

# 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: 10/14/2018

## Daily Drilling Partner Report

DFS: 45 EST DAYS:

RPT NO. 46	OPERATOR OASIS PETROLEUM PERMIAN LLC	FIELD NAME PHANTOM WOLFCAMP	RIG NAME/NO NABORS X50		TMD 18,625.0 usft	TVD 11,562.2 usft	FOOTAGE 635.0 usft	ROP(Last) 40.0 ft/hr	AVG ROP 27.0 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 DRILL AHEAD				TARGET FORMATION WOLFCAMP		KB ELEV 2,794.0 usft			
24 HR FORECAST DRILL AHEAD IN 6.75" LATERAL SECTION.				SAFETY MEETING TOPIC DROP OBJECTS PREVENTION		ACC LST 24 HRS? No			
24 HR OPERATIONS SUMMARY DRILL 6.75 " LATERAL.									
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	15.0/25.0	60/90	17,791.0 18,814.0	634.0 834.0	23.50 32.50	27.0 25.7	8-2-X-1-PR

### 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/ 17,991 TO 18,091' - 100' @ 25' HR AVG. WOB 20K, TDRPM 90 TOTAL RPM 312, GPM 275, TRQ ON 8/12 K, OFF 7K, DIFF 600, SPP 6000, OFF BTM 5400 PSI
10:00 - 14:00	4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,091 TO 18,191' - 100' @ 25' HR AVG. WOB 20K, TDRPM 90 TOTAL RPM 312, GPM 275, TRQ ON 8/12 K, OFF 7K, DIFF 600, SPP 6000, OFF BTM 5400 PSI
14:00 - 16:30	2.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,191 TO 18,278 - 87' @ 35' HR AVG. WOB 20K, TDRPM 70/90 TOTAL RPM 292/312, GPM 275, TRQ ON 8/12 K, OFF 7K, DIFF 500, SPP 6300, OFF BTM 5800 PSI
16:30 - 17:00	0.50	LATDR	RIG SERVICE	RIG SERVICE	RIG SERVICE.
17:00 - 19:30	2.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,278 TO 18,367 - 89' @ 35' HR AVG. WOB 20K, TDRPM 90 TOTAL RPM 312, GPM 275, TRQ ON 8/12 K, OFF 7K, DIFF 500, SPP 6300, OFF BTM 5800 PSI MWT 13.7 IN/OUT SAMPLE: 100SL
19:30 - 20:30	1.00	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 18,367' T/ 18,18379' 12' @ 12 FPH WOB 25 KLBS, SPP 5250 PSI, DIFF 350 PSI, FLOW RATE 250, TF 160°R
20:30 - 21:30	1.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,379' TO 18,440' - 61' @ 61' HR AVG. WOB 20K, TDRPM 90 TOTAL RPM 312, GPM 275, TRQ ON 8/12 K, OFF 7K, DIFF 500, SPP 6300, OFF BTM 5800 PSI MWT 13.7 IN/OUT SAMPLE: 100SL
21:30 - 22:30	1.00	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 18,440' T/ 18,452' 12' @ 12 FPH WOB 25 KLBS, SPP 5250 PSI, DIFF 350 PSI, FLOW RATE 250, TF 160°R
22:30 - 23:30	1.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,456' TO 18,486 - 30' @ 30 HR AVG. WOB 20K, TDRPM 90 TOTAL RPM 312, GPM 275, TRQ ON 8/12 K, OFF 7K, DIFF 500, SPP 6300, OFF BTM 5800 PSI MWT 13.7 IN/OUT SAMPLE: 100SL BLD IN ROTATION
23:30 - 00:30	1.00	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 18,486 T/ 18,500' 14' @ 14 FPH WOB 25 KLBS, SPP 5250 PSI, DIFF 350 PSI, FLOW RATE 250, TF 180°
00:30 - 02:00	1.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,500' TO 18,556 - 56' @ 37 HR AVG. WOB 20K, TDRPM 90 TOTAL RPM 312, GPM 275, TRQ ON 8/12 K, OFF 7K, DIFF 500, SPP 6300, OFF BTM 5800 PSI MWT 13.7 IN/OUT SAMPLE: 100SL
02:00 - 04:00	2.00	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 18,556 T/ 18,568' 12' @ 6 FPH WOB 25 KLBS, SPP 5250 PSI, DIFF 350 PSI, FLOW RATE 250, TF 180°
04:00 - 04:30	0.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,568' TO 18,600 - 32' @ 64 HR AVG. WOB 20K, TDRPM 90 TOTAL RPM 312, GPM 275, TRQ ON 8/12 K, OFF 7K, DIFF 500, SPP 6300, OFF BTM 5800 PSI MWT 13.7 IN/OUT SAMPLE: 100SL BLD IN ROTATION
04:30 - 06:00	1.50	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 18,600T/ 18,625 25' @ 16 FPH WOB 25 KLBS, SPP 5250 PSI, DIFF 350 PSI, FLOW RATE 250, TF 180°

# UL 20 Sugarloaf 20-37-48 5104H

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

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Well ID: 18246

Report Date: 10/14/2018

## Daily Drilling Partner Report

DFS: 45 EST DAYS:

COMMENT: RIG OFF LOCATION: 10-21-18 EST.

