

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 09/29/2018

Daily Drilling Partner Report

DFS: 30 EST DAYS:

BHA NO.		BHA					MUD ADDITIVES		
ITEM	ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY	
Hang-Off Sub	UBHO		4.750	2.375	3.00	BULK FW GEL		0 TON	
MWD Tool	SLIMPULSE		5.000	2.750	30.96	SODA ASH		0 SX	
Non-Mag Drill Collar			5.000	2.750	30.87	SAPP		0 EACH	
Cross Over			4.750	2.813	5.00	PAPER		0 SX	
Drill Pipe		18	4.750	4.076	805.40	SOAP STICKS		0 EACH	
Heavy Weight Drill Pipe		9	4.750	2.750	283.50	PWLCM		0 SX	
Drill Pipe			4.750	4.076	10,538.45	MF55		0 PL	
						LIME	30.00 SX	300 SX	
						FW GEL		0 SX	
						FLUID SEAL		0 SX	
						BARITE		370 SX	
						IRON WOOD FINE		200 SX	
						IRON WOOD MEDIUM		0 SX	
						TRUCKING	1.00		
						TAX	1.00		
						CAL CARB FINE		0 SX	
						CAL CARB MED		180 SX	
						CAUSTIC		0 SX	
						XANTHAM GUM		0 SX	
						WHITE STARCH		0 SX	
						MBGA25		0 PL	
						PIPE FREE		0 DRUM	
						WC DEFOAMER		0 PL	
						EMULSIFIER		0 DRUM	
						BCI WETTING AGENT	1.00 DRUM	14 DRUM	
						SULPH ASPHALT	32.00 SX	95 SX	
						DRILL SURE	21.00 SX	179 SX	
						CALCIUM CHLORIDE	83.00 SX	294 SX	
						BENTONITE 910	15.00 SX	135 SX	
						BCI PRIMARY	3.00 DRUM	10 DRUM	
						OIL ABSORB		55 SX	
						BCI SECONDARY		9 DRUM	
						COPOLY BEADS		38 SX	
						PLASTIC WRAP	7.00 ROLL	0 ROLL	
						PALLET	9.00		
						BCI OBM RHEO MOD		1 DRUM	
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)		TOTAL LENGTH (ft)					
8,000.0		4,500.0		1,191.56					
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)					
235.0		260.0		220.0					
Density (ppg)	13.30	Bgas (gas u)	20	TGas (gas u)	80	MUD CHECK		MUD LOST (bbl)	
FV (s/qt)	WL HTHP (cc/30min)	PV/YP (cp)/(lb/100ft²)	GELS (lb/100ft²)	ES	FC(32nd") /Cl(ppm)	Salt(%)	CORR(%)	CA(ppm)	
89.00	15.0	44.00/19.000	22.000/35.000	553.0	--/70,000	2.0100	23.90	2000	
								73.00/27.00	
								14.31	
								8.89/16.58	
								--	
								2.59	
LAST CEMENT JOB									
Finished cementing the		2ND INTERMED 5104H		from	0.0'	to	0.0'	on 07/09/2018 13:00	
FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED	FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	
NOTES: 2ND INTERMEDIANT									

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 09/30/2018

Daily Drilling Partner Report

DFS: 31 EST DAYS:

BHA NO.		BHA					MUD ADDITIVES		
ITEM	ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY	
Float Sub	FS	1	4.750	2.500	3.52	PWLCM		0 SX	
Cross Over	XO	1	5.563	2.500	3.68	MF55		0 PL	
						LIME	10.00 SX	290 SX	
						FW GEL		0 SX	
						FLUID SEAL		0 SX	
						BARITE		370 SX	
						IRON WOOD FINE		200 SX	
						IRON WOOD MEDIUM		0 SX	
						TRUCKING			
						TAX	1.00		
						CAL CARB FINE		0 SX	
						CAL CARB MED		180 SX	
						CAUSTIC		0 SX	
						XANTHAM GUM		0 SX	
						WHITE STARCH		0 SX	
						MBGA25		0 PL	
						PIPE FREE		0 DRUM	
						WC DEFOAMER		0 PL	
						EMULSIFIER		0 DRUM	
						BCI WETTING AGENT	2.00 DRUM	12 DRUM	
						SULPH ASPHALT	5.00 SX	90 SX	
						DRILL SURE	4.00 SX	175 SX	
						CALCIUM CHLORIDE	4.00 SX	290 SX	
						BENTONITE 910		135 SX	
						BCI PRIMARY	1.00 DRUM	9 DRUM	
						OIL ABSORB		55 SX	
						BCI SECONDARY		9 DRUM	
						COPOLY BEADS		38 SX	
						PLASTIC WRAP		0 ROLL	
						PALLET			
						BCI OBM RHEO MOD		1 DRUM	
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)		TOTAL LENGTH (ft)					
				93.49					
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)					
Density (ppg)	13.20	Bgas (gas u)	55	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)	
73.00	12.0	39.00/10.000	12.000/28.000	642.0	--/70,000	1.7100	22.20	2000	
								75.00/25.00	
								13.69	
								3.40/19.14	
								--	
								2.46	
LAST CEMENT JOB									
Finished cementing the 2ND INTERMED 5104H from 0.0' to 0.0' on 07/09/2018 13:00									
FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED	FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	
NOTES: 2ND INTERMEDIANT									

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/01/2018

Daily Drilling Partner Report

DFS: 32 EST DAYS:

RPT NO.	OPERATOR	FIELD NAME	RIG NAME/NO	TMD	TVD	FOOTAGE	ROP(Last)	AVG ROP
33	OASIS PETROLEUM PERMIAN	PHANTOM WOLFCAMP	NABORS X50	12,865.0 usft	11,571.0 usft	705.0 usft	66.0 ft/hr	40.3 ft/hr
API	STATE	COUNTY	LOCATION	SIDETRACK NO				
42495341130000	TEXAS	WINKLER	UL 20 Sugarloaf 20-37-48 5104H	00				
PREVIOUS WELL RIG RELEASE	SPUD DATE	DATE TO REACHED	RIG RELEASE	REPORT DESCRIPTION				
	06/13/2018 16:30		7/10/2018 3:00:00AM	DRILL CURVE 4				
CURRENT STATUS	TARGET FORMATION			KB ELEV				
ROTARY DRILLING 6 3/4" HOLE AT 12,865	WOLFCAMP			2,794.0 usft				
24 HR FORECAST	SAFETY MEETING TOPIC			ACC LST 24 HRS?				
ROTARY DRILL 6 3/4" LATERAL SECTION	FORKLIFT SAFETY			No				
24 HR OPERATIONS SUMMARY								
TIH W/ BHA, WASH & REAM TO 12,160'. ROTARY DRILL 6 3/4" HOLE TO 12,346', ADJUST DERRICK BOARD, ROTARY DRILLED TO 12,615', RE-DRESS CLAMPS ON SAVER SUB, ROTARY DRILL 6 3/4" HOLE TO 12,865								
RIG DIRECTIONS								
DIRECTIONS TO LOCTATION : PYOTE,TX TRAVEL WEST ON HWY 2355 FOR 9.3 MILES , TURN RIGHT (NORTH) ON LEASE ROAD BY (2) WHITE OIL TANKS , TRAVEL ROAD FOR 5.0 MILES, TURN RIGHT (EAST) ON LEASE ROAD TRAVEL FOR 1.5 MILES TO RIG								
SURFACE LOCATION: LAT : 31.677								
LAST CASING	NEXT CASING	LAST BOP TEST	AUTH TMD	SUPERVISOR / ENGINEER				
7.625 in @ 11,730.0 usft	5.500 in @ 21,851.0 usft	6/22/2018	14,645.0 usft	Dave Logan / 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
8	6.750	NOV	TKC 63	A247832	3 / 12, 3 / 11 / 0.610	15.0/25.0	90/110	12,160.0 --	705.0 705.0	17.50 17.50	40.3 40.3	--

OPERATION DETAILS

Total Hours 24.00

HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION
06:00 - 06:30	0.50	LATDR	RIG SERVICE	RIG SERVICE	SLIP AND CUT DRILL LINE
06:30 - 08:30	2.00	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	RIH F/ 11,630' TO 12,030' - TIGHT HOLE - POOH TO SHOE @11,728'
08:30 - 09:30	1.00	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	RIH TO 12,030 AND REAM TO 12,160'
09:30 - 15:00	5.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 12,160' TO 12,346' - 186' @ 40'HR AVG. WOB 22K, RPM 100, GPM 238, TQ 8/12K, DIFF 800, SPP 4300
15:00 - 16:00	1.00	LATDR	CIRCULATING	SAFETY	CIRCULATE - HELD PJSM WITH CRANE OPS AND CREW - RE ADJUST DERRICK BOARD 2' LOWER AND SECURE
16:00 - 20:00	4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 12,346' TO 12,513' - 167' @ 42'HR AVG. WOB 17K, RPM 100, GPM 238, TQ 8/10K, DIFF 600, SPP 4100
20:00 - 22:00	2.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 12,513' TO 12,615' - 102' @ 51'HR AVG. WOB 17K, RPM 100, GPM 238, TQ 8/10K, DIFF 550, SPP 4200 LITHOLOGY: 12,600' 85% SHALE, 15% LS
22:00 - 22:30	0.50	LATDR	RIG SERVICE	RIG SERVICE	SAVER SUB BROKE ON TOP CONNECTION, RE-TORQUE AND TIGHTENED CLAMPS,
22:30 - 00:00	1.50	LATDR	RIG REPAIRS	PIPE HANDLING EQUIP	UPPER CONNECTION CONTINUED TO BREAK, REMOVED CLAMPS REDRESSED WITH NEW DIES AND NEW BOLTS, RE-INSTALLED CLAMP AND TIGHTEN. BROKE OUT IN PROPER LOCATION
00:00 - 04:00	4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 12,615' TO 12,796' - 181' @ 45'HR AVG. WOB 17K, RPM 100, GPM 239, TQ 8/10K, DIFF 650, SPP 4250 LITHOLOGY: 12,750' 90% SHALE, 10% LS
04:00 - 06:00	2.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 12,796' TO 12,865' - 69' @ 35'HR AVG. WOB 17K, RPM 95, GPM 239, TQ 7/11K, DIFF 650, SPP 4250 LITHOLOGY: 12,800' 95% SHALE, 5% LS

COMMENT: LOWERED DERRICK BOARD 3'

SURVEY DATA

LAST SURVEY@12,748.0 N/S

-1,287.3

E/W

65.5

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
11,783.0	76.39	162.79	11,563.0	301.4	13.07	-373.0	-237.5	12,301.0	90.38	162.20	11,567.7	816.0	0.44	-860.4	-67.1
11,873.0	87.04	155.02	11,576.0	389.7	14.59	-455.8	-205.5	12,390.0	89.49	163.44	11,567.8	904.9	1.71	-945.4	-40.8
11,962.0	93.34	159.74	11,575.7	477.7	8.84	-537.9	-171.2	12,480.0	89.66	162.84	11,568.5	994.8	0.69	-1,031.5	-14.7
12,051.0	91.17	163.17	11,572.2	566.4	4.56	-622.2	-143.0	12,569.0	89.62	162.58	11,569.1	1,083.7	0.30	-1,116.5	11.7
12,122.0	91.58	162.04	11,570.5	637.3	1.69	-690.0	-121.8	12,659.0	89.62	162.41	11,569.7	1,173.6	0.19	-1,202.4	38.8
12,211.0	90.76	162.32	11,568.6	726.1	0.97	-774.7	-94.5	12,748.0	89.69	162.69	11,570.2	1,262.5	0.32	-1,287.3	65.5

