857						
11:30	06:00	18.5	Drilling	Drill Lateral from : 12,857' to 14,253' (1396') @ AVG ROP 75.5' FPH WOB: 20-30                      ROT: 70-80 GPM: 280                        TRQ: 8 DIFF: 500-600                PSI: 4000 From 12676' to 13040' Control drill 75 fph @ 75% steerability to correct AZM for turn to 343.71 from 326.53 13402' Down Link into HIA to hold 90.6 degrees as per target change, due to GR spike (200-300) 5-10% bentonite seen in 13000' sample. Down Link @ 13,412' nudge down. Down Link @ 13,514' Nudge Down Down Link @ 13,788' Nudge Down Down Link @ 14,099' Nudge Up Down Link @ 14,193' Nudge Up														12857	14253						
</																									

## DRILLING REPORT

## DRILLING REPORT

WELL: <u>UL Maroon 0904-21 1H</u>				CONTRACTOR: <u>Sidewinder</u>				RIG: <u>Sidewinder 221</u>	
RPT DATE: <u>August 18, 2018</u>				SPUD DATE: <u>4/30/18</u>		CASING		OD	WT
		API #:	<u>42495341080000</u>	DFS: <u>110</u>		<u>Conductor</u>		<u>20</u>	<u>52</u>
				REPORT NO: <u>25</u>		<u>Surface</u>		<u>13-3/8</u>	<u>55</u>
				DOL: <u>116</u>		<u>Intermediate</u>		<u>10-3/4</u>	<u>46</u>
FIELD: <u>WC/BS</u>				LAST BOP TEST: <u>8/12/18</u>		<u>Intermediate 2</u>		<u>7-5/8</u>	<u>30</u>
ELEV:	<u>2,833</u>	RKB:	<u>2,858</u>					<u>HCL-80</u>	<u>11,369</u>
MD:	<u>17,035</u>	TVD:	<u>11,945</u>						
24 HR FTG:	<u>1,400</u>	HRS DRLG:	<u>23.5</u>	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
18:00	12.6	62.0		4	5		3	13	26	30	21	10	50,000				21,600	56.00	5.40	9.00

REDUCED PUMP RATES			
PUMP	SPM	PRESS	DEPTH
#1	30	800	13,869
#2	40	1,030	13,869

## BIT DATA

NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN		OUT		FEET		HRS		WOB		RPM		ROP	
8		6.75		Reed Hycalog		TKC63		A243811		6x9				15,635		17,035		1,400		24.0		20		193		58	
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	National Oilwell	12-P-160	4.500	12.000	58	5250	272	2.352	95	14.49			1.09	1600
2	National Oilwell	12-P-160	4.500	12.000	58	5250	272	2.352	95	14.49			1.09	1600

BHA	
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DESCRIPTION:	Lateral assembly # 1						
LENGTH	104.23	BHA WT. AIR	270,117	BHA WT. MUD	218,076	HRS. ON JARS	
ROT. WT.	230,000	P.U. WT.	280,000	S.O. WT.	200,000	TORQUE	12,000
TIME MADE UP	18:00	DATE MADE UP	8/14/2018	TIME PULLED		DATE PULLED	

## SURVEY DATA

MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
16,670	89.72	341.77	11,944	4,634.8	-1,841.6		4,980.3	1.5
16,766	89.79	341.69	11,945	4,726.0	-1,871.7		5,076.3	0.1
16,861	89.72	341.95	11,945	4,816.3	-1,901.4		5,171.3	0.3
16,956	89.89	341.84	11,945	4,906.7	-1,930.5		5,266.3	0.7

<b>CONSUMABLES</b>	DIESEL FUEL (gal) Rvcd/Used/On Hand:	DRILL H2O (gal) Rvcd/Used/On Hand:
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## OPERATIONS TIME LOG

[illegible][illegible]