SURVEY DATA								LAST SURVEY@18,491.0 N/S				-6,748.9	E/W	1,847.0	
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
17,496.0	90.65	163.12	11,589.3	6,004.0	1.11	-5,800.6	1,550.0	18,044.0	88.90	162.43	11,564.3	6,550.3	1.06	-6,322.7	1,713.2
17,593.0	92.10	162.95	11,587.0	6,100.8	1.51	-5,893.3	1,578.3	18,133.0	88.38	161.65	11,566.4	6,639.2	1.05	-6,407.4	1,740.6
17,682.0	93.55	162.93	11,582.6	6,189.6	1.63	-5,978.3	1,604.4	18,223.0	88.49	161.38	11,568.9	6,728.9	0.32	-6,492.7	1,769.1
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

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	8,944.99	BULK BARITE	11.00 TON	59 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	45.00 SX	130 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	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	4.00 SX	80 SX							
							DRILL SURE	3.00 SX	90 SX							
							BENTONITE 910		79 SX							
							BCI PRIMARY	2.00 DRUM	4 DRUM							
							BCI SECONDARY		5 DRUM							
							BCI WETTING AGENT	2.00 DRUM	5 DRUM							
							OIL ABSORB	14.00 SX	16 SX							
							COPOLY BEADS	14.00 SX	146 SX							
							CALCIUM CHLORIDE	19.00 SX	95 SX							
							PLASTIC WRAP		0 ROLL							
							PALLET									
							BCI OBM RHEO MOD		0 DRUM							
							BENTONITE 990		0 SX							
							RIG WASH	1.00 DRUM	6 DRUM							
							TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)			TOTAL LENGTH (ft)				
							13,000.0		7,000.0		11,842.08					
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)/(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)
78.00	10.0	42.00/15.000	18.000/39.000	621.0	2.070/0.000	1.6600	24.30	2000	80.00/20.00	14.70	5.57/20.11	--	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

# UL 20 Sugarloaf 20-37-48 5104H

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

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Well ID: 18246

Report Date: 10/15/2018

## Daily Drilling Partner Report

DFS: 46 EST DAYS:

RPT NO. 47	OPERATOR OASIS PETROLEUM PERMIAN LLC	FIELD NAME PHANTOM WOLFCAMP	RIG NAME/NO NABORS X50	TMD 18,814.0 usf	TVD 11,569.4 usf	FOOTAGE 189.0 usf	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 usf		
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 usf		NEXT CASING 5.500 in @ 21,851.0 usf		LAST BOP TEST 9/26/2018		AUTH TMD 14,645.0 usf		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	8-2-X-1-PR

### 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	MOTOR FAILURE	CIRCULATE BOTTOMS UP. FLOW CHECK (STATC) PUMP SLUG.
20:00 - 20:30	0.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	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	WEATHER	CIRCULATE AND WORK PIPE WHILE WAITING FOR WEATHER TO IMPROVE.
22:30 - 04:00	5.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	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	MOTOR FAILURE	FLOW CHECK (STATIC) REMOVE ROTATING HEAD THEN INSTALL TRIP NIPPLE.
04:30 - 06:00	1.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	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
								18,223.0	88.49	161.38	11,568.9	6,728.9	0.32	-6,492.7	1,769.1

# 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	VS (usft)	DLS (°/100ft)	N/S	E/W	MD (usft)	INCL (°)	AZI (°)	TVD	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	8,944.99	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						11,842.08										
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																		

