

AFE5381

Well ID: 18553

DFS: 1 EST DAYS:

No Cement Job Today

Page 1 of 3

UL Bighorn 21-30-19 I 5209H

Lat: 31° 41' 40.992 N Long: 103° 15' 28.943 W

AFE5381

Well ID: 18553

Report Date: 04/23/2019

Daily Drilling Partner Report

DFS: 2 EST DAYS:

OPERATION DETAILS											Total Hours	24.00				
HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION											
02:00 - 04:00	2.00	SFCCS	CIRCULATING	HOLE CONDITIONING	PUMPED 30 BBLS SWEEP, OBSERVED 50% INCREASE IN CUTTINGS - PUMPED 2ND SWEEP WITH NUT PLUG FOR CALIPER - OBSERVED 25% INCREASE IN CUTTINGS - SHAKERS CLEAN. CALCULATED 43% WASHOUT.											
04:00 - 05:00	1.00	SFCCS	CIRCULATING	HOLE CONDITIONING	FLOW CHECK WELL - STATIC - SPOTTED HI-VIS PILL ON BTM - PUMPED SLUG.											
05:00 - 06:00	1.00	SFCCS	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	POOH F/ 5044' - 3480' MONITOR DISP. WITH TRIP TANK.											
COMMENT: CREWS FULL																
SURVEY DATA											LAST SURVEY@4,979.0 N/S			-72.0	E/W	72.5
MD (usft)	INCL (°)	AZI (°)	TVD (usft)	VS (usft)	DLS (°/100ft)	N/S	E/W	MD (usft)	INCL (°)	AZI (°)	TVD (usft)	VS (usft)	DLS (°/100ft)	N/S	E/W	
3,999.0	1.90	149.25	3,997.4	-63.0	0.44	-53.1	40.6	4,536.0	1.65	129.51	4,534.1	-77.9	0.22	-67.1	46.0	
4,089.0	1.90	166.90	4,087.3	-65.9	0.65	-55.8	41.7	4,625.0	1.82	129.51	4,623.1	-80.2	0.19	-68.8	48.1	
4,178.0	1.76	178.73	4,176.3	-68.7	0.45	-58.6	42.1	4,715.0	2.85	105.74	4,713.0	-82.7	1.55	-70.3	51.4	
4,267.0	1.70	186.05	4,265.2	-71.2	0.26	-61.3	42.0	4,804.0	4.59	94.14	4,801.8	-85.2	2.12	-71.2	57.1	
4,357.0	1.34	154.90	4,355.2	-73.5	0.99	-63.6	42.3	4,894.0	5.38	92.42	4,891.5	-88.0	0.89	-71.6	64.9	
4,446.0	1.83	126.90	4,444.2	-75.7	1.01	-65.4	43.9	4,979.0	4.90	93.08	4,976.1	-90.7	0.57	-72.0	72.5	
BHA NO.	1	BHA							MUD ADDITIVES							
ITEM		ITEM DESCRIPTION				JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM		USED	INVENTORY			
Heavy Weight Drill Pipe		21-4.75"				21	4.750	2.750	668.38	AES MUL X			650 GAL			
Cross Over		XO					6.500	2.875	3.61	AES VIS III			0 SK			
Spiral Drill Collar		9-6.5"				9	6.500	2.875	277.68	AES VIS LS			0 SK			
Cross Over		XO					8.000	3.000	3.95	AES WA II			550 GAL			
Spiral Drill Collar		1-8"				1	8.000	3.000	31.06	AES WASH			375 GAL			
Cross Over		XO					7.870	2.920	2.87	AGRI PLUG			60 SXS			
Shock Sub		SHOCK					8.000	2.875	14.57	BARITE			874 BULK			
Non-Mag Drill Collar		NMDC					8.160	3.750	31.06	BARITE			240 sacks			
Muleshoe Sub		PULSER					8.000	3.750	6.29	BLUE MAX			30 PAIL			
MWD Tool		TOOL CARRIER					8.000	3.750	31.09	CACL2			239 SK			
Integral Blade Stabilizer							8.000	2.875	7.19	CASUSIC SODA			0 SK			
Steerable Motor		SDI TITAN2 922 / 7/8 5.7 @ 1.5 FIXED/ .12 NBS 11.75" FBH.					9.625	1.000	32.41	CEDAR FIBER			60 SXS			
Bit Sub		BIT SUB					9.625		1.58	DEFOAMER			21 PAIL			
Polycrystalline Diamond Bit		ULTERRA PDC 12.25" SPL616 S/N46060 5X11, 4X12					9.875	1.000	1.75	ENERLOCK			50 sacks			
									ENERPAC LV			72 sacks				
									ENERZAN			152 sacks				
									FLR			0 SK				
									GXM			0 SXS				
									GEL		102.00 BULK	176 BULK				
									LIME		16.00 sacks	348 sacks				
									MF-55			24 pail-5 gal				
									MULTI FIBER			100 SXS				
									NUT PLUG			51 SK				
									OIL SORB		23.00 SXS	50 SXS				
									PERMASEAL			67 sacks				
									SALT GEL			275 SK				
									SILVERSEAL			86 sacks				
									SODA ASH			69 sacks				
									WGS 25WC			0 GAL				
									WHITE STARCH			88 sacks				
									ENERPLUS			22 PAIL				
									SAPP STICK			93 EA				
									SOAP STICK			93 EA				
									GEL BULK		0.00 SXS	0 SXS				
									DESCO			0 SXS				
									KCL 50			0 SXS				
									MAGNESIUM OXIDE 55			0 SXS				
									MUD ENGINEER		1.00 each	0 each				
									TRUCKING							
									TRUCKING BULK							
									SHRINKWRAP			0 EA.				
									LIQ MUD HANDLINE			0 EA				
									MUD RENTAL			0 EA				
									PALLET			0 EA				
									ENG TRAVEL DAY			0 EA				
									RESTOCKING			0 EA				
									WGS			0 GAL				
									MISC							
DRILLING PAPER			0 SXS													
ENERMOD			17 PAIL													
LUBRA-GLIDE COARSE			0 SXS													
BULK GEL RENTAL																
BLOWER USAGE																
BULK TANK RIG UP																