## WEATHER

WEATHER							
GEN. CONDITIONS:	Partly Cloudy	WIND SPEED:	13	WIND DIRECTION:	SE	TEMP:	77

**COMMENTS:**



# DRILLING REPORT

WELL: UL Maroon 0904-21 1H		CONTRACTOR: Sidewinder				RIG: Sidewinder 221																							
RPT DATE: August 19, 2018		SPUD DATE: 4/30/18		CASING	OD	WT	GRD	MD	TVD																				
API #: 42495341080000		DFS: 111		Conductor	20	52		93	93																				
		REPORT NO: 26		Surface	13-3/8	55	J-55	1,052	1,051																				
FIELD: WC/BS		DOL: 117		Intermediate	10-3/4	46	J-55	5,145	5,145																				
ELEV: 2,833		RKB: 2,858	LAST BOP TEST: 8/12/18		Intermediate 2	7-5/8	30	HCL-80	11,369																				
MD: 18,393		TVD: 11,978																											
24 HR FTG: 1,358		HRS DRLG: 22	CSGHD:																										
DRILLING FLUID																													
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP											
18:00	12.8	66.0		6	7		3	17	32	36	25	15	54,000			22,400	56.00	5.60	7.00										
										REDUCED PUMP RATES																			
										PUMP	SPM	PRESS	DEPTH																
										#1	30	800	13,869																
										#2	40	1,030	13,869																
BIT DATA																													
NO.	SIZE	MAKE	TYPE	SER NO.	NOZZLES	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP																
8	6.75	Reed Hycalog	TKC63	A243811	6x9		17,035	18,393	1,358	24.0	20	193	57																
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	National Oilwell	12-P-160	4.500	12,000	58	5600	275	2,352	95	14.89			1.09	1600															
2	National Oilwell	12-P-160	4.500	12,000	58	5600	275	2,352	95	14.89			1.09	1600															
BHA																													
DESCRIPTION:		Lateral assembly # 1																											
LENGTH		104.23	BHA WT. AIR		270,117	BHA WT. MUD		218,076	HRS. ON JARS																				
ROT. WT.		230,000	P.U. WT.		280,000	S.O. WT.		200,000	TORQUE		12,000																		
TIME MADE UP		18:00	DATE MADE UP		8/14/2018	TIME PULLED		DATE PULLED																					
SURVEY DATA																													
MD		ANGLE	AZIMUTH		TVD	N/S	COORDINATES		E/W	V. SECTION	DLS																		
18,002		88.33	343.87		11,968	5,905.1		-2,240.7		6,311.5		0.9																	
18,097		88.26	343.74		11,971	5,996.3		-2,267.2		6,406.4		0.2																	
18,197		88.46	343.83		11,974	6,088.4		-2,294.0		6,502.2		0.2																	
18,287		86.68	340.90		11,978	6,177.9		-2,322.4		6,596.1		3.6																	
CONSUMABLES										DIESEL FUEL (gal) Rcvd/Used/On Hand:										DRILL H2O (gal) Rcvd/Used/On Hand:									
OPERATIONS TIME LOG																													
FROM	TO	HRS	CODE									Start MD	End MD																
06:00	11:00	5.0	Drilling	Drill Lateral from : 17,035' to 17300' (265') @ AVG ROP 53' FPH WOB: 20-30 ROT: 70-80 GPM: 275 TRQ: 12 DIFF: 500-700 PSI: 5600 Received TL change @ 0930 hrs. ( 11807' KBTVD @ 0°VS 88.5 deg INC.) Down link 17277' nudge down x2 due to target change.								17035	17300																
11:00	11:30	0.5	Lubricate Rig	Rig Service: Inspect drilling equipment , grease & check all fluids.								17300	17300																
11:30	04:30	17.0	Drilling	Drill Lateral from : 17300' to 18393' (1093') @ AVG ROP 64' FPH WOB: 20-30 ROT: 70-80 GPM: 275 TRQ: 12 DIFF: 500-700 PSI: 5600 Down link @ 17,334' Nudge down to follow target line. Down Link @ 18,367' 75% 18 TF ( Control drill @ 30 FT/HR F/18,367' T/18,393') Possible Power Drive Failure								17300	18393																
04:30	06:00	1.5	Cond Mud & Circ	CM&C @ 18,393 Build 40 bbl 2.5# Dry Job								18393	18393																
TOTAL HRS												24.0																	
WEATHER																													
GEN. CONDITIONS:		Partly Cloudy		WIND SPEED:		6		WIND DIRECTION:		SE		TEMP:		77															
COMMENTS:																													
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## DRILLING REPORT

WELL: UL Maroon 0904-21 1H										CONTRACTOR: Sidewinder										RIG: Sidewinder 221																																					
RPT DATE: August 20, 2018										SPUD DATE: 4/30/18										CASING				OD		WT		GRD		MD		TVD																									
API #: 42495341080000										DFS: 112										Conductor				20		52				93		93																									
										REPORT NO: 27										Surface				13-3/8		55		J-55		1,052		1,051																									
FIELD: WC/BS										DOL: 118										Intermediate				10-3/4		46		J-55		5,145		5,145																									
ELEV: 2,833										RKB: 2,858										LAST BOP TEST: 8/12/18				Intermediate 2				7-5/8		30		HCL-80		11,369		11,369																					
MD: 18,393										TVD: 11,978																																															
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																					
18:00		12.9		69.0				8		9				3		16		31		35		27		15		54,000						22,000		56.00		2.90		9.00																			
																				REDUCED PUMP RATES																																					
																				PUMP				SPM				PRESS				DEPTH																									
																				#1				30				800				13,869																									
				#2				40				1,030				13,869																																									
BIT DATA																																																									
NO.		SIZE				MAKE				TYPE				SER NO.				NOZZLES				RE-RUN				IN		OUT		FEET		HRS		WOB		RPM		ROP																			
9		6.75				Reed Hycalog				TKC63				E243669				6x9								18,393																															
8		6.75				Reed Hycalog				TKC63				A243811				6x9				N				17,035		18,393		1,358		24.0		20		193		57																			
BIT NO.		8		INNER		3		OUTER		3		DULL		T/ WC/ C		LOC		All		SEAL		X		GAUGE		IN		OTHER		RP		PD Failure																									
HYDRAULICS DATA																																																									
PUMP		MAKE				MODEL				LINER				STK				SPM				PSI				GPM				GPS				EFF %				ECD				AV DP				AV DC				BIT HHP				PUMP HHP			
1		National Oilwell				12-P-160				4.500				12.000																																											
2		National Oilwell				12-P-160				4.500				12.000																																											
BHA																																																									
DESCRIPTION:										Lateral assembly # 2																																															
LENGTH										100.12				BHA WT. AIR				270,117				BHA WT. MUD				218,076				HRS. ON JARS																											
ROT. WT.										230,000				P.U. WT.				280,000				S.O. WT.				200,000				TORQUE				12,000																							
TIME MADE UP										18:00				DATE MADE UP				8/19/2018				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:																																					
OPERATIONS TIME LOG																																																									
FROM		TO		HRS		CODE														Start MD		End MD																																			
06:00		07:00		1.0		Cond Mud & Circ		Continue CBU, Flow Check Pump 40/2.5# over dry job												18393		18393																																			
07:00		15:00		8.0		Trips		TOH due to power drive not steering. At 18,300', inclination dropped from 86.6 to 83.5 degrees. Projection to the bit took us from 2' below to 13 below. Filling hole every 5 stands, monitoring for correct fill. Decision was made to TOH for 2nd Lateral assembly. Encountered tight spot from 18,240' to 18,145'												18393		18393																																			
15:00		16:00		1.0		Dir Work		Lay down real time Lateral Assembly #1, Bit Graded @ 3/3												18393		18393																																			
16:00		18:30		2.5		Dir Work		Make up real time Lateral Assembly #2 w/ 6.75" Reed TKC 63 & 5" Dynaforce 7/8, 8.4, 0.70 rpg. Shallow test tools, scribe motor.												18393		18393																																			
18:30		23:30		5.0		Trips		TIH, filling pipe @ 5,000' @ casing shoe (11,369')												18393		18393																																			
23:30		01:00		1.5		Cut off Drill Line		Slip & Cut Drilling Line												18393		18393																																			