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

Well ID: 18246

Report Date: 10/16/2018

## Daily Drilling Partner Report

**DFS: 47   EST DAYS:**

<b>RPT NO.</b> 48	<b>OPERATOR</b> OASIS PETROLEUM PERMIAN LLC	<b>FIELD NAME</b> PHANTOM WOLFCAMP	<b>RIG NAME/NO</b> NABORS X50	<b>TMD</b> 18,862.0 usft	<b>TVD</b> 11,571.3 usft	<b>FOOTAGE</b> 48.0 usft	<b>ROP(Last)</b> 70.0 ft/hr	<b>AVG ROP</b> 32.0 ft/hr
<b>API</b> 4249534113	<b>STATE</b> TEXAS	<b>COUNTY</b> Winkler	<b>LOCATION</b> UL 20 Sugarloaf 20-37-48 5104H	<b>SIDETRACK NO</b> 00				
<b>PREVIOUS WELL RIG RELEASE</b> 09/25/2016 00:00		<b>SPUD DATE</b> 06/13/2018 16:30	<b>DATE TO REACHED</b>	<b>RIG RELEASE</b> 7/10/2018 3:00:00AM	<b>REPORT DESCRIPTION</b> LAT RUN BHA #6			
<b>CURRENT STATUS</b> DRILLING AHEAD NEW BHA.				<b>TARGET FORMATION</b> WOLFCAMP		<b>KB ELEV</b> 2,794.0 usft		
<b>24 HR FORECAST</b> DRILL 6.75" LATERAL WITH RSS ASSEMBLY.			<b>SAFETY MEETING TOPIC</b> LAST DAY STAY FOCUSED		<b>ACC LST 24 HRS?</b> No			
<b>24 HR OPERATIONS SUMMARY</b> FINISH TOH, CHANGE BHA, TIH, DRILL 6.75" LATERAL HOLE WITH RSS ASSEMBLY.								
<b>RIG DIRECTIONS</b> 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								
<b>LAST CASING</b> 7.625 in @ 11,730.0 usft		<b>NEXT CASING</b> 5.500 in @ 21,851.0 usft		<b>LAST BOP TEST</b> 9/26/2018		<b>AUTH TMD</b> 4,645.0 usft		<b>SUPERVISOR / ENGINEER</b> 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
	6.750	HALLIBURTON ENERGY SERVICES INC	GT64D	12917200	6 / 12 / 0.663	8.0/15.0	70/70	18,814.0 18,862.0	46.0 46.0	1.50 1.50	30.7 30.7	---
12	6.750	ULTRERRA DRILLING TECHNOLOGIES LP	CF613	38481	3 / 12, 3 / 15 / 0.849	18.0/30.0	80/90	17,791.0 18,814.0	0.0 1,023.0	0.00 43.00	0.0 23.8	8-2-X- 1-PR

OPERATION DETAILS						Total Hours	24.00
HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION		
06:00 - 11:00	5.00	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	CONTINUE TOH F/8025' T/325'. MONITOR WELL ON TRIP TANK.		
11:00 - 13:30	2.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	BREAK OUT & LAY OUT MWD, MOTOR & BIT.		
13:30 - 17:00	3.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	PICK UP & MAKE UP BIT & RSS POWER DRIVE ASSY. SHALLOW HOLE TEST PD & MWD PICK UP MOTOR & RIH		
17:00 - 01:00	8.00	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	TIH W/ RSS ASSY F/325' T/15254'. MONITOR WELL ON TRIP TANK. FILL EVERY 30 STANDS		
01:00 - 01:30	0.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	REMOVE TRIP NIPPLE INSTALL ROTATING HEAD.		
01:30 - 03:00	1.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	TIH W/ RSS ASSY F/15,254' T/18,726'. MONITOR WELL ON TRIP TANK FILL PIPE EVERY 30 STANDS		
03:00 - 04:30	1.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	CIRCULATE AND WASH 2 JOINTS TO BOTTOM. FAN BOTTOM DOWNLINK RSS		
04:30 - 06:00	1.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,816' TO 18,862 - 46' @ 15 HR AVG. WOB 7-15K, TDRPM 70 TOTAL RPM 262, GPM 275, TRQ ON 8/12 K, OFF 7K, DIFF 500, SPP 6500, OFF BTM 6000 PSI MWT 13.8 IN/OUT DOWNLINK RSS		

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

SURVEY DATA													LAST SURVEY@18,811.0 N/S		-7,062.8	E/W	1,908.2
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		
17,866.0	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		
18,223.0	88.49	161.38	11,568.9	6,728.9	0.32	-6,492.7	1,769.1	18,759.0	87.11	169.12	11,566.9	7,263.8	1.77	-7,011.8	1,898.4		
18,312.0	90.41	161.43	11,569.7	6,817.7	2.16	-6,577.1	1,797.5	18,811.0	87.70	169.07	11,569.2	7,315.6	1.14	-7,062.8	1,908.2		