BHA NO.	8	BHA				MUD ADDITIVES		
ITEM	ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY
Polycrystalline Diamond Bit	PDC BIT	1			1.00	320		0 each
Steerable Motor	ORBIT BA RSS	1	5.250	3.640	13.82	BULK BARITE	10.00 TON	63 TON
Non-Mag Integral Blabe Stabilizer	AUTOTRAC STAB	1	5.250	2.750	4.90	MUD ENGINEER	1.00 DAY	0 DAY
Hang-Off Sub	UBHA SUB	1	4.750	2.375	3.00	BULK FW GEL		0 TON
Wet Connect Sub	CLPS SUB	1	5.000	2.750	7.16	SODA ASH		0 SX
Pulser Sub	SLIMPULSE	1	5.000	2.750	29.76	SAPP		0 EACH
Hang-Off Sub	FILTER SUB	1	5.125	2.250	3.31	PAPER		0 SX
Positive Displacement Motor	SCHL_7/8_3.8_0.521 REV/GAL	1	5.000	3.750	23.34	SOAP STICKS		0 EACH
Float Sub	FS	1	4.750	2.500	3.52	PWLCM		0 SX

DFS: 32 EST DAYS:

BHA NO.		8		BHA				MUD ADDITIVES									
ITEM		ITEM DESCRIPTION			JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM		USED	INVENTORY					
Cross Over		XO			1	5.563	2.500	3.68	MF55			0 PL					
									LIME		10.00 SX	280 SX					
									FW GEL			0 SX					
									FLUID SEAL			0 SX					
									BARITE			370 SX					
									IRON WOOD FINE			200 SX					
									IRON WOOD MEDIUM			0 SX					
									TRUCKING		1.00						
									TAX		1.00						
									CAL CARB FINE			0 SX					
									CAL CARB MED			180 SX					
									CAUSTIC			0 SX					
									XANTHAM GUM			0 SX					
									WHITE STARCH			0 SX					
									MBGA25			0 PL					
									PIPE FREE			0 DRUM					
									WC DEFOAMER			0 PL					
									EMULSIFIER			0 DRUM					
									BCI WETTING AGENT		1.00 DRUM	11 DRUM					
									SULPH ASPHALT		10.00 SX	80 SX					
									DRILL SURE		5.00 SX	170 SX					
									CALCIUM CHLORIDE		40.00 SX	250 SX					
									BENTONITE 910			135 SX					
									BCI PRIMARY		1.00 DRUM	8 DRUM					
									OIL ABSORB			55 SX					
									BCI SECONDARY		1.00 DRUM	8 DRUM					
									COPOLY BEADS			38 SX					
									PLASTIC WRAP			0 ROLL					
									PALLET								
									BCI OBM RHEO MOD			1 DRUM					
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)						TOTAL LENGTH (ft)									
8,000.0		4,500.0						93.49									
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)			STRING WEIGHT DWN (kip)												
220.0		260.0			205.0												
Density (ppg)		13.35		Bgas (gas u)		73		TGas (gas u)		309		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)
69.00	11.0	36.00/10.000		12.000/28.000		677.0	~/70,000		1.9100	22.00		2000	75.00/25.00	13.84	4.27/19.26	--	2.59
LAST CEMENT JOB																	
Finished cementing the		2ND INTERMED 5104H		from	0.0'		to	0.0'		on		07/09/2018 13:00					
FLUID NAME		DESCRIPTION		DENSITY(ppg)	VOLUME(bbl)		SACKS USED		FLUID NAME		DESCRIPTION		DENSITY(ppg)	VOLUME(bbl)		SACKS USED	
NOTES: 2ND INTERMEDIANT																	

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/02/2018

Daily Drilling Partner Report

DFS: 33 EST DAYS:

RPT NO. 34	OPERATOR OASIS PETROLEUM PERMIAN	FIELD NAME PHANTOM WOLFCAMP	RIG NAME/NO NABORS X50	TMD 12,865.0 usft	TVD 11,571.0 usft	FOOTAGE --	ROP(Last) --	AVG ROP 0.0 ft/hr							
API 42495341130000	STATE TEXAS	COUNTY WINKLER	LOCATION UL 20 Sugarloaf 20-37-48 5104H	SIDETRACK NO 00											
PREVIOUS WELL RIG RELEASE	SPUD DATE 06/13/2018 16:30	DATE TD REACHED	RIG RELEASE 7/10/2018 3:00:00AM	REPORT DESCRIPTION DRILL CURVE 5											
CURRENT STATUS			TARGET FORMATION WOLFCAMP	KB ELEV 2,794.0 usft											
24 HR FORECAST			SAFETY MEETING TOPIC	ACC LST 24 HRS? No											
24 HR OPERATIONS SUMMARY															
RIG DIRECTIONS DIRECTIONS TO LOCTATION : PYOTE,TX TRAVEL WEST ON HWY 2355 FOR 9.3 MILES , TURN RIGHT (NORTH) ON LEASE ROAD BY (2) WHITE OIL TANKS , TRAVEL ROAD FOR 5.0 MILES, TURN RIGHT (EAST) ON LEASE ROAD TRAVEL FOR 1.5 MILES TO RIG SURFACE LOCATION: LAT : 31.677															
LAST CASING 7.625 in @ 11,730.0 usft		NEXT CASING 5.500 in @ 21,851.0 usft		LAST BOP TEST 6/22/2018		AUTH TMD 14,645.0 usft		SUPERVISOR / ENGINEER Dave Logan / 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			
8	6.750	NOV	TKC 63	A247832	3 / 12, 3 / 11 / 0.610	--/--	--/--	12,160.0 --	-- --	-- --	-- --	---			
OPERATION DETAILS									Total Hours 4.00						
HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION										
06:00 - 10:00	4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 12,865' TO 13,010' - 145' @ 36'HR AVG. WOB 14K, RPM 100, GPM 238, TQ 6/11K, DIFF 800, SPP 4050 - LITH : 85% SHALE 10% LIMESTONE 5% SANDSTONE										
10:00 - 10:00	0.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 13,010' TO 13,XXX' - XXX' @ 36'HR AVG. WOB 14K, RPM 100, GPM 238, TQ 6/11K, DIFF 800, SPP 4050 - LITH : 85% SHALE 10% LIMESTONE 5% SANDSTONE										
COMMENT:															
SURVEY DATA															
LAST SURVEY@13,016.0 N/S											-1,543.0	E/W	145.5		
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
12,051.0	91.17	163.17	11,572.2	566.4	4.56	-622.2	-143.0	12,569.0	89.62	162.58	11,569.1	1,083.7	0.30	-1,116.5	11.7
12,122.0	91.58	162.04	11,570.5	637.3	1.69	-690.0	-121.8	12,659.0	89.62	162.41	11,569.7	1,173.6	0.19	-1,202.4	38.8
12,211.0	90.76	162.32	11,568.6	726.1	0.97	-774.7	-94.5	12,748.0	89.69	162.69	11,570.2	1,262.5	0.32	-1,287.3	65.5
12,301.0	90.38	162.20	11,567.7	816.0	0.44	-860.4	-67.1	12,837.0	89.59	162.59	11,570.8	1,351.4	0.16	-1,372.2	92.0
12,390.0	89.49	163.44	11,567.8	904.9	1.71	-945.4	-40.8	12,927.0	89.62	162.58	11,571.4	1,441.2	0.04	-1,458.1	119.0
12,480.0	89.66	162.84	11,568.5	994.8	0.69	-1,031.5	-14.7	13,016.0	89.76	162.70	11,571.9	1,530.1	0.21	-1,543.0	145.5
BHA NO.	8	BHA						MUD ADDITIVES							
ITEM	ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY							
Polycrystalline Diamond Bit	PDC BIT	1			1.00	320		0 each							
Steerable Motor	ORBIT BA RSS	1	5.250	3.640	13.82	BULK BARITE		63 TON							
Non-Mag Integral Blabe Stabilizer	AUTOTRAC STAB	1	5.250	2.750	4.90	MUD ENGINEER		0 DAY							
Hang-Off Sub	UBHA SUB	1	4.750	2.375	3.00	BULK FW GEL		0 TON							
Wet Connect Sub	CLPS SUB	1	5.000	2.750	7.16	SODA ASH		0 SX							
Pulser Sub	SLIMPULSE	1	5.000	2.750	29.76	SAPP		0 EACH							
Hang-Off Sub	FILTER SUB	1	5.125	2.250	3.31	PAPER		0 SX							
Positive Displacement Motor	SCHL_7/8_3.8_0.521 REV/GAL	1	5.000	3.750	23.34	SOAP STICKS		0 EACH							
Float Sub	FS	1	4.750	2.500	3.52	PWLCM		0 SX							
Cross Over	XO	1	5.563	2.500	3.68	MF55		0 PL							
						LIME		280 SX							
						FW GEL		0 SX							
						FLUID SEAL		0 SX							
						BARITE		370 SX							
						IRON WOOD FINE		200 SX							
						IRON WOOD MEDIUM		0 SX							
						TRUCKING									
						TAX									
						CAL CARB FINE		0 SX							
						CAL CARB MED		180 SX							
						CAUSTIC		0 SX							
						XANTHAM GUM		0 SX							
						WHITE STARCH		0 SX							
						MBGA25		0 PL							
						PIPE FREE		0 DRUM							
						WC DEFOAMER		0 PL							
						EMULSIFIER		0 DRUM							
						BCI WETTING AGENT		11 DRUM							
						SULPH ASPHALT		80 SX							
						DRILL SURE		170 SX							