## DRILLING REPORT

WELL: UL Maroon 0904-21 1H										CONTRACTOR: Sidewinder										RIG: Sidewinder 221					
RPT DATE: August 21, 2018										SPUD DATE: 4/30/18					CASING			OD	WT	GRD	MD	TVD			
API #: 42495341080000										DFS: 113					Conductor			20	52		93	93			
										REPORT NO: 28					Surface			13-3/8	55	J-55	1,052	1,051			
FIELD: WC/BS										DOL: 119					Intermediate			10-3/4	46	J-55	5,145	5,145			
ELEV: 2,833										RKB: 2,858					LAST BOP TEST: 8/12/18			Intermediate 2			7-5/8	30	HCL-80	11,369	11,369
MD: 19,950										TVD: 12,055															
24 HR FTG: 1,557										HRS DRLG: 22					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					
18:00	12.9	63.0		8	9		3	17	40	48	25	18	57,500				26,000	54.00	7.20	9.00					
												REDUCED PUMP RATES													
												PUMP		SPM		PRESS		DEPTH							
												#1		20		550		18,750							
												#2		40		980		18,750							
BIT DATA																									
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP					
9		6.75		Reed Hycalog		TKC63		E243669		6x9				18,393	19,950	1,557	22.5	25	350	69					
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		National Oilwell		12-P-160		4.500		12.000	58	6200	270	.0560	95	15.15						1600					
2		National Oilwell		12-P-160		4.500		12.000	58	6200	270	.0560	95	15.15						1600					
BHA																									
DESCRIPTION:			Lateral assembly # 2																						
LENGTH			100.12		BHA WT. AIR			270.117			BHA WT. MUD			218.076			HRS. ON JARS								
ROT. WT.			230.000		P.U. WT.			280.000			S.O. WT.			200.000			TORQUE			12.000					
TIME MADE UP			18:00		DATE MADE UP			8/19/2018			TIME PULLED						DATE PULLED								
SURVEY DATA																									
MD		ANGLE		AZIMUTH		TVD		N/S	COORDINATES		E/W	V. SECTION		DLS											
19,519		87.15		345.02		12,036		7,357.6		-2,670.9		7,825.3		1.0											
19,613		85.36		345.16		12,042		7,448.2		-2,695.0		7,918.9		1.9											
19,708		87.60		345.52		12,048		7,540.0		-2,719.0		8,013.5		2.4											
19,803		87.66		345.50		12,052		7,631.9		-2,742.8		8,108.2		0.1											
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	06:30	0.5	Drilling	Drill Lateral from : 18,393' - 18,408' (15') @ AVG ROP 30 FPH WOB: 20-30                      ROT: 70-80 GPM: 275                        TRQ: 12 DIFF: 500-700                PSI: 5600 Down linked power drive into absolute TF 18 @ 100% for INC. correction.														18393	18408						
06:30	07:00	0.5	Lubricate Rig	Rig Service: Inspect drilling equipment , grease and check all fluids. Change out 2" bleed off valve #2 pump														18408	18408						
07:00	21:30	14.5	Drilling	Drill Lateral from : 18,408' to 19,445' (1,037') @ AVG ROP 74 FPH WOB: 20-30                      ROT: 70-80 GPM: 275                        TRQ: 12 DIFF: 500-700                PSI: 6400 Down link power drive @ 18,408' into HIA @ 88.5 degrees & 343.71 AZI to follow TL dip. Control drill @ 50 FPH from 18,408' to 18,508' due to DLS @ 5.6 degrees TL change @ 09:00hrs. 11724 KBTVD 0'VS @ 88.7 degrees INC. Down Link 18615' nudge down due to INC. increase from 87 to 88 degrees. Down Link 19102' nudge left due to AZM walking 345 to 347 Down Link 19400' nudge right														18408	19445						
21:30	22:30	1.0	Repair Rig	C/O pop-off pin assembly on #2 mp & a swab on #1 mp														19445	19445						
22:30	05:00	6.5	Drilling	Drill Lateral from : 19,445' to 19,930' (485') @ AVG ROP 75 FPH WOB: 20-30                      ROT: 70-80 GPM: 275                        TRQ: 12 DIFF: 500-700                PSI: 5600 Control Drill @ 50 FPH due to formation deflection 19,683' to 19,691' (Dropped from 87.15 to 85.36) Down Link @ 19,691' Nudge Up & Continue Control Drilling to 19,700'														19445	19930						
05:00	05:30	0.5	Repair Rig	C/O a swab in #1 MP & C/O Pop off pin assembly again (Borrowed pin assembly from rig 101)														19930	19930						
05:30	06:00	0.5	Drilling	Drill Lateral from : 19,930' to 19,950' (20') @ AVG ROP 40' FPH WOB: 20-30                      ROT: 70-80 GPM: 275                        TRQ: 12 DIFF: 500-700                PSI: 5600														19930	19950						