BHA NO.	13	BHA				MUD ADDITIVES		
ITEM	ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY
Heavy Weight Drill Pipe	4.75" HWDP	30	4.750	2.750	954.38	320		0 each
Drill Pipe	4.75" PUSH PIPE	266	4.750	4.080	11,897.34	BULK BARITE	8.00 TON	55 TON
Cross Over	XO	1	5.563	2.500	3.68	BULK FW GEL		0 TON
Integral Blade Stabilizer	AUTOTRAC STAB W/ FLOAT VALVE 6 5/8"	1	6.500	2.313	5.62	MUD ENGINEER	1.00 DAY	0 DAY
Positive Displacement Motor	SLB SN:F50B0112 / 5" / 8.4 / 7/8 / 0° Deg Bend / FIXED	1	5.000	3.750	28.70	SODA ASH		0 SX
Non-Mag Integral Blabe Stabilizer	AUTOTRACK STAB 6 5/8"	1	4.680	2.750	5.45	SAPP		0 EACH
Hang-Off Sub	FILTER SUB	1	5.000	2.500	3.14	PAPER		0 SX
MWD Tool	SLIMPULSE	1	4.750	2.750	31.46	SOAP STICKS		0 EACH
Wet Connect Sub	CLPS SUB	1	4.750	2.750	6.97	PWLCM		158 SX
Muleshoe Sub	UBHO SUB	1	4.750	2.375	3.01	MF55		0 PL

# 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: 10/16/2018

## Daily Drilling Partner Report

DFS: 47 EST DAYS:

BHA NO.	13	BHA					MUD ADDITIVES												
ITEM		ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY										
Non-Mag Integral Blade Stabilizer		AUTOTRAC STAB 6 5/8"	1	5.250	2.750	4.91	LIME		145 SX										
Steerable Motor		ORBIT BA RSS	1	5.250	3.640	13.93	FW GEL		0 SX										
Polycrystalline Diamond Bit		SECURITY PDC GT64D SN:12932703 6 3/4", NOZZLE: 6X12	1	6.750	1.000	1.14	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	1.00 SX	69 SX										
							DRILL SURE		90 SX										
							BENTONITE 910		79 SX										
							BCI PRIMARY		6 DRUM										
							BCI SECONDARY		4 DRUM										
							BCI WETTING AGENT	2.00 DRUM	5 DRUM										
							OIL ABSORB		16 SX										
							COPOLY BEADS	29.00 SX	106 SX										
							CALCIUM CHLORIDE		130 SX										
							PLASTIC WRAP		0 ROLL										
							PALLET												
							BCI OBM RHEO MOD		0 DRUM										
							BENTONITE 990		0 SX										
							RIG WASH	3.00 DRUM	3 DRUM										
							TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)				TOTAL LENGTH (ft)						
							12,000.0		7,500.0				12,959.73						
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)															
210.0		300.0		190.0															
Density (ppg)	13.90	Bgas (gas u)	101	TGas (gas u)	2901	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)						
85.00	12.0	43.00/16.000	4.000/4,239.000	813.0	2.0/70,000	1.5700	27.40	2000	81.00/19.00	14.28	8.24/19.52	--	1.00						
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 INTERMEDIATE																			

# 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: 10/17/2018

## Daily Drilling Partner Report

DFS: 48 EST DAYS:

RPT NO. 49		OPERATOR OASIS PETROLEUM PERMIAN LLC		FIELD NAME PHANTOM WOLFCAMP		RIG NAME/NO NABORS X50		TMD 19,128.0 usf		TVD 11,584.1 usf		FOOTAGE 266.0 usft		ROP(Last) 40.0 ft/hr		AVG ROP 40.9 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 TD REACHED		RIG RELEASE 7/10/2018 3:00:00AM		REPORT DESCRIPTION LAT RUN RSS							
CURRENT STATUS SLIP AND CUT DRILL LINE.								TARGET FORMATION WOLFCAMP				KB ELEV 2,794.0 usft					
24 HR FORECAST TIH, DRILL 6.75" LATERAL WITH STEERABLE ASSEMBLY.						SAFETY MEETING TOPIC FIRST DAY BACK, FOCUS				ACC LST 24 HRS? No							
24 HR OPERATIONS SUMMARY																	
DRILL 6.75" LATERAL WITH RSS ASSEMBLY.CIRCULATE, TOH TO CHANGE BHA DUE TO INABILITY TO STEER WITH RSS.																	
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					
8	6.750	BAKER HUGHES/PETR OLITE	CF613	5271937	3 / 12, 3 / 14 / 0.782	--/--	--/--	19,128.0 19,263.0	-- --	-- --	-- --	---					
	6.750	HALLIBURTON ENERGY SERVICES INC	GT64D	12917200	6 / 12 / 0.663	10.0/20.0	70/80	18,814.0 19,128.0	266.0 312.0	6.50 8.00	40.9 39.0	1-1-X- I-DTF					
OPERATION DETAILS																	
												Total Hours		24.00			
HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION												
06:00 - 12:30	6.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 18,862 TO 19,128 - 266 @ 41 HR AVG. WOB 7-20K, TDRPM 40/90 TOTAL RPM 230/280, GPM 275, TRQ ON 8/14 K, OFF 7K, DIFF 500, SPP 6500, OFF BTM 6000 PSI MWT 13.8 IN/OUT RSS UNABLE TO STEER AS COMMAND												
12:30 - 15:00	2.50	LATDR	CIRCULATING	MOTOR FAILURE	DOWN LINK RSS TO NUETRAL SETTING, CIRCULATE BOTTOMS UP AND PUMP SLUG.												
15:00 - 20:00	5.00	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	PJSM-TOH F/19128' T/11,600'. DUE TO INABILITY TO STEER WITH RSS MONITOR WELL ON TRIP TANK.												
20:00 - 20:30	0.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	PJSM-REMOVE ROTATING RUBBER AND INSTALL TRIP NIPPLE. FLOW CHECK (STATIC)												
20:30 - 03:30	7.00	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	CONTINUE TOH F/11,600' T/BHA. MONITOR WELL ON TRIP TANK												
03:30 - 06:00	2.50	LATDR	TRIP IN / TRIP OUT	MOTOR FAILURE	PJSM-HDT. LAY OUT BHA. RSS ASSEMBLY.												
COMMENT: RIG OFF LOCATION: 10-23-18 EST.																	
SURVEY DATA																	
LAST SURVEY@19,078.0 N/S												-7,324.6		E/W		1,959.1	
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		
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		
18,223.0	88.49	161.38	11,568.9	6,728.9	0.32	-6,492.7	1,769.1	18,759.0	87.11	169.12	11,566.9	7,263.8	1.77	-7,011.8	1,898.4		
18,312.0	90.41	161.43	11,569.7	6,817.7	2.16	-6,577.1	1,797.5	18,811.0	87.70	169.07	11,569.2	7,315.6	1.14	-7,062.8	1,908.2		
18,401.0	93.44	164.06	11,566.7	6,906.5	4.51	-6,662.0	1,823.9	18,899.0	87.28	168.95	11,573.1	7,403.4	0.50	-7,149.1	1,925.0		
18,491.0	90.48	166.15	11,563.7	6,996.4	4.03	-6,748.9	1,847.0	18,988.0	87.18	168.94	11,577.4	7,492.1	0.11	-7,236.3	1,942.0		
18,580.0	91.10	168.75	11,562.4	7,085.4	3.00	-6,835.8	1,866.3	19,078.0	87.18	169.21	11,581.8	7,581.8	0.30	-7,324.6	1,959.1		
BHA NO. 14		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	8,944.99	BULK BARITE		5.00 TON		50 TON				
Cross Over		XO			1	4.750	2.810	3.61	BULK FW GEL				0 TON				
Agitator		AG			1	4.750	3.750	25.61	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				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		SN RY500027 - 5.25" 6/7 10.3 1.5 DEG 6 1/4" I.B. STAB			1	5.250	3.640	31.50	TRUCKING								



# 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: 10/17/2018

## Daily Drilling Partner Report

DFS: 48 EST DAYS:

BHA NO.		BHA					MUD ADDITIVES		
ITEM	ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY	
Polycrystalline Diamond Bit	BAKER HUGHES D406T SN:5271937 6 3/4", NOZZLE: 3X12 3X14	1		1.000	0.95	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	6.00 SX	63 SX	
						DRILL SURE		90 SX	
						BENTONITE 910		79 SX	
						BCI PRIMARY		6 DRUM	
						BCI SECONDARY		4 DRUM	
						BCI WETTING AGENT		5 DRUM	
						OIL ABSORB		16 SX	
						COPOLY BEADS	5.00 SX	101 SX	
						CALCIUM CHLORIDE		130 SX	
						PLASTIC WRAP		0 ROLL	
						PALLET			
BCI OBM RHEO MOD		0 DRUM							
BENTONITE 990		0 SX							
RIG WASH		3 DRUM							
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)		TOTAL LENGTH (ft)					
				11,843.81					
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)					
Density (ppg)	13.70	Bgas (gas u)	101	TGas (gas u)	2901	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)	
85.00	12.0	42.00/15.000	14.000/39.000	793.0	2.0/70,000	1.5700	25.60	2000	
								79.00/21.00	
								14.01	
								5.61/20.11	
								ASG (sg)	
								LIME (lbm/bbl)	
								2.00	
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: 10/18/2018

## Daily Drilling Partner Report

DFS: 49 EST DAYS:

BHA NO.	14	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	25.61	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		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		SN RY500027 - 5.25" 6/7 10.3 1.5 DEG 6 1/4" I.B. STAB	1	5.250	3.640	31.50	TRUCKING										
Polycrystalline Diamond Bit		BAKER HUGHES D406T SN:5271937 6 3/4", NOZZLE: 3X12 3X14	1		1.000	0.95	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		63 SX								
							DRILL SURE		90 SX								
							BENTONITE 910		79 SX								
							BCI PRIMARY		6 DRUM								
							BCI SECONDARY		4 DRUM								
							BCI WETTING AGENT		5 DRUM								
							OIL ABSORB		16 SX								
							COPOLY BEADS		101 SX								
							CALCIUM CHLORIDE		130 SX								
							PLASTIC WRAP		0 ROLL								
							PALLET										
							BCI OBM RHEO MOD		0 DRUM								
							BENTONITE 990		0 SX								
							RIG WASH		3 DRUM								
							TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)		TOTAL LENGTH (ft)						
							12,000.0		7,500.0		11,843.81						
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)													
210.0		270.0		140.0													
Density (ppg)		13.70	Bgas (gas u)	275	TGas (gas u)	3050	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)				
80.00	12.0	40.00/15.000	15.000/35.000	816.0	2.0/70,000	1.5700	25.60	2000	79.00/21.00	14.61	5.61/20.11	--	2.60				
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 INTERMEDIATE																	

# 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: 10/19/2018

## Daily Drilling Partner Report

DFS: 50 EST DAYS:

RPT NO.	OPERATOR	FIELD NAME	RIG NAME/NO	TMD	TVD	FOOTAGE	ROP(Last)	AVG ROP
51	OASIS PETROLEUM PERMIAN LLC	PHANTOM WOLFCAMP	NABORS X50	20,000.0 usf	11,588.6 usf	737.0 usft	25.0 ft/hr	31.4 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	DRILL PROTECT				
CURRENT STATUS	TARGET FORMATION			KB ELEV				
DRILLING AHEAD.	WOLFCAMP			2,794.0 usft				
24 HR FORECAST	SAFETY MEETING TOPIC			ACC LST 24 HRS?				
DRILL 6.75" LATERAL WITH STEERABLE ASSEMBLY.	OPERATE MANLIFT SAFELY			No				
24 HR OPERATIONS SUMMARY								
DRILLING AHEAD.								
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	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	BAKER HUGHES/PETROLITE	CF613	5271937	3 / 12, 3 / 14 / 0.782	15.0/22.0	70/80	19,128.0 20,545.0	737.0 872.0	23.50 28.50	31.4 30.6	---

### OPERATION DETAILS

Total Hours 24.00

HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION
06:00 - 09:00	3.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 19,263' T/ 19,365' - 102 @ 34 HR AVG. WOB 20K, TDRPM 70 TOTAL RPM 292, GPM 270, TRQ ON 12 K, OFF 7K, DIFF 600, SPP 6500, OFF BTM 5900 PSI MWT 13.7 IN/OUT SAMPLE 90 SH 10 LS
09:00 - 10:00	1.00	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 19,365' T/ 19,387' 22' @ 22 FPH WOB 25 KLBS, SPP 5250 PSI, DIFF 250 PSI, FLOW RATE 270, TF 90°L
10:00 - 12:30	2.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 19,387' T/ 19,465' - 78 @ 31.2 HR AVG. WOB 20K, TDRPM 70 TOTAL RPM 288 GPM 270, TRQ ON 13K, OFF 7K, DIFF 1000 SPP 6550, OFF BTM 5550 PSI MWT 13.7 IN/OUT
12:30 - 14:00	1.50	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 19,465' T/ 19,483' 18' @ 12 FPH WOB 20/30K, SPP 5250 PSI, DIFF 300PSI, GPM 270 , GTF 90L
14:00 - 18:00	4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 19,483' T/ 19,621' - 138 @ 34 HR AVG. WOB 22K, TDRPM 70 TOTAL RPM 288 GPM 270, TRQ ON 13K, OFF 7K, DIFF 1000 SPP 6550, OFF BTM 5550 PSI MWT 13.7 IN/OUT
18:00 - 22:00	4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 19,621' T/ 19,730' - 109' @ 27' HR AVG. WOB 20K, TDRPM 70 TOTAL RPM 288 GPM 270, TRQ ON 13K, OFF 7K, DIFF 1000 SPP 6550, OFF BTM 5550 PSI MWT 13.7 IN/OUT
22:00 - 03:00	5.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 19,730' T/ 19,930' - 200 @ 50' HR AVG. WOB 21K, TDRPM 70 TOTAL RPM 288 GPM 270, TRQ ON 13K, OFF 7K, DIFF 1000 SPP 6550, OFF BTM 5550 PSI MWT 13.7 IN/OUT
03:00 - 04:00	1.00	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 19,930' T/ 19,942' 12' @ 12 FPH WOB 26K, SPP 5560 PSI, DIFF 320PSI, GPM 270 , HSTF
04:00 - 06:00	2.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 19,942' T/ 20,000' - 58 @ 29' HR AVG. WOB 21K, TDRPM 70 TOTAL RPM 288 GPM 270, TRQ ON 13K, OFF 7K, DIFF 1000 SPP 6550, OFF BTM 5550 PSI MWT 13.7 IN/OUT

COMMENT: RIG OFF LOCATION: 10-25-18 EST.