UL Bighorn 21-30-19 I 5209H

Lat: 31° 41' 40.992 N Long: 103° 15' 28.943 W

AFE5381

Well ID: 18553

Report Date: 04/23/2019

Daily Drilling Partner Report

DFS: 2 EST DAYS:

BHA NO.		1		BHA					MUD ADDITIVES						
ITEM		ITEM DESCRIPTION			JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM		USED	INVENTORY			
									FORK LIFT						
									WGS 546						
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)						TOTAL LENGTH (ft)							
15,000.0		4,000.0			1,113.49										
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)			STRING WEIGHT DWN (kip)										
180.0		190.0			160.0										
Density (ppg)		10.00		Bgas (gas u)			TGas (gas u)	/		MUD CHECK		MUD LOST (bbl)			
FV (s/qt)	WL HTHP (cc/30min)	PV/YP (cp)/(lbf/100ft²)	GELS (lbf/100ft²)	ES	FC(32nd") /Cl(ppm)	Salt(%)	CORR(%)	CA(ppm)	OIL/WAT	ECD(ppg)	LGS/HGS (%)	ASG (sg)	LIME (lbm/bbl)		
29.00	--	1.00/1.000	1.000/1.000	--	1.0/--	--	2.60	--	--/--	10.85	0.50/0.50	--	--		
LAST CEMENT JOB															
No Cement Job Today															

Printed: 4/23/2019 9:56:16AM

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Lat: 31° 41' 40.992 N Long: 103° 15' 28.943 W