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WELL: UL Maroon 0904-21 1H										CONTRACTOR: Sidewinder										RIG: Sidewinder 221				
RPT DATE: August 23, 2018										SPUD DATE: 4/30/18					CASING			OD	WT	GRD	MD	TVD		
API #: 42495341080000										DFS: 115					Conductor			20	52	93 93				
										REPORT NO: 30					Surface			13-3/8	55	J-55	1,052	1,051		
FIELD: WC/BS										DOL: 121					Intermediate			10-3/4	46	J-55	5,145	5,145		
ELEV: 2,833		RKB: 2,858								LAST BOP TEST: 8/12/18					Intermediate 2			7-5/8	30	HCL-80	11,369	11,369		
MD: 22,675		TVD: 12,106																						
24 HR FTG: 1,100		HRS DRLG: 21.5		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	HTHF				
18:00	13.3	71.0		9	10		3	17	36	39	33	19	51,000					24,000	54.00	8.40	8.00			
												REDUCED PUMP RATES												
												PUMP		SPM		PRESS		DEPTH						
												#1		20		550		18,750						
		#2		40		980		18,750																
BIT DATA																								
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP				
9		6.75		Reed Hycalog		TKC63		E243669		6x9				21,575	22,675	1,100	24.0	25	350	46				
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		National Oilwell		12-P-160		4.500		12.000		108		6400		255	.0560	95	16.35			1.09	1600			
2		National Oilwell		12-P-160		4.500		12.000																
BHA																								
DESCRIPTION:		Lateral assembly # 2																						
LENGTH		100.12		BHA WT. AIR		270.117		BHA WT. MUD		218.076		HRS. ON JARS		15,000										
ROT. WT.		230,000		P.U. WT.		315,000		S.O. WT.		190,000		TORQUE												
TIME MADE UP		18:00		DATE MADE UP		8/19/2018		TIME PULLED		DATE PULLED														
SURVEY DATA																								
MD		ANGLE		AZIMUTH		TVD		N/S		COORDINATES		E/W		V. SECTION		DLS								
22,273		91.91		343.76		12,112		10,004.2		-3,422.8		10,573.5		0.1										
22,369		91.60		343.55		12,109		10,096.3		-3,449.8		10,669.3		0.4										
22,464		90.74		343.71		12,107		10,187.4		-3,476.6		10,764.2		0.9										
22,559		90.84		343.76		12,106		10,278.6		-3,503.2		10,859.1		0.1										
CONSUMABLES																								
DIESEL FUEL (gal) Rcvd/Used/On Hand:								DRILL H2O (gal) Rcvd/Used/On Hand:																
OPERATIONS TIME LOG																								
FROM	TO	HRS	CODE															Start MD	End MD					
06:00	11:00	5.0	Drilling	Drill Lateral from : 21,575' to 21,851' (276') @ AVG ROP 55.2 FPH WOB: 20-30 ROT: 70-80 GPM: 268 TRQ: 12 DIFF: 500-700 PSI: 5800 Target Changed @ 08:45 12,220' KBTVD (0' VS) at 90.6° INC, 343.71° AZM														21575	21851					
11:00	13:00	2.0	Dir Work	Multiple down links due to bad surveys and tool no taking Drill Lateral from : 21,851' to 21,876' (35') @ AVG ROP 17.5 FPH WOB: 20-30 ROT: 70-80 GPM: 268 TRQ: 12 DIFF: 500-700 PSI: 5800														21851	21876					
13:00	14:30	1.5	Drilling	Drill Lateral from : 21,876' to 21,946' (70') @ AVG ROP 35 FPH WOB: 20-30 ROT: 70-80 GPM: 268 TRQ: 12 DIFF: 500-700 PSI: 5800														21876	21946					
14:30	15:00	0.5	Lubricate Rig	Rig service inspect top drive noise, Traction motor is going out, conference call with sidewinder decision made to run until it goes out.														21946	21946					
15:00	06:00	15.0	Drilling	Drill Lateral from : 21,946' to 22,675' (729') @ AVG ROP 47 FPH WOB: 20-30 ROT: 70-80 GPM: 268 TRQ: 12 DIFF: 500-700 PSI: 5800 Down Link 22,373' Nudge Down x 2														21946	22675					