### SURVEY DATA

LAST SURVEY@19,922.0 N/S

-8,124.4

E/W

2,222.5

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
18,988.0	87.18	168.94	11,577.4	7,492.1	0.11	-7,236.3	1,942.0	19,475.0	91.34	160.58	11,590.9	7,978.1	2.68	-7,707.0	2,063.0
19,078.0	87.18	169.21	11,581.8	7,581.8	0.30	-7,324.6	1,959.1	19,564.0	90.86	159.49	11,589.2	8,066.7	1.34	-7,790.6	2,093.4
19,117.0	87.49	169.43	11,583.6	7,620.7	0.97	-7,362.9	1,966.3	19,653.0	91.44	159.16	11,587.4	8,155.2	0.75	-7,873.9	2,124.8
19,206.0	88.18	166.53	11,587.0	7,709.5	3.35	-7,449.8	1,984.8	19,743.0	91.72	159.42	11,584.9	8,244.6	0.42	-7,958.0	2,156.6
19,296.0	88.62	164.12	11,589.5	7,799.5	2.72	-7,536.9	2,007.6	19,832.0	90.48	158.57	11,583.2	8,333.0	1.69	-8,041.1	2,188.5
19,385.0	89.14	161.56	11,591.2	7,888.4	2.93	-7,621.9	2,033.8	19,922.0	86.97	157.10	11,585.2	8,422.2	4.23	-8,124.4	2,222.5

BHA NO.	14	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	8,944.99	BULK BARITE	4.00 TON	46 TON
Cross Over		XO	1	4.750	2.810	3.61	BULK FW GEL		0 TON
Agitator		AG	1	4.750	3.750	25.61	MUD ENGINEER	1.00 DAY	0 DAY
Cross Over		XO		4.750	3.750	3.58	SODA ASH		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: 10/19/2018

## Daily Drilling Partner Report

DFS: 50 EST DAYS:

BHA NO.	14	BHA					MUD ADDITIVES									
ITEM		ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY							
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	2.00 SX	143 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		SN RY500027 - 5.25" 6/7 10.3 1.5 DEG 6 1/4" I.B. STAB	1	5.250	3.640	31.50	TRUCKING									
Polycrystalline Diamond Bit		BAKER HUGHES D406T SN:5271937 6 3/4", NOZZLE: 3X12 3X14	1		1.000	0.95	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		63 SX							
							DRILL SURE	1.00 SX	89 SX							
							BENTONITE 910		79 SX							
							BCI PRIMARY		6 DRUM							
							BCI SECONDARY		4 DRUM							
							BCI WETTING AGENT	1.00 DRUM	4 DRUM							
							OIL ABSORB		16 SX							
							COPOLY BEADS	17.00 SX	84 SX							
							CALCIUM CHLORIDE	4.00 SX	146 SX							
							PLASTIC WRAP		0 ROLL							
							PALLET									
							BCI OBM RHEO MOD		0 DRUM							
							BENTONITE 990		0 SX							
							RIG WASH		3 DRUM							
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)				TOTAL LENGTH (ft)										
13,000.0		7,500.0				11,843.81										
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)												
205.0		270.0		125.0												
Density (ppg)		13.70	Bgas (gas u)	102	TGas (gas u)	3050	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)			
78.00	1,312.0	37.00/13.000	13.000/29.000	789.0	2.0/70,000	1.5700	24.50	2000	80.00/20.00	14.55	5.47/19.98	--	2.14			
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: 10/20/2018

## Daily Drilling Partner Report

DFS: 51 EST DAYS:

RPT NO. 52	OPERATOR OASIS PETROLEUM PERMIAN LLC	FIELD NAME PHANTOM WOLFCAMP	RIG NAME/NO NABORS X50	TMD 20,545.0 usf	TVD 11,583.3 usf	FOOTAGE 545.0 usft	ROP(Last) 25.0 ft/hr	AVG ROP 24.2 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 DRILL LAT BHA # 8				
CURRENT STATUS DRILLING AHEAD	TARGET FORMATION WOLFCAMP			KB ELEV 2,794.0 usft				
24 HR FORECAST DRILL 6.75" LATERAL WITH STEERABLE ASSEMBLY.	SAFETY MEETING TOPIC TRIP HAZARDS			ACC LST 24 HRS? No				
24 HR OPERATIONS SUMMARY DRILLING AHEAD F/20000 T/ 20545'MD.								
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 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	BAKER HUGHES/PETROLITE	CF613	5271937	3 / 12, 3 / 14 / 0.782	18.0/25.0	70/90	19,128.0 20,545.0	545.0 1,417.0	22.50 51.00	24.2 27.8	---