Well ID: 18553

Report Date: 04/24/2019

Daily Drilling Partner Report

DFS: 3 EST DAYS: 30

RPT NO. 4	OPERATOR OASIS PETROLEUM PERMIAN LLC	FIELD NAME ORBISON	RIG NAME/NO NABORS X50	TMD 5,044.0 usft	TVD 5,040.9 usft	FOOTAGE --	ROP(Last) --	AVG ROP 0.0 ft/hr
API 4249534304	STATE TEXAS	COUNTY Winkler	LOCATION				SIDETRACK NO OH	
PREVIOUS WELL RIG RELEASE 04/21/2019 02:00	SPUD DATE 04/21/2019 12:00	DATE TD REACHED	RIG RELEASE	REPORT DESCRIPTION CMT CSG				
CURRENT STATUS SKID RIG TO BIGHORN 4210H	TARGET FORMATION BONE SPRINGS 3 SAND			KB ELEV 2,806.0 usft				
24 HR FORECAST RU AFTER SKID, NU DIVERTER, PU BIT AND RIH W/ BHA TO 105', DRLG SURFACE HO	SAFETY MEETING TOPIC ND DIVERTER			ACC LST 24 HRS? No				
24 HR OPERATIONS SUMMARY POOH & RACKED BACK BHA - LAY DOWN BIT & BIT SUB - RIG UP AND RAN CSG TO 5044' - CMT 9 5/8" CSG - ND DIVERTER - CUT CSG - RIG DOWN BACKYARD - RIGGED DOWN PRAGMA - HELD PRE SKID SAFETY MEETING & WALK AROUND								
RIG DIRECTIONS See Remarks for Driving Directions								
LAST CASING 20.000 in @ 105.0 usft	NEXT CASING 6.625 in @ 5,045.0 usft		LAST BOP TEST	AUTH TMD ?1,819.0 usft		SUPERVISOR / ENGINEER Chris Clemens / TY TSCHACHER		

BITS/BIT OPERATIONS

BIT NO	SIZE (in)	MANUF	MODEL	SERIAL #	JETS / TFA (32nd")	WOB (Min/Max) (kip)	RPM (Min/Max) (rpm)	DEPTH IN/OUT (usft)	FTG (Last/Cum) (usft)	HRS (Last/Cum) (hr)	ROP (Last/Cum) (ft/hr)	I-O-B-G-R
1	12.250	ULTRERRA DRILLING TECHNOLOGIES LP	SPL 616	46595	4 / 11, 5 / 12 / 0.923	--/--	--/--	105.0 --	-- --	-- --	-- --	-- --