UL 20 Sugarloaf 20-37-48 5104H												AFE4711			
Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W												Well ID: 18246			
Report Date: 10/04/2018												DFS: 35 EST DAYS:			
Daily Drilling Partner Report															
RPT NO: 36	OPERATOR OASIS PETROLEUM PERMIAN			FIELD NAME PHANTOM WOLFCAMP			RIG NAME/NO NABORS X50			TMD 14,790.0 usft	TVD 11,579.3 usft	FOOTAGE 450.0 usft	ROP(Last) 29.0 ft/hr	AVG ROP 31.0 ft/hr	
API 4249534113		STATE TEXAS			COUNTY WINKLER			LOCATION UL 20 Sugarloaf 20-37-48 5104H			SIDETRACK NO 00				
PREVIOUS WELL RIG RELEASE		SPUD DATE 06/13/2018 16:30			DATE TO REACHED			RIG RELEASE 7/10/2018 3:00:00AM		REPORT DESCRIPTION DRILL CURVE 7					
CURRENT STATUS TRIPPING AT 4100'							TARGET FORMATION WOLFCAMP				KB ELEV 2,794.0 usft				
24 HR FORECAST TOH, CHANGE BHA, TIH, DRILL 6 3/4" LATERAL SECTION							SAFETY MEETING TOPIC PROPER VALVE ALIGNMENT			ACC LST 24 HRS? No					
24 HR OPERATIONS SUMMARY DRILL 5 3/4" HOLE FROM 14,340' TO 14,790', DOWNLINK PD TO NEUTRAL, CIRCULATE BOTTOMS UP, FLOW CHECK TOH TO CSG SHOE, FLOW CHECK, REMOVE ROTATING HEAD, INSTALL TRIP NIPPLE, TOH W/ BHA TO 4100'															
RIG DIRECTIONS DIRECTIONS TO LOCATION : PYOTE,TX TRAVEL WEST ON HWY 2355 FOR 9.3 MILES , TURN RIG (NORTH) ON LEASE ROAD BY (2) WHITE OIL TANKS , TRAVEL ROAD FOR 5.0 MILES, TURN RIGHT (EAST) ON LEASE ROAD TRAVEL FOR 1.5 MILES TO RIG SURFACE LOCATION: LAT : 31.677															
LAST CASING 7.625 in @ 11,730.0 usft			NEXT CASING 5.500 in @ 21,851.0 usft			LAST BOP TEST 6/22/2018		AUTH TMD 14,645.0 usft		SUPERVISOR / ENGINEER Chuck Taylor / 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			
8	6.750	NOV	TKC 63	A247832	3 / 12, 3 / 11 / 0.610	15.0/22.0	120/120	12,160.0 14,789.0	450.0 2,630.0	14.50 79.50	31.0 33.1	3-3-0- 1-DTF			
OPERATION DETAILS															
HOURS		DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION									
06:00 - 10:00		4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 14,340' TO 14,489' - 149' @ 37' HR AVG. WOB 15/22K, TDRPM 120/TOTAL RPM 250, GPM 249, TQ 8/12K, DIFF 600/800, SPP 4400 - LITH : 14,400', 85% SH 15% LS,									
10:00 - 14:00		4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 14,489' TO 14,607' - 118' @ 30' HR AVG. WOB 15/23K, TDRPM 120/TOTAL RPM 250, GPM 249, TQ 8/13K, DIFF 700/800, SPP 4500 - LITH : 14,550', 90% SH 10% LS,									
14:00 - 16:30		2.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 14,607' TO 14,673' - 66' @ 26' HR AVG. WOB 15/23K, TDRPM 120/TOTAL RPM 250, GPM 249, TQ 8/13K, OFF BTM TQ 5000, DIFF 700/800, SPP 4500, OFF BTM 3650 PSI - LITH : 14,650', 95% SH 5% LS,									
16:30 - 17:00		0.50	LATDR	RIG SERVICE	ALOTTED	RIG SERVICE	SERVICE TOP DRIVE								
17:00 - 19:00		2.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 14,673' TO 14,734' - 61' @ 31' HR AVG. WOB 15/23K, TDRPM 120/TOTAL RPM 250, GPM 249, TQ 8/13K, OFF BTM TQ 5000, DIFF 700/800, SPP 4500, OFF BTM 3650 PSI - LITH : 14,700', 95% SH 5% LS,									
19:00 - 20:00		1.00	LATDR	DEVIATION SURVEY	MWD	PERFORMED CHECK SHOT, DOWNLINKED TO POWER DRIVE 2 TIMES TO 180° 75%.									
20:00 - 22:00		2.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 14,734' TO 14,790' - 56' @ 28' HR AVG. WOB 15/23K, TDRPM 120/TOTAL RPM 250, GPM 249, TQ 8/14K, OFF BTM TQ 5000, DIFF 700/850, SPP 4300, OFF BTM 3650 PSI - LITH : 14,750', 90% SH 10% LS,									
22:00 - 23:00		1.00	LATDR	DEVIATION SURVEY	MWD	SURVEY, DECISION TO PULL BHA. DOWNLINK TO PLACE POWER DRIVE IN NEUTRAL POSITION.									
23:00 - 01:00		2.00	LATDR	CIRCULATING	HOLE CONDITIONING	RACK BACK 1 STAND. CIRCULATE BOTTOMS UP. FLOW CHECKED WELL, PUMPED SLUG.									
01:00 - 03:00		2.00	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	TOH WITH BHA TO 11,632' WELL TAKING PROPER DISPLACEMENT.									
03:00 - 03:30		0.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	FLOW CHECKED WELL. REMOVED ROTATING HEAD ELEMENT. INSTALLED TRIPPING NIPPLE.									
03:30 - 06:00		2.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	CONTINUE TOH WITH BHA TO 4100'.									
COMMENT: RIG OFF LOCATION: 10-16-18 EST.															
SURVEY DATA															
LAST SURVEY@13,016.0 N/S															
-1,543.0 E/W 145.5															
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
12,051.0	91.17	163.17	11,572.2	566.4	4.56	-622.2	-143.0	12,569.0	89.62	162.58	11,569.1	1,083.7	0.30	-1,116.5	11.7
12,122.0	91.58	162.04	11,570.5	637.3	1.69	-690.0	-121.8	12,659.0	89.62	162.41	11,569.7	1,173.6	0.19	-1,202.4	38.8
12,211.0	90.76	162.32	11,568.6	726.1	0.97	-774.7	-94.5	12,748.0	89.69	162.69	11,570.2	1,262.5	0.32	-1,287.3	65.5
12,301.0	90.38	162.20	11,567.7	816.0	0.44	-860.4	-67.1	12,837.0	89.59	162.59	11,570.8	1,351.4	0.16	-1,372.2	92.0
12,390.0	89.49	163.44	11,567.8	904.9	1.71	-945.4	-40.8	12,927.0	89.62	162.58	11,571.4	1,441.2	0.04	-1,458.1	119.0
12,480.0	89.66	162.84	11,568.5	994.8	0.69	-1,031.5	-14.7	13,016.0	89.76	162.70	11,571.9	1,530.1	0.21	-1,543.0	145.5
BHA NO.	8		BHA						MUD ADDITIVES						
ITEM		ITEM DESCRIPTION				JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM		USED	INVENTORY		
Polycrystalline Diamond Bit		PDC BIT				1			1.00	320			0 each		
Steerable Motor		ORBIT BA RSS				1	5.250	3.640	13.82	BULK BARITE		15.00 TON	52 TON		
Non-Mag Integral Blabe Stabilizer		AUTOTRAC STAB				1	5.250	2.750	4.90	MUD ENGINEER		1.00 DAY	0 DAY		
Hang-Off Sub		UBHA SUB				1	4.750	2.375	3.00	BULK FW GEL			0 TON		

AFE4711

Well ID: 18246

DFS: 35 EST DAYS:

Density (ppg)		13.50	Bgas (gas u	112	TGas (gas u	/	MUD CHECK		MUD LOST (bbl)					
FV (s/qt)	WL HTHP (cc/30min)	PV/YP (cp)/(lb/100ft²)	GELS (lb/100ft²)	ES	FC(32nd") /C(ppm)		Salt(%)	CORR(%)	CA(ppm)	OIL/WAT	ECD(ppg)	LGS/HGS (%)	ASG (sg)	LIME (lbm/bbl)
61.00	9.9	35.00/12.000	12.000/29.000	704.0	--/70.000		1.7200	23.20	2000	80.00/20.00	14.25	4.97/19.71	--	2.85

LAST CEMENT JOB

Finished cementing the	2ND INTERMED 5104H	from	0.0'	to	0.0'	on	07/09/2018 13:00
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FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED	FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED

NOTES: 2ND INTERMEDIANT

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/05/2018

Daily Drilling Partner Report

DFS: 36 EST DAYS:

RPT NO. 37	OPERATOR OASIS PETROLEUM PERMIAN	FIELD NAME PHANTOM WOLFCAMP	RIG NAME/NO NABORS X50	TMD 15,095.0 usf	TVD 11,580.6 usf	FOOTAGE 305.0 usft	ROP(Last) 50.1 ft/hr	AVG ROP 67.8 ft/hr
API 4249534113	STATE TEXAS	COUNTY WINKLER	LOCATION UL 20 Sugarloaf 20-37-48 5104H	SIDETRACK NO 00				
PREVIOUS WELL RIG RELEASE	SPUD DATE 06/13/2018 16:30	DATE TD REACHED	RIG RELEASE 7/10/2018 3:00:00AM	REPORT DESCRIPTION RIH W/ LAT BHA 2				
CURRENT STATUS TRIPPING AT 12,920'			TARGET FORMATION WOLFCAMP			KB ELEV 2,794.0 usft		
24 HR FORECAST CONT TOH, LAY DOWN BHA, PICK UP BHA, TIH, DRILL 6 3/4" LATERAL SECTION			SAFETY MEETING TOPIC HAND PLACEMENT		ACC LST 24 HRS? No			
24 HR OPERATIONS SUMMARY TOH, CHANGE OUT BHA, TIH, DRILL 6 3/4" HOLE FROM 14,790' TO 15,056', LOST COMMS WITH POWERDRIVE, CIRCULATED BTMS UP, FLOW CHECKED, PUMPED SLUG, TOH WITH BHA TO 12,920'								
RIG DIRECTIONS DIRECTIONS TO LOCTATION : PYOTE,TX TRAVEL WEST ON HWY 2355 FOR 9.3 MILES , TURN RIGHT (NORTH) ON LEASE ROAD BY (2) WHITE OIL TANKS , TRAVEL ROAD FOR 5.0 MILES, TURN RIGHT (EAST) ON LEASE ROAD TRAVEL FOR 1.5 MILES TO RIG SURFACE LOCATION: LAT : 31.677								
LAST CASING 7.625 in @ 11,730.0 usft		NEXT CASING 5.500 in @ 21,851.0 usft		LAST BOP TEST 9/26/2018		AUTH TMD 24,645.0 usft		SUPERVISOR / ENGINEER Chuck Taylor / 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
10	6.750	HALLIBURTON ENERGY SERVICES INC	GT64D	12932703	6 / 12 / 0.663	5.0/20.0	70/70	14,789.0 15,095.0	305.0 305.0	4.50 4.50	67.8 67.8	0-0-X- I-DTF
8	6.750	NOV	TKC 63	A247832	3 / 12, 3 / 11 / 0.610	--/--	--/--	12,160.0 14,789.0	-- --	-- --	-- --	3-3-0- 1-DTF

OPERATION DETAILS

Total Hours 24.00

HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION
06:00 - 08:00	2.00	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	CONTINUE TOH FROM 4100' TO BHA
08:00 - 09:30	1.50	LATDR	TRIP IN / TRIP OUT	PU / LD TOOLS / BHA	LAY DOWN BHA & BIT
09:30 - 12:00	2.50	LATDR	TRIP IN / TRIP OUT	PU / LD TOOLS / BHA	PICK UP NEW BHA & BIT
12:00 - 17:30	5.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	SHALLOW HOLE TEST RSS PD, MWD & MOTOR
17:30 - 18:30	1.00	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	TIH FROM 93' TO 10978"
18:30 - 19:30	1.00	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	PULLED TRIPPING NIPPLE, INSTALLED ROTATING RUBBER INSERT.
19:30 - 20:30	1.00	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	TIH FROM 10.978' TO 13,190'
20:30 - 22:00	1.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	FILLED DP, PERFORM CHECKSHOT, DOWNLINK TO PD TO HOLD INCLINATION AND AZIMUTH.
22:00 - 02:30	4.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	TIH FROM 13,190' TO 14,147.4'. FILL DP AND WASHED TO 14,790'
02:30 - 03:00	0.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	DRILL AHEAD F/ 14,790' TO 15,095' - 305' @ 68' HR AVG. WOB 10/20K, TDRPM 70/TOTAL RPM 267, GPM 282, TQ 8/14K, OFF BTM TQ 5000, DIFF 700/850, SPP 4300, OFF BTM 5000 PSI - LITH : 15.050', 95% SH 5% LS,
03:00 - 05:00	2.00	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	PERFORMED CHECKSHOT, CONFIRMED POWER DRIVE NOT REACTING TO COMMANDS, NO CONTROL OF AZIMUTH. DISCUSSED WITH SCHLUMBERGER AND OFFICE, DECISION TO POOH.
05:00 - 06:00	1.00	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	CIRCULATE B/U, FLOW CHECK, PUMP SLUG
					TOH WITH BHA TO 12,920', HOLE TAKING PROPER DISPLACEMENT.

COMMENT: RIG OFF LOCATION: 10-16-18 EST.