## DRILLING REPORT

WELL: UL Maroon 0904-21 1H										CONTRACTOR: Sidewinder										RIG: Sidewinder 221											
RPT DATE: August 24, 2018										SPUD DATE: 4/30/18										CASING					OD	WT	GRD	MD	TVD		
API #: 42495341080000										DFS: 116										Conductor					20	52	93		93		
										REPORT NO: 31										Surface					13-3/8	55	J-55	1,052	1,051		
FIELD: WC/BS										DOL: 122										Intermediate					10-3/4	46	J-55	5,145	5,145		
ELEV: 2,833					RKB: 2,858					LAST BOP TEST: 8/12/18										Intermediate 2					7-5/8	30	HCL-80	11,369	11,369		
MD: 23,390					TVD: 21.5																										
24 HR FTG: 715					HRS DRLG: 21.5					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	HTH											
18:00	13.3	76.0		9	10		3	17	32	33	31	17	45.00				20,000	56.00	2.30	9.00											
												REDUCED PUMP RATES																			
												PUMP		SPM		PRESS		DEPTH													
												#1		20		550		18,750													
												#2		40		980		18,750													
BIT DATA																															
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP											
9		6.75		Reed Hycalog		TKC63		E243669		6x9				22,675	23,390	715	24.0	25	350	30											
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		National Oilwell		12-P-160		4.500		12.000		57		6300		270		.0560		95		16.24						1.09		1600			
2		National Oilwell		12-P-160		4.500		12.000		57		6300		270		.0560		95		16.24						1.09		1600			
BHA																															
DESCRIPTION:				Lateral assembly # 2																											
LENGTH				100.12				BHA WT. AIR				270,117				BHA WT. MUD				218,076				HRS. ON JARS							
ROT. WT.				230,000				P.U. WT.				325,000				S.O. WT.				180,000				TORQUE				16,000			
TIME MADE UP				18:00				DATE MADE UP				8/19/2018				TIME PULLED								DATE PULLED							
SURVEY DATA																															
MD				ANGLE				AZIMUTH				TVD				N/S				COORDINATES				E/W		V. SECTION				DLS	
22,939				90.62				343.86				12,102				10,643.3				-3,610.0						11,238.8				0.5	
23,034				90.59				343.73				12,101				10,734.5				-3,636.5						11,333.7				0.1	
23,129				90.90				343.90				12,100				10,825.7				-3,662.9						11,428.6				0.4	
23,224				90.50				343.60				12,098				10,916.9				-3,689.5						11,523.5				0.5	
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		17:30		11.5		Drilling		Drill Lateral from : 22,675" to 23,193' (518') @ AVG ROP 45 FPH WOB: 20-30 ROT: 70-80 GPM: 268 TRQ: 12 DIFF: 500-700 PSI: 5800												22675		23193									
17:30		18:00		0.5		Lubricate Rig		Rig Service												23193		23193									
18:00		23:30		5.5		Drilling		Drill Lateral from : 23,193' to 23332' (139') @ AVG ROP 25 FPH WOB: 20-30 ROT: 70-80 GPM: 268 TRQ: 12 DIFF: 500-700 PSI: 5800 Control drill from 23,305' to 23,332' @ 15 FPH												23193		23332									
23:30		00:30		1.0		Repair Rig		C/O a Mud line Seal												23332		23332									
00:30		01:00		0.5		Drilling		Drill Lateral from : 23,332' to 23,339' (7') @ AVG ROP 14 FPH WOB: 20-30 ROT: 70-80 GPM: 268 TRQ: 12 DIFF: 500-700 PSI: 5800 Control drill from 23,332' to 23,339' @ 15 FPH												23332		23339									
01:00		01:30		0.5		Repair Rig		C/O a Swab on #2 MP #2 Module #1 MP was still down due to a liner gasket that blew prior to the mud line gasket												23339		23339									
01:30		03:30		2.0		Drilling		Drill Lateral from : 23,339' to 23,363' (24') @ AVG ROP 12 FPH WOB: 20-30 ROT: 70-80 GPM: 268 TRQ: 12 DIFF: 500-700 PSI: 5800 Control drill from 23,339' to 23,363' @ 15 FPH												23339		23363									
03:30		04:00		0.5		Repair Rig		C/O the swivel packing												23363		23363									
04:00		06:00		2.0		Drilling		Drill Lateral from : 23,363' to 23,390' (27') @ AVG ROP 13.5 FPH WOB: 20-30 ROT: 70-80 GPM: 268 TRQ: 12 DIFF: 500-700 PSI: 5800 Control drill from 23,363' to 23,390' @ 15 FPH												23363		23390									
		</																													

## DRILLING REPORT

WELL: <a href="#">UL Maroon 0904-21 1H</a>				CONTRACTOR: <a href="#">Sidewinder</a>					RIG: <a href="#">Sidewinder 221</a>			
RPT DATE: <a href="#">August 25, 2018</a>		API #: <a href="#">42495341080000</a>		SPUD DATE: <a href="#">4/30/18</a>		CASING		OD	WT	GRD	MD	TVD
				DFS: <a href="#">117</a>		<a href="#">Conductor</a>		<a href="#">20</a>	<a href="#">52</a>		<a href="#">93</a>	<a href="#">93</a>
				REPORT NO: <a href="#">32</a>		<a href="#">Surface</a>		<a href="#">13-3/8</a>	<a href="#">55</a>	<a href="#">J-55</a>	<a href="#">1,052</a>	<a href="#">1,051</a>
FIELD: <a href="#">WC/BS</a>				DOL: <a href="#">123</a>		<a href="#">Intermediate</a>		<a href="#">10-3/4</a>	<a href="#">46</a>	<a href="#">J-55</a>	<a href="#">5,145</a>	<a href="#">5,145</a>
ELEV: <a href="#">2,833</a>		RKB:	<a href="#">2,858</a>	LAST BOP TEST: <a href="#">8/12/18</a>		<a href="#">Intermediate 2</a>		<a href="#">7-5/8</a>	<a href="#">30</a>	<a href="#">HCL-80</a>	<a href="#">11,369</a>	<a href="#">11,369</a>
MD: <a href="#">23,405</a>		TVD:										
24 HR FTG: <a href="#">15</a>		HRS DRLG: <a href="#">1.5</a>		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
18:00	13.3	76.0		9	10		3	17	32	33	31	17	45,000				20,000	56.00	2.30	9.00

REDUCED PUMP RATES			
PUMP	SPM	PRESS	DEPTH
#1	20	550	18,750
#2	40	980	18,750

BIT DATA																											
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN		OUT		FEET		HRS		WOB		RPM		ROP	
9		6.75		Reed Hycalog		TKC63		E243669		6x9				23,390		23,405		15		1.5		25		350		10	
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	National Oilwell	12-P-160	4.500	12.000	57	6250	270	.0560	95	16.24			1.09	1600
2	National Oilwell	12-P-160	4.500	12.000	57	6250	270	.0560	95	16.24			1.09	1600

BHA							
DESCRIPTION:	Lateral assembly # 2						
LENGTH	100.12	BHA WT. AIR	270,117	BHA WT. MUD	218,076	HRS. ON JARS	
ROT. WT.	230,000	P.U. WT.	325,000	S.O. WT.	180,000	TORQUE	16,000
TIME MADE UP	18:00	DATE MADE UP	8/19/2018	TIME PULLED	08:00	DATE PULLED	11/24/2018