OPERATION DETAILS

HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION
06:00 - 08:00	2.00	SFCCS	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	POOH TO 441'. SLM PIPE - MONITOR PIPE DISPL WITH TRIP TANK.
08:00 - 08:30	0.50	SFCCS	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	CHANGE OUT ELEVATORS - POOH & RACK BACK 6 1/2" DC'S.
08:30 - 10:30	2.00	SFCCS	TRIP IN / TRIP OUT	PU / LD TOOLS / BHA	LAID DOWN 8" DC - REMOVE MWD - DRAIN MTR - BREAK BIT & BIT SUB - RACK BACK BHA.
10:30 - 11:00	0.50	SFCCS	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	CLEAR & CLEAN RIG FLOOR PRIOR TO RIGGING UP CSG EQUIP.
11:00 - 12:00	1.00	SFCCS	RUN CSG AND CEMENT	RIG UP / RIG DOWN	RIG UP CASING HANDLING EQUIPMENT.
12:00 - 18:30	6.50	SFCCS	RUN CSG AND CEMENT	RUN CASING	PICKED UP SHOE, 1 JT. CSG AND FLOAT COLLAR - CONFIRMED FLOATS OKAY - RAN 119 JTS 9 5/8" 40 PPF L90 HC BTC CASING - SHOE SET AT 5044' - FLOAT COLLAR AT 4999' - DVT AT 668.69' - 41 BOW TYPE CENTRALIZERS EVERY 3RD JTS FROM SHOE TRACK TO SURF - 2 MID JT IN SHOE TRACK.
18:30 - 19:00	0.50	SFCCS	RUN CSG AND CEMENT	RIG UP / RIG DOWN	RIGGED DOWN CASING EQUIPMENT, LEFT ELEVATORS & BALES
19:00 - 19:30	0.50	SFCCS	RUN CSG AND CEMENT	RIG UP / RIG DOWN	RIGGED UP HALLIBURTON CMT HEAD - TIED IN RIG 2" LINE - CONTINUE RIGGING UP HALLIBURTON IRON WHILE CIRC.
19:30 - 20:00	0.50	SFCCS	CIRCULATING	HOLE CONDITIONING	CIRCULATED 1 CSG VOLUME 383 BBLS AT 8 BPM 350 PSI. HELD PRE-JOB SAFETY MEETING WITH HALLIBURTON & RIG CREWS WHILE CIRC.
20:00 - 20:30	0.50	SFCCS	RUN CSG AND CEMENT	RIG UP / RIG DOWN	RIGGED DOWN RIG LINES & RIGGED UP HALLIBURTON IRON TO CMT HEAD.
20:30 - 01:30	5.00	SFCCS	RUN CSG AND CEMENT	CEMENTING	TESTED CMT LINES TO 4500 PSI PUMPED 40 BBLS FW SPACER W/ RED DYE MIXED & PUMP LEAD CMT 2370 SXS (803 BBLS) ECONOCEM AT 12.9 PPG 1.902 FT³/SXS W/ 0.70% HR-800, 0.125 LBM POLY-E-FLAKE, 3 LBM KOL-SEAL AT 8-5 BPM 200 PSI FOLLOWED BY TAIL CMT 390 SXS (116 BBLS) HALCEM C AT 13.7 PPG 1.666 FT³/SXS W/ 4% BENTONITE, 0.20% HR-800 AT 6 BPM 200 PSI DROP PLUG - PUMPED 379 BBLS FW DISPLACEMENT AT 8 BPM AT 270 - 1316 PSI, SLOWED TO 4 BPM AT 1500 PSI. BUMPED PLUG WITH 2300 PSI, HELD OKAY. BLED PRESSURE AND TESTED FLOATS, OKAY CAUGHT CMT AFTER 30 BBLS PUMPED CIRCULATE 200 BBLS (590 SXS) CMT TO SURFACE. DROPPED DVT CANCELLATION PLUG - SHIFTED TOOL WITH 1400 PSI.
01:30 - 02:00	0.50	SFCCS	RUN CSG AND CEMENT	RIG UP / RIG DOWN	RIGGED DOWN CMT HEAD & SURFACE IRON - SET 9 5/8" CSG ON BOTTOM - SLACKED OFF ELEVATORS.
02:00 - 04:30	2.50	SFCCS	NU BOP	NIPPLE DOWN	NIPPLE DOWN DIVERTER AND FLOWLINE - PICKED UP AND CUT 9 5/8" CSG - RIGGED DOWN PVC LINES TO RESERVE PITS - RIGGED DOWN FLOW LINE - RIGGED DOWN VIBRATOR HOSE - RIGGED DOWN TRANSFER LINE - PULLED MOUSEHOLE - RIGGED DOWN PRAGMA AND WALKED.
04:30 - 05:00	0.50	SFCCS	RIG UP / DOWN / MOB	SAFETY	HELD PRE-SKID SAFETY MEETING & LAST WALK AROUND BEFORE STARTING THE SKID *** RELEASE RIG FROM BIGHORN 5209h ***