SURVEY DATA

LAST SURVEY@13,016.0 N/S

-1,543.0

E/W

145.5

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
12,051.0	91.17	163.17	11,572.2	566.4	4.56	-622.2	-143.0	12,569.0	89.62	162.58	11,569.1	1,083.7	0.30	-1,116.5	11.7
12,122.0	91.58	162.04	11,570.5	637.3	1.69	-690.0	-121.8	12,659.0	89.62	162.41	11,569.7	1,173.6	0.19	-1,202.4	38.8
12,211.0	90.76	162.32	11,568.6	726.1	0.97	-774.7	-94.5	12,748.0	89.69	162.69	11,570.2	1,262.5	0.32	-1,287.3	65.5
12,301.0	90.38	162.20	11,567.7	816.0	0.44	-860.4	-67.1	12,837.0	89.59	162.59	11,570.8	1,351.4	0.16	-1,372.2	92.0
12,390.0	89.49	163.44	11,567.8	904.9	1.71	-945.4	-40.8	12,927.0	89.62	162.58	11,571.4	1,441.2	0.04	-1,458.1	119.0
12,480.0	89.66	162.84	11,568.5	994.8	0.69	-1,031.5	-14.7	13,016.0	89.76	162.70	11,571.9	1,530.1	0.21	-1,543.0	145.5

BHA NO.	9	BHA					MUD ADDITIVES			
ITEM		ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY	
Polycrystalline Diamond Bit		SECURITY PDC GT64D SN:12932703 63/4", NOZZLE: 6X12	1			1.16	320		0 each	
Steerable Motor		ORBIT BA RSS	1	5.250	3.640	14.06	BULK BARITE	5.00 TON	70 TON	
Non-Mag Integral Blabe Stabilizer		AUTOTRAC STAB	1	5.250	2.750	4.90	MUD ENGINEER	1.00 DAY	0 DAY	
Hang-Off Sub		UBHO SUB	1	4.750	2.375	2.84	BULK FW GEL		0 TON	
Wet Connect Sub		CLPS SUB	1	5.000	2.750	7.41	SODA ASH		0 SX	
Pulser Sub		SLIMPULSE	1	5.000	2.750	30.86	SAPP		0 EACH	
Hang-Off Sub		FILTER SUB	1	5.125	2.250	3.17	PAPER		0 SX	
Non-Mag Integral Blabe Stabilizer			1	5.250	2.750	4.90	SOAP STICKS		0 EACH	

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/05/2018

Daily Drilling Partner Report

DFS: 36 EST DAYS:

BHA NO.	9	BHA					MUD ADDITIVES						
ITEM		ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY				
Positive Displacement Motor		SCHLUMBERGER / SN:F50B0089 / 5" / 8.4 / 7/8 / 0° Deg Bend / FIXED	1	4.875	3.750	28.68	PWLCM		0 SX				
Float Sub		FS	1	4.750	2.500	3.52	MF55		0 PL				
Cross Over		XO	1	5.563	2.500	3.68	LIME		187 SX				
							FW GEL		0 SX				
							FLUID SEAL		0 SX				
							BARITE		370 SX				
							IRON WOOD FINE		200 SX				
							IRON WOOD MEDIUM		0 SX				
							TRUCKING	1.00					
							TAX	1.00					
							CAL CARB FINE		0 SX				
							CAL CARB MED	5.00 SX	175 SX				
							CAUSTIC		0 SX				
							XANTHAM GUM		0 SX				
							WHITE STARCH		0 SX				
							MBGA25		0 PL				
							PIPE FREE		0 DRUM				
							WC DEFOAMER		0 PL				
							EMULSIFIER		0 DRUM				
							BCI WETTING AGENT		8 DRUM				
							SULPH ASPHALT	2.00 SX	48 SX				
							DRILL SURE		132 SX				
							CALCIUM CLORIDE	3.00 SX	155 SX				
							BENTONITE 910		110 SX				
							BCI PRIMARY	1.00 DRUM	5 DRUM				
							OIL ABSORB		55 SX				
							BCI SECONDARY		4 DRUM				
							COPOLY BEADS	3.00 SX	176 SX				
							PLASTIC WRAP		0 ROLL				
							PALLET						
							BCI OBM RHEO MOD		0 DRUM				
							BENTONITE 990	1.00 SX	14 SX				
							TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)				TOTAL LENGTH (ft)
7,000.0		4,000.0				105.18							
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)	STRING WEIGHT DWN (kip)										
210.0		265.0	200.0										
Density (ppg)		13.55	Bgas (gas u)	196	TGas (gas u)	2848	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)
67.00	9.9	34.00/10.000	13.000/32.000	703.0	--/70,000	1.6600	24.30	2000	80.00/20.00	14.33	6.70/18.98	--	2.46
LAST CEMENT JOB													
Finished cementing the		2ND INTERMED 5104H		from	0.0'	to	0.0'	on 07/09/2018 13:00					
FLUID NAME		DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED		FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED		
NOTES: 2ND INTERMEDIANT													

Page 1 of 2

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/06/2018

Daily Drilling Partner Report

DFS: 37 EST DAYS:

BHA NO.		10	BHA				MUD ADDITIVES							
ITEM		ITEM DESCRIPTION		JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY				
Non-Mag Integral Blabe Stabilizer		nm AUTOTRACK STABILIZEER		1	5.250	2.750	4.90	SOAP STICKS		0 EACH				
Positive Displacement Motor		SCHLUMBERGER / SN:F50B0089 / 5" / 8.4 / 7/8 / 0° Deg Bend / FIXED		1	4.875	3.750	28.68	PWLCM		0 SX				
Integral Blade Stabilizer		AUTOTRAC STABILIZER W/ FLOAT VALVE		1	6.500	2.313	4.83	MF55		0 PL				
Cross Over		XO		1	5.563	2.500	3.68	LIME		187 SX				
								FW GEL		0 SX				
								FLUID SEAL		0 SX				
								BARITE		370 SX				
								IRON WOOD FINE		200 SX				
								IRON WOOD MEDIUM		0 SX				
								TRUCKING	1.00					
								TAX						
								CAL CARB FINE		0 SX				
								CAL CARB MED		175 SX				
								CAUSTIC		0 SX				
								XANTHAM GUM		0 SX				
								WHITE STARCH		0 SX				
								MBGA25		0 PL				
								PIPE FREE		0 DRUM				
								WC DEFOAMER		0 PL				
								EMULSIFIER		0 DRUM				
								BCI WETTING AGENT		8 DRUM				
								SULPH ASPHALT		48 SX				
								DRILL SURE		132 SX				
								CALCIUM CHLORIDE		155 SX				
								BENTONITE 910		110 SX				
								BCI PRIMARY		5 DRUM				
								OIL ABSORB		55 SX				
								BCI SECONDARY		4 DRUM				
								COPOLY BEADS		176 SX				
								PLASTIC WRAP		0 ROLL				
								PALLET						
								BCI OBM RHEO MOD		0 DRUM				
								BENTONITE 990		14 SX				
								RIG WASH		8 DRUM				
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)				TOTAL LENGTH (ft)								
7,500.0		5,000.0				106.44								
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)										
210.0		265.0		200.0										
Density (ppg)		13.55	Bgas (gas u	169	TGas (gas u	2970	MUD CHECK		MUD LOST (bbl)					
FV (s/qt)	WL HTHP (cc/30min)	PV/YP (cp)/(lb/100ft²)	GELS (lb/100ft²)	ES	FC(32nd") /Cl(ppm)	Salt(%)	CORR(%)	CA(ppm)	OIL/WAT	ECD(ppg)	LGS/HGS (%)	ASG (sg)	LIME (lbm/bbl)	
66.00	9.9	36.00/9.000	12.000/30.000	657.0	--/70,000	1.6100	23.30	2000	80.00/20.00	13.73	4.61/20.08	--	2.33	
LAST CEMENT JOB														
Finished cementing the		2ND INTERMED 5104H		from	0.0'	to	0.0'	on 07/09/2018 13:00						
FLUID NAME		DESCRIPTION		DENSITY(ppg)	VOLUME(bbl)	SACKS USED		FLUID NAME		DESCRIPTION		DENSITY(ppg)	VOLUME(bbl)	SACKS USED
NOTES: 2ND INTERMEDIENT														

Page 1 of 2

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/07/2018

Daily Drilling Partner Report

DFS: 38 EST DAYS:

BHA NO.		BHA					MUD ADDITIVES						
ITEM	ITEM DESCRIPTION					JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY	
									CAUSTIC		0 SX		
									XANTHAM GUM		0 SX		
									WHITE STARCH		0 SX		
									MBGA25		0 PL		
									PIPE FREE		0 DRUM		
									WC DEFOAMER		0 PL		
									EMULSIFIER		0 DRUM		
									BCI WETTING AGENT	2.00 DRUM	7 DRUM		
									SULPH ASPHALT	4.00 SX	95 SX		
									DRILL SURE		109 SX		
									CALCIUM CHLORIDE	5.00 SX	145 SX		
									BENTONITE 910		79 SX		
									BCI PRIMARY	1.00 DRUM	4 DRUM		
									OIL ABSORB	20.00 SX	35 SX		
									BCI SECONDARY	1.00 DRUM	3 DRUM		
									COPOLY BEADS	3.00 SX	173 SX		
									PLASTIC WRAP		0 ROLL		
									PALLET				
									BCI OBM RHEO MOD		0 DRUM		
									BENTONITE 990	10.00 SX	4 SX		
RIG WASH		8 DRUM											
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)				TOTAL LENGTH (ft)							
8,000.0		5,000.0				106.44							
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)									
200.0		280.0		180.0									
Density (ppg)	13.55	Bgas (gas u)	164	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)
72.00	9.9	39.00/9.000	13.000/34.000	642.0	2.0/70,000	1.9100	23.00	2000	79.00/21.00	14.36	2.92/20.70	10.00	2.85
LAST CEMENT JOB													
Finished cementing the 2ND INTERMED 5104H from 0.0' to 0.0' on 07/09/2018 13:00													
FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED	FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED				

NOTES: 2ND INTERMEDIANT

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/08/2018

Daily Drilling Partner Report

DFS: 39 EST DAYS:

BHA NO.		BHA					MUD ADDITIVES		
ITEM	ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY	
Cross Over	XO	1	5.563	2.500	3.68	LIME	17.00 SX	155 SX	
						FW GEL		0 SX	
						FLUID SEAL		0 SX	
						BARITE		370 SX	
						IRON WOOD FINE		200 SX	
						IRON WOOD MEDIUM		0 SX	
						TRUCKING			
						TAX	1.00		
						CAL CARB FINE		0 SX	
						CAL CARB MED		175 SX	
						CAUSTIC		0 SX	
						XANTHAM GUM		0 SX	
						WHITE STARCH		0 SX	
						MBGA25		0 PL	
						PIPE FREE		0 DRUM	
						WC DEFOAMER		0 PL	
						EMULSIFIER		0 DRUM	
						BCI WETTING AGENT	1.00 DRUM	6 DRUM	
						SULPH ASPHALT	6.00 SX	89 SX	
						DRILL SURE	14.00 SX	95 SX	
						CALCIUM CHLORIDE	3.00 SX	142 SX	
						BENTONITE 910		79 SX	
						BCI PRIMARY		4 DRUM	
						OIL ABSORB	5.00 SX	30 SX	
						BCI SECONDARY		3 DRUM	
						COPOLY BEADS	3.00 SX	170 SX	
						PLASTIC WRAP		0 ROLL	
						PALLET			
						BCI OBM RHEO MOD		0 DRUM	
						BENTONITE 990	4.00 SX	0 SX	
						RIG WASH	1.00 DRUM	7 DRUM	
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)		TOTAL LENGTH (ft)					
9,500.0				106.44					
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)					
200.0		270.0		170.0					
Density (ppg)	13.55	Bgas (gas u)	150	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)	
68.00	9.9	38.00/12.000	13.000/31.000	724.0	2.0/70,000	1.8400	23.10	2000	
								OIL/WAT	
								ECD(ppg)	
								LGS/HGS (%)	
								ASG (sg)	
								LIME (lbm/bbl)	
LAST CEMENT JOB									
Finished cementing the 2ND INTERMED 5104H from 0.0' to 0.0' on 07/09/2018 13:00									
FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED	FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	
NOTES: 2ND INTERMEDIANT									