SURVEY DATA								
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
23,319	90.50	343.52	12,098	11,008.0	-3,716.4		11,618.5	0.1
23,351	90.50	343.47	12,097	11,038.7	-3,725.5		11,650.4	0.2
23,405	90.50	343.47	12,097	11,090.5	-3,740.9		11,704.4	

<b>CONSUMABLES</b>	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:	Clear	WIND SPEED:	8	WIND DIRECTION:	SSE	TEMP:	77

COMMENTS:	
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## DRILLING REPORT

[illegible]

## DRILLING REPORT

[illegible]

## DRILLING REPORT

WELL: <a href="#">UL Maroon 0904-21 1H</a>				CONTRACTOR: <a href="#">Sidewinder</a>					RIG: <a href="#">Sidewinder 221</a>			
RPT DATE: <a href="#">August 28, 2018</a>				SPUD DATE: <a href="#">4/30/18</a>		CASING		OD	WT	GRD	MD	TVD
		API #:	<a href="#">42495341080000</a>	DFS: <a href="#">120</a>		<a href="#">Conductor</a>		<a href="#">20</a>	<a href="#">52</a>		<a href="#">93</a>	<a href="#">93</a>
				REPORT NO: <a href="#">35</a>		<a href="#">Surface</a>		<a href="#">13-3/8</a>	<a href="#">55</a>	<a href="#">J-55</a>	<a href="#">1,052</a>	<a href="#">1,051</a>
FIELD: <a href="#">WC/BS</a>				DOL: <a href="#">126</a>		<a href="#">Intermediate</a>		<a href="#">10-3/4</a>	<a href="#">46</a>	<a href="#">J-55</a>	<a href="#">5,145</a>	<a href="#">5,145</a>
ELEV:	<a href="#">2,833</a>	RKB:	<a href="#">2,858</a>	LAST BOP TEST: <a href="#">8/12/18</a>		<a href="#">Intermediate 2</a>		<a href="#">7-5/8</a>	<a href="#">30</a>	<a href="#">HCL-80</a>	<a href="#">11,369</a>	<a href="#">11,369</a>
MD:	<a href="#">23,405</a>	TVD:	<a href="#">12,097</a>									
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
18:00	13.6	82.0		9	10		3	19	34	35	32	16	41,000				20,000	54.00	7.40	8.00

REDUCED PUMP RATES			
PUMP	SPM	PRESS	DEPTH
#1	20	1,075	23,180
#2	40	1,300	23,180

BIT DATA																									
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM		ROP				
9		6.75		Reed Hycalog		TKC63		E243669		6x9				23.390	23.405	15	1.5	25	350		10				
BIT NO.			INNER			OUTER			DULL			LOC			SEAL			GAUGE			OTHER			RP	

[illegible]

BHA						
DESCRIPTION:	Lateral assembly # 2					
LENGTH	100.12	BHA WT. AIR	270,117	BHA WT. MUD	218,076	HRS. ON JARS
ROT. WT.	230,000	P.U. WT.	325,000	S.O. WT.	180,000	TORQUE
TIME MADE UP	07:30	DATE MADE UP	8/25/2018	TIME PULLED	18:00	DATE PULLED
						8/27/2018

[illegible]

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

[illegible]

TOTAL HRS		240								
WEATHER										
GEN. CONDITIONS:		Cloudy	WIND SPEED:		7	WIND DIRECTION:		SSE	TEMP:	75
COMMENTS:										

# DRILLING REPORT

WELL:	UL Maroon 0904-21 1H				CONTRACTOR:	Sidewinder					RIG:	Sidewinder 221		
RPT DATE:	August 29, 2018				SPUD DATE:	4/30/18		CASING	OD	WT	GRD	MD	TVD	
		API #:	42495341080000		DFS:	121		Conductor	20	52		93	93	
					REPORT NO:	36		Surface	13-3/8	55	J-55	1,052	1,051	
FIELD:	WC/BS				DOL:	127		Intermediate	10-3/4	46	J-55	5,145	5,145	
ELEV:	2,833		RKB:	2,858		LAST BOP TEST:	8/12/18		Intermediate 2	7-5/8	30	HCL-80	11,369	11,369
MD:	23,405		TVD:	12,097										
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
18:00	13.6	81.0		8	10		3	16	25	27	32	13	48,000					20,000	54.00	2.80	8.00

REDUCED PUMP RATES			
PUMP	SPM	PRESS	DEPTH
#1	20	1,075	23,180
#2	40	1,300	23,180

BIT DATA																				
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
9		6.75		Reed Hycalog		TKC63		E243669		6x9				23,390	23,405	15	1.5	25	350	10
BIT NO.			INNER		OUTER		DULL		LOC		SEAL			GAUGE		OTHER		RP		

[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]

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

<b>FROM</b>	<b>TO</b>	<b>HRS</b>	<b>CODE</b>		<b>Start MD</b>	<b>End MD</b>
06:00	13:00	7.0	Trips	TOH to run liner, Lay Down Reamer Assembly	23405	23405
13:00	13:30	0.5	Other	Remove wear bushing and clean floor for casing run	23405	23405
13:30	14:00	0.5	Lubricate Rig	Rig Service	23405	23405
14:00	15:00	1.0	Run Csg & Cement	Rig up Southern Connection Casing Crew & Torque Turn	23405	23405
15:00	06:00	15.0	Run Csg & Cement	PJSM With Southern Connection, NOV & Allamon M/U Shoe Track, Burst Subs, Test Float Run 23 PPF P110 GeoConn Casing to 11,400'	23405	23405
<b>TOTAL HRS</b>		<b>24.0</b>				