COMMENT: CREWS FULL

UL Bighorn 21-30-19 I 5209H

Lat: 31° 41' 40.992 N Long: 103° 15' 28.943 W

AFE5381

Well ID: 18553

Report Date: 04/24/2019

Daily Drilling Partner Report

DFS: 3 EST DAYS: 30

SURVEY DATA										LAST SURVEY@4,979.0 N/S				-72.0	E/W	72.5	
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BHA NO.	1	BHA								MUD ADDITIVES							
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Cross Over		XO					6.500	2.875	3.61	AES VIS III			0 SK				
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MWD Tool		TOOL CARRIER					8.000	3.750	31.09	CACL2			239 SK				
Integral Blade Stabilizer							8.000	2.875	7.19	CASUSIC SODA			0 SK				
Steerable Motor		SDI TITAN2 922 / 7/8 5.7 @ 1.5 FIXED/ .12 NBS 11.75" FBH.					9.625	1.000	32.41	CEDAR FIBER			60 SXS				
Bit Sub		BIT SUB					9.625		1.58	DEFOAMER			21 PAIL				
Polycrystalline Diamond Bit		ULTERRA PDC 12.25" SPL616 S/N46060 5X11, 4X12					9.875	1.000	1.75	ENERLOCK			50 sacks				
										ENERPAC LV			72 sacks				
										ENERZAN			152 sacks				
										FLR			0 SK				
										GXM			0 SXS				
										GEL		57.00 BULK	420 BULK				
										LIME			348 sacks				
										MF-55			24 pail-5 gal				
										MULTI FIBER			100 SXS				
										NUT PLUG			51 SK				
										OIL SORB			50 SXS				
										PERMASEAL			67 sacks				
										SALT GEL			275 SK				
										SILVERSEAL			86 sacks				
										SODA ASH			69 sacks				
										WGS 25WC			0 GAL				
										WHITE STARCH			88 sacks				
										ENERPLUS			22 PAIL				
										SAPP STICK			93 EA				
										SOAP STICK			93 EA				
										GEL BULK			0 SXS				
										DESCO			0 SXS				
										KCL 50			0 SXS				
										MAGNESIUM OXIDE 55			0 SXS				
										MUD ENGINEER		1.00 each	0 each				
										TRUCKING							
										TRUCKING BULK							
										SHRINKWRAP			0 EA.				
										LIQ MUD HANDLINE			0 EA				
										MUD RENTAL			0 EA				
										PALLET			0 EA				
										ENG TRAVEL DAY		1.00 EA	0 EA				
										RESTOCKING			0 EA				
										WGS			0 GAL				
										MISC							
										DRILLING PAPER			0 SXS				
										ENERMOD			17 PAIL				
										LUBRA-GLIDE COARSE			0 SXS				
										BULK GEL RENTAL							
										BLOWER USAGE							
										BULK TANK RIG UP							
										FORK LIFT							
										WGS 546							
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)				TOTAL LENGTH (ft)											
						1,113.49											
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)													
Density (ppg)		10.00		Bgas (gas u)		TGas (gas u)		/		MUD CHECK		MUD LOST (bbl)					
FV (s/qt)	WL HTHP (cc/30min)	PV/YP (cp)/(lbf/100ft²)		GELS (lbf/100ft²)		ES	FC(32nd") /Cl(ppm)		Salt(%)	CORR(%)		CA(ppm)	OIL/WAT	ECD(ppg)	LGS/HGS (%)	ASG (sg)	LIME (lbm/bbl)
29.00	--	1.00/1.000		1.000/1.000		--	1.0/--		--	2.60		--	--/--	10.85	0.50/0.50	--	--

<input type="checkbox"/>	<div>UL Bighorn 21-30-19 I 5209H</div> <div>Lat: 31° 41' 40.992 N Long: 103° 15' 28.943 W</div>	<div>AFE5381</div> <div>Well ID: 18553</div>
Report Date: 04/24/2019	Daily Drilling Partner Report	DFS: 3 EST DAYS: 30
LAST CEMENT JOB		
No Cement Job Today		