UL 20 Sugarloaf 20-37-48 5104H												AFE4711			
Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W												Well ID: 18246			
Report Date: 10/09/2018												DFS: 40 EST DAYS:			
Daily Drilling Partner Report															
RPT NO:	OPERATOR			FIELD NAME			RIG NAME/NO			TMD	TVD	FOOTAGE	ROP(Last)	AVG ROP	
41	OASIS PETROLEUM PERMIAN			PHANTOM WOLFCAMP			NABORS X50			17,597.0 usft	11,586.9 usft	477.0 usft	39.0 ft/hr	43.4 ft/hr	
API	STATE			COUNTY			LOCATION			SIDETRACK NO					
4249534113	TEXAS			WINKLER			UL 20 Sugarloaf 20-37-48 5104H			00					
PREVIOUS WELL RIG RELEASE		SPUD DATE		DATE TO REACHED		RIG RELEASE		REPORT DESCRIPTION							
09/25/2016 00:00		06/13/2018 16:30				7/10/2018 3:00:00AM		LAT RUN 3							
CURRENT STATUS							TARGET FORMATION			KB ELEV					
WAITING ON TECH.							WOLFCAMP			2,794.0 usft					
24 HR FORECAST							SAFETY MEETING TOPIC			ACC LST 24 HRS?					
REPAIR RIG, CONTINUE TOH, CHANGE BHA, TIH TO 17597'. DRILL 6 3/4" LATERAL.							TRIPS AND FALLS			No					
24 HR OPERATIONS SUMMARY															
DRILLED 6 3/4" HOLE TO 17,597'. MWD FAILED, FLOW CHECKED PUMPED SLUG, PULLED OUT HOLE, HOLE TIGHT AFTER 12 STDS PULLED, RAN TO BTM CIRCULATE AND INCR. MUD WT. POOH TO 16,293'. RIG LOST DW A MTR, CIRC WHILE WAIT ON TECH.															
RIG DIRECTIONS															
DIRECTIONS TO LOCATION : PYOTE,TX TRAVEL WEST ON HWY 2355 FOR 9.3 MILES , TURN RIGHT (NORTH) ON LEASE ROAD BY (2) WHITE OIL TANKS , TRAVEL ROAD FOR 5.0 MILES, TURN RIGHT (EAST) ON LEASE ROAD TRAVEL FOR 1.5 MILES TO RIG															
SURFACE LOCATION: LAT : 31.677															
LAST CASING			NEXT CASING			LAST BOP TEST		AUTH TMD		SUPERVISOR / ENGINEER					
7.625 in @ 11,730.0 usft			5.500 in @ 21,851.0 usft			9/26/2018		3,645.0 usft		Chuck Taylor / 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			
10RR	6.750	HALLIBURTON ENERGY SERVICES INC	GT64D	12932703	/ 0.663	20.0/28.0	90/120	15.095.0 17,597.0	477.0 2,502.0	11.00 51.00	43.4 49.1	2-3-X- I-DTF			
OPERATION DETAILS												Total Hours 24.00			
HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION										
06:00 - 10:00	4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 17120' TO 17,275' - 155' @ 39' HR AVG. WOB 20/28K, TDRPM 90-120 TOTAL RPM 293/323, GPM 290, TQ 8/11 K, OFF BTM TQ 5000, DIFF 450, SPP 6000, OFF BTM 5500 PSI ,										
10:00 - 14:00	4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 17275' TO 17,475' - 200' @ 50' HR AVG. WOB 20/28K, TDRPM 90-120 TOTAL RPM 293/323, GPM 290, TQ 8/11 K, OFF BTM TQ 5000, DIFF 450, SPP 6000, OFF BTM 5500 PSI ,										
14:00 - 17:00	3.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 17475' TO 17,594' - 119' @ 39' HR AVG. WOB 20/28K, TDRPM 90-120 TOTAL RPM 293/323, GPM 275/290, TQ 8/11 K, OFF BTM TQ 5000, DIFF 450, SPP 6000, OFF BTM 5500 PSI ,										
17:00 - 19:30	2.50	LATDR	CIRCULATING	MWD FAILURE	LOST SYNC, TROUBLESHOOT DIRECTIONAL SURFACE EQUIPMENT. DRILLED 3' OF 6 3/4" HOLE WHILE CONTINUING TO TROUBLESHOOT. COULD NOT REGAIN COMMUNICATION WITH THE TOOLS.										
19:30 - 21:00	1.50	LATDR	TRIP IN / TRIP OUT	MWD FAILURE	FLOW CHECKED OK, PUMPED SLUG. TOH TO 16,585' HAD 30 KLBS DRAGGED WORKED THROUGH TIGHT HOLE CONTINUED TO HAVE INTERMITTENT TIGHT HOLE FOR THE NEXT FULL STAND. 30 - 45 KLBS DRAG.										
21:00 - 22:30	1.50	LATDR	CIRCULATING	MWD FAILURE	TIH TO 16,700' CIRCULATED BTMMS UP, OBSERVED 3400 UNITS OF TRIP GAS. DECISION MADE TO TIH TO BTM AND RAISE MUD WT. TO 13.7 PPG.										
22:30 - 23:00	0.50	LATDR	CIRCULATING	WEATHER	WAIT ON WEATHER, LIGHTNING, HIGH WINDS, HEAVY RAIN										
23:00 - 23:30	0.50	LATDR	TRIP IN / TRIP OUT	MWD FAILURE	TIH TO 17,524'.										
23:30 - 02:30	3.00	LATDR	CIRCULATING	MWD FAILURE	CIRCULATE AND RAISE MUD WT. FROM 13.5 - 13.7 PPG										
02:30 - 03:30	1.00	LATDR	TRIP IN / TRIP OUT	MWD FAILURE	TOH TO 16,293', CABLE FROM DRAWWORKS A MTR SHORTED WAS ARCING DRILLER HIT E STOP AND SHUT DOWN RIG POWER.										
03:30 - 06:00	2.50	LATDR	RIG REPAIRS	DRAWWORKS / HOISTING	ISOLATED DRAWWORKS A AND RESTARTED RIG. MADE UP TOP DRIVE AND CIRCULATE AT 190 GPM 20 RPM. WAIT ON TECHNICIAN TO REPAIR CABLE TO DRAWWORKS A.										
COMMENT: RIG OFF LOCATION: 10-19-18 EST.															
SURVEY DATA															
LAST SURVEY@17,496.0 N/S												-5,800.6	E/W	1,550.0	
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
16,512.0	89.45	161.00	11,582.5	5,021.2	2.62	-4,860.3	1,260.8	17,049.0	89.73	161.71	11,588.8	5,557.4	1.53	-5,373.3	1,418.9
16,602.0	88.35	161.49	11,584.2	5,110.9	1.34	-4,945.5	1,289.7	17,139.0	91.27	164.08	11,588.1	5,647.3	3.14	-5,459.3	1,445.4
16,691.0	88.38	163.62	11,586.7	5,199.7	2.39	-5,030.4	1,316.4	17,228.0	89.28	162.19	11,587.6	5,736.2	3.08	-5,544.5	1,471.2
16,781.0	89.69	164.33	11,588.2	5,289.7	1.66	-5,116.9	1,341.2	17,317.0	89.28	162.91	11,588.8	5,825.1	0.81	-5,629.4	1,497.9
16,870.0	89.11	163.83	11,589.2	5,378.7	0.86	-5,202.4	1,365.6	17,407.0	89.66	163.09	11,589.6	5,915.0	0.47	-5,715.4	1,524.2
16,960.0	90.79	162.57	11,589.3	5,468.6	2.33	-5,288.6	1,391.6	17,496.0	90.65	163.12	11,589.3	6,004.0	1.11	-5,800.6	1,550.0
BHA NO.	10	BHA							MUD ADDITIVES						
ITEM	ITEM DESCRIPTION				JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED		INVENTORY			
Polycrystalline Diamond Bit	SECURITY PDC GT64D SN:12932703 63/4", NOZZLE: 6X12				1			1.16	320			0 each			
Steerable Motor	ORBIT BA RSS				1	5.250	3.640	14.01	BULK BARITE			55 TON			
Non-Mag Integral Blabe Stabilizer	AUTOTRAC STAB				1	5.250	2.750	4.90	MUD ENGINEER	1.00 DAY		0 DAY			
Hang-Off Sub	UBHO SUB				1	4.750	2.375	2.84	BULK FW GEL			0 TON			
Wet Connect Sub	CLPS SUB				1	5.000	2.750	7.41	SODAASH			0 SX			
Pulser Sub	SLIMPULSE				1	5.000	2.750	30.86	SAPP			0 EACH			

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/09/2018

Daily Drilling Partner Report

DFS: 40 EST DAYS:

BHA NO.	10	BHA					MUD ADDITIVES						
ITEM		ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY				
Hang-Off Sub		FILTER SUB	1	5.125	2.250	3.17	PAPER		0 SX				
Non-Mag Integral Blabe Stabilizer		nm AUTOTRACK STABILIZEER	1	5.250	2.750	4.90	SOAP STICKS		0 EACH				
Positive Displacement Motor		SCHLUMBERGER / SN:F50B0089 / 5" / 8.4 / 7/8 / 0° Deg Bend / FIXED	1	4.875	3.750	28.68	PWLCM		158 SX				
Integral Blade Stabilizer		AUTOTRAC STABILIZER W/ FLOAT VALVE	1	6.500	2.313	4.83	MF55		0 PL				
Cross Over		XO	1	5.563	2.500	3.68	LIME	5.00 SX	150 SX				
							FW GEL		0 SX				
							FLUID SEAL		0 SX				
							BARITE		370 SX				
							IRON WOOD FINE		200 SX				
							IRON WOOD MEDIUM		0 SX				
							TRUCKING						
							TAX	1.00					
							CAL CARB FINE		0 SX				
							CAL CARB MED		175 SX				
							CAUSTIC		0 SX				
							XANTHAM GUM		0 SX				
							WHITE STARCH		0 SX				
							MBGA25		0 PL				
							PIPE FREE		0 DRUM				
							WC DEFOAMER		0 PL				
							EMULSIFIER		0 DRUM				
							SULPH ASPHALT	5.00 SX	84 SX				
							DRILL SURE	2.00 SX	93 SX				
							BENTONITE 910		79 SX				
							BCI PRIMARY	1.00 DRUM	3 DRUM				
							BCI SECONDARY		3 DRUM				
							BCI WETTING AGENT	1.00 DRUM	5 DRUM				
							OIL ABSORB		30 SX				
							COPOLY BEADS	7.00 SX	163 SX				
							CALCIUM CHLORIDE		142 SX				
							PLASTIC WRAP		0 ROLL				
							PALLET						
							BCI OBM RHEO MOD		0 DRUM				
							BENTONITE 990		0 SX				
							RIG WASH		7 DRUM				
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)				TOTAL LENGTH (ft)							
				106.44									
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)									
200.0		285.0		170.0									
Density (ppg)		13.50	Bgas (gas u)	220	TGas (gas u)	3424	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)
66.00	9.9	39.00/10.000	12.000/28.000	688.0	2.0/70,000	1.7500	23.20	2000	80.00/20.00	14.38	2.87/20.80	--	2.72

LAST CEMENT JOB

Finished cementing the 2ND INTERMED 5104H from 32.0' to 4,967.0' on 07/09/2018 13:00

FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED	FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED

NOTES: 2ND INTERMEDIANT

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/10/2018

Daily Drilling Partner Report

DFS: 41 EST DAYS:

BHA NO.		BHA					MUD ADDITIVES										
ITEM	ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY									
Polycrystalline Diamond Bit	SECURITY PDC GT64DK SN:13030530 63/4", NOZZLE: 6X12	1			1.13	MF55		0 PL									
						LIME	20.00 SX	230 SX									
						FW GEL		0 SX									
						FLUID SEAL		0 SX									
						BARITE		370 SX									
						IRON WOOD FINE		200 SX									
						IRON WOOD MEDIUM		0 SX									
						TRUCKING	1.00										
						TAX	1.00										
						CAL CARB FINE		0 SX									
						CAL CARB MED		175 SX									
						CAUSTIC		0 SX									
						XANTHAM GUM		0 SX									
						WHITE STARCH		0 SX									
						MBGA25		0 PL									
						PIPE FREE		0 DRUM									
						WC DEFOAMER		0 PL									
						EMULSIFIER		0 DRUM									
						SULPH ASPHALT		84 SX									
						DRILL SURE		93 SX									
						BENTONITE 910		79 SX									
						BCI PRIMARY		7 DRUM									
						BCI SECONDARY		7 DRUM									
						BCI WETTING AGENT		9 DRUM									
						OIL ABSORB		30 SX									
						COPOLY BEADS		163 SX									
CALCIUM CHLORIDE		142 SX															
PLASTIC WRAP	2.00 ROLL	0 ROLL															
PALLET	5.00																
BCI OBM RHEO MOD		0 DRUM															
BENTONITE 990		0 SX															
RIG WASH		7 DRUM															
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)		TOTAL LENGTH (ft)													
				109.97													
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)													
Density (ppg)		13.70		Bgas (gas u)		220		TGas (gas u)		3424		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)				
72.00	10.5	40.00/14.000	18.000/35.000	655.0	2.0/70,000	1.5500	24.40	2000	81.00/19.00	14.05	5.50/20.21	--	2.20				
LAST CEMENT JOB																	
Finished cementing the 2ND INTERMED 5104H from 32.0' to 4,967.0' on 07/09/2018 13:00																	
FLUID NAME		DESCRIPTION		DENSITY(ppg)	VOLUME(bbl)	SACKS USED	FLUID NAME		DESCRIPTION		DENSITY(ppg)	VOLUME(bbl)	SACKS USED				
NOTES: 2ND INTERMEDIANT																	

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/11/2018

Daily Drilling Partner Report

DFS: 42 EST DAYS:

RPT NO. 43	OPERATOR OASIS PETROLEUM PERMIAN	FIELD NAME PHANTOM WOLFCAMP	RIG NAME/NO NABORS X50	TMD 17,790.0 usft	TVD 11,575.9 usft	FOOTAGE 193.0 usft	ROP(Last) 28.0 ft/hr	AVG ROP 16.8 ft/hr
API 4249534113	STATE TEXAS	COUNTY WINKLER	LOCATION UL 20 Sugarloaf 20-37-48 5104H	SIDETRACK NO 00				
PREVIOUS WELL RIG RELEASE 09/25/2016 00:00	SPUD DATE 06/13/2018 16:30	DATE TO REACHED	RIG RELEASE 7/10/2018 3:00:00AM	REPORT DESCRIPTION LAT RUN 4				
CURRENT STATUS DRILLING AHEAD.			TARGET FORMATION WOLFCAMP			KB ELEV 2,794.0 usft		
24 HR FORECAST DRILL AHEAD.		SAFETY MEETING TOPIC HOUSE KEEPING		ACC LST 24 HRS? No				
24 HR OPERATIONS SUMMARY TIH WITH RSS BHA, DRILL AHEAD								
RIG DIRECTIONS DIRECTIONS TO LOCTATION : PYOTE,TX TRAVEL WEST ON HWY 2355 FOR 9.3 MILES , TURN RIGHT (NORTH) ON LEASE ROAD BY (2) WHITE OIL TANKS , TRAVEL ROAD FOR 5.0 MILES, TURN RIGHT (EAST) ON LEASE ROAD TRAVEL FOR 1.5 MILES TO RIG SURFACE LOCATION: LAT : 31.677								
LAST CASING 7.625 in @ 11,730.0 usft		NEXT CASING 5.500 in @ 21,851.0 usft		LAST BOP TEST 9/26/2018		AUTH TMD 24,645.0 usft		SUPERVISOR / ENGINEER Chuck Taylor / 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
11	6.750	HALLIBURTON ENERGY SERVICES INC	GT64DK	13030530	6 / 12 / 0.663	15.0/25.0	60/120	17,597.0 17,790.0	193.0 193.0	11.50 11.50	16.8 16.8	---

OPERATION DETAILS

Total Hours 24.00

HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION
06:00 - 16:30	10.50	LATDR	TRIP IN / TRIP OUT	MWD FAILURE	TIH F/ 500' T/ 17,597' REAM THROUGH TIGHT SPOT F/ 16,280' T/ 16,575'
16:30 - 17:00	0.50	LATDR	CIRCULATING	MWD FAILURE	FILL DRILL PIPE AND ORIENTATE DIRECTIONAL TOOLS
17:00 - 18:00	1.00	LATDR	CIRCULATING	MWD FAILURE	CIRCULATE.PERFORM DOWN LINKS AND WIPE 30' GAMMA
18:00 - 02:00	8.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 17,597' TO 17,738' - 141' @ 17' HR AVG. WOB 20/28K, TDRPM 90-120 TOTAL RPM 293/323, GPM 275/290, TQ 8/11 K, OFF BTM TQ 5000, DIFF 450, SPP 6000, OFF BTM 5500 PSI SAMPLE: 90SL 10LS DOWNLINK COMANDS TO TOOL
02:00 - 04:00	2.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 17,738' TO 17,776' - 38' @ 19' HR AVG. WOB 15/20K, TDRPM 60-90 TOTAL RPM 263/293, GPM 275/290, TQ 8/11 K, OFF BTM TQ 5000, DIFF 450, SPP 6000, OFF BTM 5500 PSI SAMPLE: 95SL 5LS
04:00 - 05:30	1.50	LATDR	CIRCULATING	HOLE CONDITIONING	CIRCULATE AND CLEAN HOLE. DOWN LINK TOOL AND TAKE CHECK SHOT.
05:30 - 06:00	0.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 17,776' TO 17,790' - 14' @ 28' HR AVG. WOB 15/20K, TDRPM 45 TOTAL RPM 248 GPM 275, TQ 8/11 K, OFF BTM TQ 5K, DIFF 450, SPP 6000, OFF BTM 5500 PSI SAMPLE: 95SL 5LS

COMMENT: RIG OFF LOCATION: 10-19-18 EST.

SURVEY DATA

LAST SURVEY@17,682.0 N/S

-5,978.3

E/W

1,604.4

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
16,691.0	88.38	163.62	11,586.7	5,199.7	2.39	-5,030.4	1,316.4	17,228.0	89.28	162.19	11,587.6	5,736.2	3.08	-5,544.5	1,471.2
16,781.0	89.69	164.33	11,588.2	5,289.7	1.66	-5,116.9	1,341.2	17,317.0	89.28	162.91	11,588.8	5,825.1	0.81	-5,629.4	1,497.9
16,870.0	89.11	163.83	11,589.2	5,378.7	0.86	-5,202.4	1,365.6	17,407.0	89.66	163.09	11,589.6	5,915.0	0.47	-5,715.4	1,524.2
16,960.0	90.79	162.57	11,589.3	5,468.6	2.33	-5,288.6	1,391.6	17,496.0	90.65	163.12	11,589.3	6,004.0	1.11	-5,800.6	1,550.0
17,049.0	89.73	161.71	11,588.8	5,557.4	1.53	-5,373.3	1,418.9	17,593.0	92.10	162.95	11,587.0	6,100.8	1.51	-5,893.3	1,578.3
17,139.0	91.27	164.08	11,588.1	5,647.3	3.14	-5,459.3	1,445.4	17,682.0	93.55	162.93	11,582.6	6,189.6	1.63	-5,978.3	1,604.4

BHA NO.	11	BHA					MUD ADDITIVES			
ITEM		ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY	
Cross Over		XO	1	5.563	2.500	3.68	320		0 each	
Integral Blade Stabilizer		AUTOTRAC STABILIZER W/ FLOAT VALVE	1	6.500	2.313	5.62	BULK BARITE	17.00 TON	75 TON	
Positive Displacement Motor		SCHLUMBERGER / SN:TDI-OSA-500-20-045C/ 5" / 8.4 / 7/8 / 0° Deg Bend / FIXED	1	4.875	3.750	34.71	MUD ENGINEER	1.00 DAY	0 DAY	
Non-Mag Integral Blabe Stabilizer		nm AUTOTRACK STABILIZEER	1	5.250	2.750	5.45	BULK FW GEL		0 TON	
Hang-Off Sub		FILTER SUB	1	5.125	2.250	3.14	SODA ASH		0 SX	
Pulser Sub		SLIMPULSE	1	5.000	2.750	31.46	SAPP		0 EACH	
Wet Connect Sub		CLPS SUB	1	5.000	2.750	6.97	PAPER		0 SX	
Hang-Off Sub		UBHO SUB	1	4.750	2.375	3.01	SOAP STICKS		0 EACH	
Steerable Motor		ORBIT BA RSS	1	5.250	3.640	14.80	PWLCM		158 SX	
Polycrystalline Diamond Bit		SECURITY PDC GT64DK SN:13030530 63/4", NOZZLE: 6X12	1			1.13	MF55		0 PL	
							LIME	55.00 SX	175 SX	
							FW GEL		0 SX	

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/11/2018

Daily Drilling Partner Report

DFS: 42 EST DAYS:

BHA NO.		BHA					MUD ADDITIVES		
ITEM	ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY	
						FLUID SEAL		0 SX	
						BARITE		370 SX	
						IRON WOOD FINE		200 SX	
						IRON WOOD MEDIUM		0 SX	
						TRUCKING	1.00		
						TAX	1.00		
						CAL CARB FINE		0 SX	
						CAL CARB MED		175 SX	
						CAUSTIC		0 SX	
						XANTHAM GUM		0 SX	
						WHITE STARCH		0 SX	
						MBGA25		0 PL	
						PIPE FREE		0 DRUM	
						WC DEFOAMER		0 PL	
						EMULSIFIER		0 DRUM	
						SULPH ASPHALT		84 SX	
						DRILL SURE		93 SX	
						BENTONITE 910		79 SX	
						BCI PRIMARY	1.00 DRUM	6 DRUM	
						BCI SECONDARY	2.00 DRUM	5 DRUM	
						BCI WETTING AGENT	2.00 DRUM	7 DRUM	
						OIL ABSORB		30 SX	
						COPOLY BEADS	3.00 SX	160 SX	
						CALCIUM CHLORIDE	28.00 SX	114 SX	
						PLASTIC WRAP		0 ROLL	
						PALLET			
						BCI OBM RHEO MOD		0 DRUM	
						BENTONITE 990		0 SX	
						RIG WASH		7 DRUM	
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)		TOTAL LENGTH (ft)					
11,000.0		6,000.0		109.97					
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)					
195.0		270.0		170.0					
Density (ppg)	13.70	Bgas (gas u)	124	TGas (gas u)	3424	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)	
78.00	10.0	40.00/15.000	18.000/37.000	703.0	2.0/70.000	1.5500	26.10	2000	
								81.00/19.00	
								14.70	
								7.57/19.10	
								--	
								2.46	
LAST CEMENT JOB									
Finished cementing the 2ND INTERMED 5104H from 32.0' to 4,967.0' on 07/09/2018 13:00									
FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED	FLUID NAME	DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	
NOTES: 2ND INTERMEDIANT									

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/12/2018

Daily Drilling Partner Report

DFS: 43 EST DAYS:

RPT NO. 44	OPERATOR OASIS PETROLEUM PERMIAN	FIELD NAME PHANTOM WOLFCAMP	RIG NAME/NO NABORS X50	TMD 17,790.0 usf	TVD 11,575.9 usf	FOOTAGE --	ROP(Last) --	AVG ROP 0.0 ft/hr
API 4249534113	STATE TEXAS	COUNTY WINKLER	LOCATION UL 20 Sugarloaf 20-37-48 5104H	SIDETRACK NO 00				
PREVIOUS WELL RIG RELEASE 09/25/2016 00:00	SPUD DATE 06/13/2018 16:30	DATE TO REACHED	RIG RELEASE 7/10/2018 3:00:00AM	REPORT DESCRIPTION TOH W/ LAT BHA 4				
CURRENT STATUS TIH WITH NEW BHA.			TARGET FORMATION WOLFCAMP		KB ELEV 2,794.0 usft			
24 HR FORECAST FINISH TIH. DRILL AHEAD.			SAFETY MEETING TOPIC TRIPPING PIPE, HANDLE BHA		ACC LST 24 HRS? No			
24 HR OPERATIONS SUMMARY TOH TO CHANGE BHA, DUE TO RSS NOT PERFORMING PROPERLY.								
RIG DIRECTIONS DIRECTIONS TO LOCTATION : PYOTE,TX TRAVEL WEST ON HWY 2355 FOR 9.3 MILES , TURN RIGHT (NORTH) ON LEASE ROAD BY (2) WHITE OIL TANKS , TRAVEL ROAD FOR 5.0 MILES, TURN RIGHT (EAST) ON LEASE ROAD TRAVEL FOR 1.5 MILES TO RIG SURFACE LOCATION: LAT : 31.677								
LAST CASING 7.625 in @ 11,730.0 usft		NEXT CASING 5.500 in @ 21,851.0 usft		LAST BOP TEST 9/26/2018		AUTH TMD 24,645.0 usft		
SUPERVISOR / ENGINEER Chuck Taylor / 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
12	6.750	ULTERRA DRILLING TECHNOLOGIES LP	CF613	38481	3 / 12, 3 / 15 / 0.849	--/--	--/--	17,791.0 --	0.0 0.0	0.00 0.00	0.0 0.0	---
11	6.750	HALLIBURTON ENERGY SERVICES INC	GT64DK	13030530	6 / 12 / 0.663	--/--	--/--	17,597.0 17,791.0	-- 193.0	-- 11.50	0.0 16.8	1-1-1- 1-DMF

OPERATION DETAILS

Total Hours 24.00

HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION
06:00 - 07:30	1.50	LATDR	CIRCULATING	MOTOR FAILURE	CIRCULATE & CONDITION HOLE, DOWNLINK PWR DRIVE TO NUETRAL, PUMP SLUG, FLOW CHECK - WELL STATIC
07:30 - 11:00	3.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	TOH F/ 17,791' T/ 14,300' FOR BAD RSS PWR DRIVE PULL FREELY ON ELEVATORS - NO TIGHT SPOTS OBSERVED WELL TAKING PROPER DISPLACEMENT ON TRIP TANK
11:00 - 11:30	0.50	LATDR	RIG SERVICE ALOTTED	RIG SERVICE	RIG SERVICE
11:30 - 20:00	8.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	PJSM-TOH F/ 14,300' T/ SURFACE FLOW CHECK REMOVE ROTATING HEAD.
20:00 - 23:00	3.00	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	PJSM-HDT. LAY OUT RSS BHA. RSS HAD PADS WORN DOWN. BIT HAD 2 PLUGGED JETS. CUTTERS IN GOOD CONDITION.
23:00 - 23:30	0.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	CLEAN FLOOR. STAGE BHA
23:30 - 00:00	0.50	LATDR	RIG SERVICE ALOTTED	RIG SERVICE	SERVICE TOP DRIVE.
00:00 - 03:00	3.00	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	PJSM-HDT. P/U DIRECTIONAL BHA. TRQ ALL CONNECTIONS. CHECK OD/ID ON ELEVATOR AND LIFT SUBS. SCRIBE. M/U BIT.
03:00 - 04:00	1.00	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	SHT. 190 GPM'S 1200PSI SPP. TEST PASSED.
04:00 - 05:00	1.00	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	PJSM-TIH F/SURFACE T/ 2000'
05:00 - 06:00	1.00	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	SHT BEFORE AND AFTER P/U AGITATOR. 250 GPM'S 2000 PSI SPP BEFORE. 250 GPM'S 2650 PSI SPP AFTER.

COMMENT: RIG OFF LOCATION: 10-19-18 EST.

SURVEY DATA

LAST SURVEY@17,682.0 N/S

-5,978.3

E/W

1,604.4

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
16,691.0	88.38	163.62	11,586.7	5,199.7	2.39	-5,030.4	1,316.4	17,228.0	89.28	162.19	11,587.6	5,736.2	3.08	-5,544.5	1,471.2
16,781.0	89.69	164.33	11,588.2	5,289.7	1.66	-5,116.9	1,341.2	17,317.0	89.28	162.91	11,588.8	5,825.1	0.81	-5,629.4	1,497.9
16,870.0	89.11	163.83	11,589.2	5,378.7	0.86	-5,202.4	1,365.6	17,407.0	89.66	163.09	11,589.6	5,915.0	0.47	-5,715.4	1,524.2
16,960.0	90.79	162.57	11,589.3	5,468.6	2.33	-5,288.6	1,391.6	17,496.0	90.65	163.12	11,589.3	6,004.0	1.11	-5,800.6	1,550.0
17,049.0	89.73	161.71	11,588.8	5,557.4	1.53	-5,373.3	1,418.9	17,593.0	92.10	162.95	11,587.0	6,100.8	1.51	-5,893.3	1,578.3
17,139.0	91.27	164.08	11,588.1	5,647.3	3.14	-5,459.3	1,445.4	17,682.0	93.55	162.93	11,582.6	6,189.6	1.63	-5,978.3	1,604.4

BHA NO.	12	BHA				MUD ADDITIVES			
ITEM		ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY
Cross Over		SCHLUMBERGER / SN:TDI-OSA-500-20-045C/ 5" / 8.4 / 7/8 / 0° Deg Bend / FIXED	1	4.750	2.750	3.68	320		0 each
		NMDC	1	4.750	2.750	30.24	BULK BARITE	5.00 TON	70 TON
Integral Blade Stabilizer		SPIRAL NM STAB AUTO TRAC	1	4.750	2.750	3.34	BULK FW GEL		0 TON
Pulser Sub		SLIMPULSE	1	4.750	3.250	29.00	MUD ENGINEER	1.00 DAY	0 DAY
Muleshoe Sub		UBHO SUB	1	4.750	2.500	2.80	SODA ASH		0 SX
Integral Blade Stabilizer		SPIRAL N STAB(FLOAT) AUTO TRAC	1	5.250	2.750	4.78	SAPP		0 EACH
Steerable Motor		SLB SN: 510003 5.25" 6/7 8.0 1.5 DEG FBH-SLICK	1	5.250	3.640	29.52	PAPER		0 SX

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/12/2018

Daily Drilling Partner Report

DFS: 43 EST DAYS:

BHA NO.		BHA					MUD ADDITIVES										
ITEM	ITEM DESCRIPTION					JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY					
Polycrystalline Diamond Bit	ULTERRA PDC CF613 SN:38481 63/4", NOZZLE: 3X12 3X15					1		1.000	1.00	SOAP STICKS		0 EACH					
									PWLCM		158 SX						
									MF55		0 PL						
									LIME		175 SX						
									FW GEL		0 SX						
									FLUID SEAL		0 SX						
									BARITE		370 SX						
									IRON WOOD FINE		200 SX						
									IRON WOOD MEDIUM		0 SX						
									TRUCKING								
									TAX	1.00							
									CAL CARB FINE		0 SX						
									CAL CARB MED		175 SX						
									CAUSTIC		0 SX						
									XANTHAM GUM		0 SX						
									WHITE STARCH		0 SX						
									MBGA25		0 PL						
									PIPE FREE		0 DRUM						
									WC DEFOAMER		0 PL						
									EMULSIFIER		0 DRUM						
									SULPH ASPHALT		84 SX						
									DRILL SURE		93 SX						
									BENTONITE 910		79 SX						
									BCI PRIMARY		6 DRUM						
									BCI SECONDARY		5 DRUM						
									BCI WETTING AGENT		7 DRUM						
									OIL ABSORB		30 SX						
									COPOLY BEADS		160 SX						
									CALCIUM CHLORIDE		114 SX						
									PLASTIC WRAP		0 ROLL						
									PALLET								
BCI OBM RHEO MOD		0 DRUM															
BENTONITE 990		0 SX															
RIG WASH		7 DRUM															
TORQUE ON BTM (ft-lbf)			TORQUE OFF BTM (ft-lbf)			TOTAL LENGTH (ft)											
						104.36											
STRING WEIGHT (kip)			STRING WEIGHT UP (kip)			STRING WEIGHT DWN (kip)											
Density (ppg)		13.70		Bgas (gas u)		124		TGas (gas u)		3424		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)				
73.00	10.0	44.00/13.000	19.000/38.000	698.0	2.0/70,000	1.5500	23.30	2000	80.00/20.00	13.98	3.47/21.20	10.00	2.46				
LAST CEMENT JOB																	
Finished cementing the		2ND INTERMED 5104H		from		32.0'		to		4,967.0'		on		07/09/2018 13:00			
FLUID NAME		DESCRIPTION		DENSITY(ppg)		VOLUME(bbl)		SACKS USED		FLUID NAME		DESCRIPTION		DENSITY(ppg)		VOLUME(bbl)SACKS USED	
NOTES: 2ND INTERMEDIENT																	

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/13/2018

Daily Drilling Partner Report

DFS: 44 EST DAYS:

BHA NO.	12	BHA					MUD ADDITIVES						
ITEM		ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY				
Cross Over		XO	1	4.750	2.810	3.61	BULK FW GEL		0 TON				
Agitator		AG	1	4.750	3.750	25.81	MUD ENGINEER	1.00 DAY	0 DAY				
Cross Over		XO		4.750	3.750	3.58	SODA ASH		0 SX				
Drill Pipe		DP	36	4.750	4.080	1,610.66	SAPP		0 EACH				
Cross Over		XO	1	4.750	2.810	3.61	PAPER		0 SX				
Underreamer		DRILL N REEM	1	4.250	1.000	8.55	SOAP STICKS		0 EACH				
Cross Over		XO	1	4.750	2.810	3.58	PWLCM		158 SX				
Drill Pipe		DP	4	4.750	4.080	178.95	MF55		0 PL				
Cross Over		XO	1	4.750	2.750	3.68	LIME		175 SX				
Non-Mag Drill Collar		NMDC	1	4.750	2.750	30.24	FW GEL		0 SX				
Integral Blade Stabilizer		SPIRAL NM STAB AUTO TRAC	1	4.750	2.750	3.34	FLUID SEAL		0 SX				
Pulser Sub		SLIMPULSE	1	4.750	3.250	29.00	BARITE		370 SX				
Muleshoe Sub		UBHO SUB	1	4.750	2.500	2.80	IRON WOOD FINE		200 SX				
Integral Blade Stabilizer		SPIRAL N STAB(FLOAT) AUTO TRAC	1	5.250	2.750	4.78	IRON WOOD MEDIUM		0 SX				
Steerable Motor		SLB SN: 510003 5.25" 6/7 8.0 1.5 DEG FBH-SLICK	1	5.250	3.640	29.52	TRUCKING						
Polycrystalline Diamond Bit		ULTERRA PDC CF613 SN:38481 63/4", NOZZLE: 3X12 3X15	1		1.000	1.00	TAX						
							CAL CARB FINE		0 SX				
							CAL CARB MED		175 SX				
							CAUSTIC		0 SX				
							XANTHAM GUM		0 SX				
							WHITE STARCH		0 SX				
							MBGA25		0 PL				
							PIPE FREE		0 DRUM				
							WC DEFOAMER		0 PL				
							EMULSIFIER		0 DRUM				
							SULPH ASPHALT		84 SX				
							DRILL SURE		93 SX				
							BENTONITE 910		79 SX				
							BCI PRIMARY		6 DRUM				
							BCI SECONDARY		5 DRUM				
							BCI WETTING AGENT		7 DRUM				
							OIL ABSORB		30 SX				
							COPOLY BEADS		160 SX				
							CALCIUM CHLORIDE		114 SX				
							PLASTIC WRAP		0 ROLL				
							PALLET						
							BCI OBM RHEO MOD		0 DRUM				
							BENTONITE 990		0 SX				
							RIG WASH		7 DRUM				
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)		TOTAL LENGTH (ft)									
12,000.0		7,000.0		11,841.98									
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)									
200.0		270.0		170.0									
Density (ppg)		13.70	Bgas (gas u)	124	TGas (gas u)	3424	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)
76.00	10.0	44.00/13.000	17.000/38.000	724.0	2.0/70,000	1.6500	24.30	2000	80.00/20.00	14.63	3.47/21.20	--	2.59
LAST CEMENT JOB													
Finished cementing the 2ND INTERMED 5104H from 32.0' to 4,967.0' on 07/09/2018 13:00													
FLUID NAME		DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED	FLUID NAME		DESCRIPTION	DENSITY(ppg)	VOLUME(bbl)	SACKS USED		
NOTES: 2ND INTERMEDIENT													