WEATHER							
GEN. CONDITIONS:	Cloudy	WIND SPEED:	14	WIND DIRECTION:	SE	TEMP:	77



[illegible]



# DRILLING REPORT

WELL:		UL Maroon 0904-21 1H			CONTRACTOR:		Sidewinder				RIG:		Sidewinder 221					
RPT DATE:		September 1, 2018			SPUD DATE:		4/30/18		CASING		OD	WT	GRD	MD	TVD			
		API #:		42495341080000		DFS:		124		Conductor		20	52		93	93		
						REPORT NO:		39		Surface		13-3/8	55	J-55	1,052	1,051		
FIELD:		WC/BS			DOL:		130		Intermediate		10-3/4	46	J-55	5,145	5,145			
ELEV:		2,833		RKB:		2,858		LAST BOP TEST:		8/12/18		Intermediate 2		7-5/8	30	HCL-80	11,369	11,369
MD:		23,405		TVD:		12,097				Production		5-1/2	23	P-110	23,388	12,097		
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	
18:00	13.6	80.0		9	10		2	17	29	30	34	15	43,000				17,600	54.00	6.50	10.00	
												REDUCED PUMP RATES									
												PUMP		SPM		PRESS		DEPTH			
												#1		20		1,075		23,180			
												#2		40		1,300		23,180			

BIT DATA																				
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
9		6.75		Reed Hycalog		TKC63		E243669		6x9				23,390	23,405	15	1.5	25	350	10
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		National Oilwell		12-P-160		4.500		12.000													
2		National Oilwell		12-P-160		4.500		12.000													

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									

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	09:30	3.5	Trips	Trip in hole to drill out cement, rabbiting every stand, filling every 5 stand to insure no trash accumulates in string, pump pipe capacity every 5 stand	23405	23405
09:30	10:00	0.5	Lubricate Rig	Rig service check top drive	23405	23405
10:00	14:00	4.0	Trips	TIH to 6,320' started to take weight, ream stands down to 7031', 375 GPM, 350 ft/hr, 1500 TRQ, 8-10 k WT on bit	23405	23405
14:00	23:00	9.0	Repair Rig	Hydraulic pump failed on top drive.	23405	23405
23:00	06:00	7.0	Trips	Ream stands down F/ 7031' to 8500' 375 GPM, 350 ft/hr, 2300 TRQ, 8-10 k WT on bit	23405	23405
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## DRILLING REPORT

WELL: <a href="#">UL Maroon 0904-21 1H</a>				CONTRACTOR: <a href="#">Sidewinder</a>					RIG: <a href="#">Sidewinder 221</a>				
RPT DATE: <a href="#">September 2, 2018</a>		API #: <a href="#">42495341080000</a>		SPUD DATE: <a href="#">4/30/18</a>		CASING		OD	WT	GRD	MD	TVD	
				DFS: <a href="#">125</a>		<a href="#">Conductor</a>		<a href="#">20</a>	<a href="#">52</a>		<a href="#">93</a>	<a href="#">93</a>	
				REPORT NO: <a href="#">40</a>		<a href="#">Surface</a>		<a href="#">13-3/8</a>	<a href="#">55</a>	<a href="#">J-55</a>	<a href="#">1,052</a>	<a href="#">1,051</a>	
FIELD: <a href="#">WC/BS</a>				DOL: <a href="#">131</a>		<a href="#">Intermediate</a>		<a href="#">10-3/4</a>	<a href="#">46</a>	<a href="#">J-55</a>	<a href="#">5,145</a>	<a href="#">5,145</a>	
ELEV: <a href="#">2,833</a>		RKB: <a href="#">2,858</a>			LAST BOP TEST: <a href="#">8/12/18</a>		<a href="#">Intermediate 2</a>		<a href="#">7-5/8</a>	<a href="#">30</a>	<a href="#">HCL-80</a>	<a href="#">11,369</a>	<a href="#">11,369</a>
MD: <a href="#">23,405</a>		TVD: <a href="#">12,097</a>					<a href="#">Production</a>		<a href="#">5-1/2</a>	<a href="#">23</a>	<a href="#">P-110</a>	<a href="#">23,388</a>	<a href="#">12,097</a>
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
18:00	12.5	89.0		9	10		2	18	31	33	34	15	41,000				18,000	55.00	7.70	10.00
												REDUCED PUMP RATES								
												PUMP		SPM	PRESS	DEPTH				
												#1		20	1,075	23,180				
												#2		40	1,300	23,180				

BIT DATA																					
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM		ROP
9		6.75		Reed Hycalog		TKC63		E243669		6x9				23.390	23.405	15	1.5	25	350		10
BIT NO.			INNER			OUTER		DULL			LOC		SEAL		GAUGE			OTHER		RP	

[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]

<b>CONSUMABLES</b>	DIESEL FUEL (gal) Rcvd/Used/On Hand:	DRILL H2O (gal) Rcvd/Used/On Hand:
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[illegible]

TOTAL HRS	24.0						
WEATHER							
GEN. CONDITIONS:	Thunderstorm, lightning and heavy rain	WIND SPEED:	30	WIND DIRECTION:	SW	TEMP:	70
COMMENTS:							

## DRILLING REPORT

[illegible]