NOTES: 2ND INTERMEDIANT

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/15/2018

Daily Drilling Partner Report

DFS: 46 EST DAYS:

RPT NO. 47	OPERATOR OASIS PETROLEUM PERMIAN	FIELD NAME PHANTOM WOLFCAMP	RIG NAME/NO NABORS X50	TMD 18,814.0 usf	TVD 11,569.7 usf	FOOTAGE 189.0 usft	ROP(Last) 15.0 ft/hr	AVG ROP 18.0 ft/hr
API 4249534113	STATE TEXAS	COUNTY WINKLER	LOCATION UL 20 Sugarloaf 20-37-48 5104H	SIDETRACK NO 00				
PREVIOUS WELL RIG RELEASE 09/25/2016 00:00	SPUD DATE 06/13/2018 16:30	DATE TO REACHED	RIG RELEASE 7/10/2018 3:00:00AM	REPORT DESCRIPTION LAT RUN 5				
CURRENT STATUS TOH TO CHANGE BHA.			TARGET FORMATION WOLFCAMP			KB ELEV 2,794.0 usft		
24 HR FORECAST FINISH TOH, CHANGE BHA, TIH, DRILL 6.75" LATERAL HOLE			SAFETY MEETING TOPIC TRIP HAZARDS		ACC LST 24 HRS? No			
24 HR OPERATIONS SUMMARY DRILL 6.75" LATERAL HOLE. CBU, TOH TO CHANGE BHA DUE TO LOW ROP.								
RIG DIRECTIONS DIRECTIONS TO LOCTATION : PYOTE,TX TRAVEL WEST ON HWY 2355 FOR 9.3 MILES , TURN RIGHT (NORTH) ON LEASE ROAD BY (2) WHITE OIL TANKS , TRAVEL ROAD FOR 5.0 MILES, TURN RIGHT (EAST) ON LEASE ROAD TRAVEL FOR 1.5 MILES TO RIG SURFACE LOCATION: LAT : 31.677								
LAST CASING 7.625 in @ 11,730.0 usft		NEXT CASING 5.500 in @ 21,851.0 usft		LAST BOP TEST 9/26/2018		AUTH TMD 14,645.0 usft		SUPERVISOR / ENGINEER Chuck Taylor / 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
12	6.750	ULTERRA DRILLING TECHNOLOGIES LP	CF613	38481	3 / 12, 3 / 15 / 0.849	18.0/30.0	80/90	17,791.0 18,814.0	189.0 1,023.0	10.50 43.00	18.0 23.8	---

OPERATION DETAILS

Total Hours 24.00

HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION
06:00 - 07:30	1.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,625' TO 18,645 - 20' @ 13 HR AVG. WOB 20K, TDRPM 90 TOTAL RPM 312 GPM 275, TRQ ON 8/12 K, OFF 7K, DIFF 300, SPP 5300, OFF BTM 5000 PSI MWT 13.7 IN/OUT SAMPLE: 100SL
07:30 - 10:00	2.50	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 18,645 T/ 18,665 20' @ 8 FPH WOB 25 KLBS, SPP 5250 PSI, DIFF 250 PSI, FLOW RATE 250, TF 180°
10:00 - 12:00	2.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,665' TO 18,725 - 60' @ 30 HR AVG. WOB 20K, TDRPM 90 TOTAL RPM 312 GPM 275, TRQ ON 10/13 K, OFF 7K, DIFF 300, SPP 5300, OFF BTM 5000 PSI MWT 13.7 IN/OUT
12:00 - 13:30	1.50	LATDR	CIRCULATING	HOLE CONDITIONING	CIRCULATE AND RECIPROCATATE CLEAN UP CYCLE AT FULL DRILLING RATE
13:30 - 14:00	0.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,725' TO 18,735 - 10' WOB 20K, TDRPM 90 TOTAL RPM 312, GPM 275, TRQ ON 10/13 K, OFF 7K, DIFF 300, SPP 5300, OFF BTM 5000 PSI MWT 13.7 IN/OUT
14:00 - 15:00	1.00	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 18,735' T/ 18,750' 15' @ 8 FPH WOB 25 KLBS, SPP 5250 PSI, DIFF 250 PSI, FLOW RATE 250, TF 90°L
15:00 - 18:00	3.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,750' TO 18,814 - 60' WOB 20K, TDRPM 90 TOTAL RPM 312, GPM 275, TRQ ON 10/13K, OFF 7K, DIFF 300, SPP 5300, OFF BTM 5000 PSI MWT 13.7 IN/OUT DECISION MADE TO TOH DUE TO LOW ROP.
18:00 - 20:00	2.00	LATDR	CIRCULATING	HOLE CONDITIONING	CIRCULATE BOTTOMS UP. FLOW CHECK (STATC) PUMP SLUG.
20:00 - 20:30	0.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	PJSM-TOH. NOTE: WEATHER FRONT CAME THROUGH. WINDS CAUSED SERVICE LOOP TO HANG UP IN DERRICK. WENT ON WEATHER HOLD UNTIL WINDS DIED TO ACCEPTABLE LEVELS.
20:30 - 22:30	2.00	LATDR	CIRCULATING	HOLE CONDITIONING	CIRCULATE AND WORK PIPE WHILE WAITING FOR WEATHER TO IMPROVE.
22:30 - 04:00	5.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	PUMP SLUG,TOH T/10645' MAX OVER PULL 40K MONITOR WELL ON TRIP TANKS.
04:00 - 04:30	0.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	FLOW CHECK (STATIC) REMOVE ROTATING HEAD THEN INSTALL TRIP NIPPLE.
04:30 - 06:00	1.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	CONTINUE TOH F/10645' T/8025'. MONITOR WELL ON TRIP TANK.

COMMENT: RIG OFF LOCATION: 10-23-18 EST.

SURVEY DATA

LAST SURVEY@18,759.0 N/S

-7,011.8

E/W

1,898.4

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
17,777.0	96.13	161.82	11,574.6	6,284.2	2.95	-6,068.5	1,633.0	18,312.0	90.41	161.43	11,569.7	6,817.7	2.16	-6,577.1	1,797.5
17,866.0	94.37	162.57	11,566.5	6,372.6	2.15	-6,152.9	1,660.1	18,401.0	93.44	164.06	11,566.7	6,906.5	4.51	-6,662.0	1,823.9
17,955.0	89.76	162.82	11,563.3	6,461.5	5.19	-6,237.8	1,686.6	18,491.0	90.48	166.15	11,563.7	6,996.4	4.03	-6,748.9	1,847.0
18,044.0	88.90	162.43	11,564.3	6,550.3	1.06	-6,322.7	1,713.2	18,580.0	91.10	168.75	11,562.4	7,085.4	3.00	-6,835.8	1,866.3
18,133.0	88.38	161.65	11,566.4	6,639.2	1.05	-6,407.4	1,740.6	18,670.0	88.04	170.39	11,563.1	7,175.1	3.86	-6,924.3	1,882.6

UL 20 Sugarloaf 20-37-48 5104H

Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W

AFE4711

Well ID: 18246

Report Date: 10/15/2018

Daily Drilling Partner Report

DFS: 46 EST DAYS:

SURVEY DATA										LAST SURVEY@18,759.0 N/S					-7,011.8		E/W	1,898.4		
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					
			(usft)								(usft)									
BHA NO.		12		BHA							MUD ADDITIVES									
ITEM		ITEM DESCRIPTION					JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM		USED	INVENTORY						
Heavy Weight Drill Pipe		HWDP					30	4.750	2.750	954.38	320			0 each						
Drill Pipe		DP					200	4.750	4.080	8,944.89	BULK BARITE		19.00 TON	40 TON						
Cross Over		XO					1	4.750	2.810	3.61	BULK FW GEL			0 TON						
Agitator		AG					1	4.750	3.750	25.81	MUD ENGINEER		1.00 DAY	0 DAY						
Cross Over		XO						4.750	3.750	3.58	SODA ASH			0 SX						
Drill Pipe		DP					36	4.750	4.080	1,610.66	SAPP			0 EACH						
Cross Over		XO					1	4.750	2.810	3.61	PAPER			0 SX						
Underreamer		DRILL N REEM					1	4.250	1.000	8.55	SOAP STICKS			0 EACH						
Cross Over		XO					1	4.750	2.810	3.58	PWLCM			158 SX						
Drill Pipe		DP					4	4.750	4.080	178.95	MF55			0 PL						
Cross Over		XO					1	4.750	2.750	3.68	LIME		35.00 SX	145 SX						
Non-Mag Drill Collar		NMDC					1	4.750	2.750	30.24	FW GEL			0 SX						
Integral Blade Stabilizer		SPIRAL NM STAB AUTO TRAC					1	4.750	2.750	3.34	FLUID SEAL			0 SX						
Pulser Sub		SLIMPULSE					1	4.750	3.250	29.00	BARITE			370 SX						
Muleshoe Sub		UBHO SUB					1	4.750	2.500	2.80	IRON WOOD FINE			200 SX						
Integral Blade Stabilizer		SPIRAL N STAB(FLOAT) AUTO TRAC					1	5.250	2.750	4.78	IRON WOOD MEDIUM			0 SX						
Steerable Motor		SLB SN: 510003 5.25" 6/7 8.0 1.5 DEG FBH-SLICK					1	5.250	3.640	29.52	TRUCKING		1.00							
Polycrystalline Diamond Bit		ULTERRA PDC CF613 SN:38481 63/4", NOZZLE: 3X12 3X15					1		1.000	1.00	TAX		1.00							
										CAL CARB FINE			0 SX							
										CAL CARB MED			175 SX							
										CAUSTIC			0 SX							
										XANTHAM GUM			0 SX							
										WHITE STARCH			0 SX							
										MBGA25			0 PL							
										PIPE FREE			0 DRUM							
										WC DEFOAMER			0 PL							
										EMULSIFIER			0 DRUM							
										SULPH ASPHALT		10.00 SX	70 SX							
										DRILL SURE			90 SX							
										BENTONITE 910			79 SX							
										BCI PRIMARY		2.00 DRUM	6 DRUM							
										BCI SECONDARY		1.00 DRUM	4 DRUM							
										BCI WETTING AGENT		2.00 DRUM	7 DRUM							
										OIL ABSORB			16 SX							
										COPOLY BEADS		11.00 SX	135 SX							
										CALCIUM CHLORIDE		29.00 SX	130 SX							
										PLASTIC WRAP			0 ROLL							
										PALLET										
										BCI OBM RHEO MOD			0 DRUM							
										BENTONITE 990			0 SX							
										RIG WASH			6 DRUM							
										TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)						TOTAL LENGTH (ft)		
										14,000.0		10,000.0						11,841.98		
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)			STRING WEIGHT DWN (kip)															
210.0		300.0			190.0															
Density (ppg)		13.70		Bgas (gas u)	101	TGas (gas u)	3424	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)					
81.00	11.5	42.00/15.000		18.000/39.000		669.0	2.0/70,000	1.5700	25.40	2000	81.00/19.00	14.28	7.61/19.11	--	2.20					
LAST CEMENT JOB																				
Finished cementing the		2ND INTERMED 5104H		from	32.0'	to	4,967.0'	on		07/09/2018 13:00										
FLUID NAME		DESCRIPTION		DENSITY(ppg)		VOLUME(bbl)		SACKS USED		FLUID NAME		DESCRIPTION		DENSITY(ppg)	VOLUME(bbl)	SACKS USED				
NOTES: 2ND INTERMEDIENT																				