## DRILLING REPORT

WELL: UL Maroon 0904-21 1H				CONTRACTOR: Sidewinder					RIG: Sidewinder 221			
RPT DATE: September 4, 2018				SPUD DATE: 4/30/18		CASING		OD	WT	GRD	MD	TVD
		API #: 42495341080000		DFS: 127		Conductor		20	52		93	93
				REPORT NO: 42		Surface		13-3/8	55	J-55	1,052	1,051
FIELD: WC/BS				DOL: 133		Intermediate		10-3/4	46	J-55	5,145	5,145
ELEV: 2,833		RKB: 2,858		LAST BOP TEST: 9/2/18		Intermediate 2		7-5/8	30	HCL-80	11,369	11,369
MD: 23,405		TVD: 12,097				Production		5-1/2	23	P-110	23,388	12,097
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
18:00	12.7	110.0		9	10		3	19	30	33	37	15	43,000				18,000	52.00	8.40	11.00

## REDUCED PUMP RATES

PUMP	SPM	PRESS	DEPTH
#1	20	1,075	23,180
#2	40	1,300	23,180

## BIT DATA

END DATA																																	
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN		OUT		FEET		HRS		WOB		RPM		ROP							
9		6.75		Reed Hycalog		TKC63		E243669		6x9				23,390		23,405		15		1.5		25		350		10							
BIT NO.				INNER				OUTER				DULL				LOC				SEAL				GAUGE				OTHER				RP	

## HYDRAULICS DATA

[illegible]

## BHA

DESCRIPTION:	4.5" Mill tooth / Polishing assembly						
LENGTH	214.00	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.		P.U. WT.		S.O. WT.		TORQUE	
TIME MADE UP	11:00	DATE MADE UP	9/2/2018	TIME PULLED	08:00	DATE PULLED	9/3/2018

## SURVEY DATA

[illegible]

## CONSUMABLES

### OPERATIONS TIME LOG

<b>FROM</b>	<b>TO</b>	<b>HRS</b>	<b>CODE</b>		<b>Start MD</b>	<b>End MD</b>
06:00	12:00	6.0	Trips	Trip out of hole and lay down 2-7/8" tubing and bit	23405	23405
12:00	18:00	6.0	Wire Line Logs	PJSM with Renegade wire line, rig up and run gauge log with gamma, TOH and PU bridge plug, run in to top of liner and set bridge plug 100' below the top setting @ 11,217', pickup and set back on plug confirm plug is set A 16:00 with wire line truck, Rig down wire line	23405	23405
18:00	00:00	6.0	Trips	Make up Bit, 7-5/8" casing scraper, bit sub with float and trip in to top of liner	23405	23405
00:00	01:30	1.5	Cond Mud & Circ	Displace hole with treated fresh water	23405	23405
01:30	06:00	4.5	Trips	Lay down 4.5" drill pipe, HWDP and casing scraper, filling hole with treated water	23405	23405
<b>TOTAL HRS</b>		<b>24.0</b>				

## WEATHER

GEN. CONDITIONS:	Clear skies, sunny and hot	WIND SPEED:	5	WIND DIRECTION:	SE	TEMP:	90
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**COMMENTS:**

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## DRILLING REPORT

WELL: <a href="#">UL Maroon 0904-21 1H</a>				CONTRACTOR: <a href="#">Sidewinder</a>					RIG: <a href="#">Sidewinder 221</a>			
RPT DATE: <a href="#">September 5, 2018</a>				SPUD DATE: <a href="#">4/30/18</a>		CASING		OD	WT	GRD	MD	TVD
		API #:	<a href="#">42495341080000</a>	DFS: <a href="#">128</a>		<a href="#">Conductor</a>		<a href="#">20</a>	<a href="#">52</a>		<a href="#">93</a>	<a href="#">93</a>
				REPORT NO: <a href="#">43</a>		<a href="#">Surface</a>		<a href="#">13-3/8</a>	<a href="#">55</a>	<a href="#">J-55</a>	<a href="#">1,052</a>	<a href="#">1,051</a>
FIELD: <a href="#">WC/BS</a>				DOL: <a href="#">134</a>		<a href="#">Intermediate</a>		<a href="#">10-3/4</a>	<a href="#">46</a>	<a href="#">J-55</a>	<a href="#">5,145</a>	<a href="#">5,145</a>
ELEV: <a href="#">2,833</a>		RKB:	<a href="#">2,858</a>	LAST BOP TEST: <a href="#">9/2/18</a>		<a href="#">Intermediate 2</a>		<a href="#">7-5/8</a>	<a href="#">30</a>	<a href="#">HCL-80</a>	<a href="#">11,369</a>	<a href="#">11,369</a>
MD: <a href="#">23,405</a>		TVD:	<a href="#">12,097</a>			<a href="#">Production</a>		<a href="#">5-1/2</a>	<a href="#">23</a>	<a href="#">P-110</a>	<a href="#">23,388</a>	<a href="#">12,097</a>
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
18:00	12.7	110.0					3	19	30	33	37	15	43,000					18,000	52.00	8.40	11.00
												REDUCED PUMP RATES									
												PUMP		SPM		PRESS		DEPTH			
												#1		20		1,075		23,180			
												#2		40		1,300		23,180			

BIT DATA																				
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
9		6.75		Reed Hycalog		TKC63		E243669		6x9				23,390	23,405	15	1.5	25	350	10
BIT NO.			INNER		OUTER		DULL		LOC		SEAL		GAUGE		OTHER		RP			

[illegible]

BHA						
DESCRIPTION:	4.5" Mill tooth / Polishing assembly					
LENGTH	214.00	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS
ROT. WT.		P.U. WT.		S.O. WT.		TORQUE
TIME MADE UP	11:00	DATE MADE UP	9/2/2018	TIME PULLED		DATE PULLED

[illegible]

<b>CONSUMABLES</b>	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									
WEATHER											
GEN. CONDITIONS:		Sunny hot and dry		WIND SPEED:		5		WIND DIRECTION: SE		TEMP: 90	
COMMENTS:											