### OPERATION DETAILS

Total Hours 24.00

HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION
06:00 - 08:30	2.50	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 20,000' T/ 20,022' 22" @ 8.8FPH WOB 20K, SPP 5560 PSI, DIFF 200 PSI, GPM 270 ,
08:30 - 10:30	2.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 20,022' T/ 20,080' - 58 @ 29' HR AVG. WOB 25K, TDRPM 70 TOTAL RPM 288 GPM 270, TRQ ON 14K, OFF 9K, DIFF 1000 SPP 6550, OFF BTM 5550 PSI BACK REAM CONNECTIONS
10:30 - 12:30	2.00	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 20,080' T/ 20,107' 27" @ 13.5FPH WOB 20K, SPP 5560 PSI, DIFF 200 PSI, GPM 270 , TF HIGH SIDE
12:30 - 13:30	1.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 20,107' T/ 20,160' - 53 @ 53' HR AVG. WOB 25K, TDRPM 70 TOTAL RPM 288 GPM 270, TRQ ON 14K, OFF 9K, DIFF 1000 SPP 6550, OFF BTM 5550 PSI BACK REAM CONNECTIONS
13:30 - 14:00	0.50	LATDR	CIRCULATING	HOLE CONDITIONING	CIRCULATE AND CLEAN HOLE
14:00 - 14:30	0.50	LATDR	RIG SERVICE ALOTTED	RIG SERVICE	RIG AND TOP DRIVE SERVICE
14:30 - 18:00	3.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 20,160' T/ 20,285' - 125 @ 35' HR AVG. WOB 25K, TDRPM 70 TOTAL RPM 288 GPM 270, TRQ ON 14K, OFF 9K, DIFF 1000 SPP 6550, OFF BTM 5550 PSI BACK REAM CONNECTIONS
18:00 - 22:00	4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 20,285' T/ 20,400' - 115 @ 28' HR AVG. WOB 25K, TDRPM 80 TOTAL RPM 298 GPM 270, TRQ ON 14K, OFF 9K, DIFF 900 SPP 6450, OFF BTM 5550 PSI BACK REAM CONNECTIONS SAMPLE 100% SH
22:00 - 02:00	4.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 20,400' T/ 20,500 - 100 @ 25' HR AVG. WOB 25K, TDRPM 80 TOTAL RPM 298 GPM 270, TRQ ON 14K, OFF 9K, DIFF 900 SPP 6450, OFF BTM 5550 PSI BACK REAM CONNECTIONS SAMPLE 100% SH
02:00 - 02:30	0.50	LATDR	CIRCULATING	HOLE CONDITIONING	PERFORM CLEAN UP CYCLE.
02:30 - 03:30	1.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 20,500' T/ 20,516 - 16 @ 16 HR AVG. WOB 25K, TDRPM 80 TOTAL RPM 298 GPM 270, TRQ ON 14K, OFF 9K, DIFF 900 SPP 6450, OFF BTM 5550 PSI BACK REAM CONNECTIONS SAMPLE 100% SH
03:30 - 05:00	1.50	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 20,516' T/ 20,528' 12" @ 9FPH WOB 22K, SPP 5560 PSI, DIFF 260 PSI, GPM 270 , TF 90R
05:00 - 06:00	1.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 20,528 T/ 20,545 - 27' @ 27 HR AVG. WOB 25K, TDRPM 80 TOTAL RPM 298 GPM 270, TRQ ON 14K, OFF 9K, DIFF 900 SPP 6450, OFF BTM 5550 PSI BACK REAM CONNECTIONS SAMPLE 100% SH

COMMENT: RIG OFF LOCATION: 10-25-18 EST.

### SURVEY DATA

LAST SURVEY@20,459.0 N/S

-8,630.7

E/W

2,400.3

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
19,475.0	91.34	160.58	11,590.9	7,978.1	2.68	-7,707.0	2,063.0	20,012.0	88.14	157.70	11,589.0	8,511.2	1.46	-8,207.4	2,257.0

# 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: 10/20/2018

## Daily Drilling Partner Report

DFS: 51 EST DAYS:

SURVEY DATA										LAST SURVEY@20,459.0 N/S				-8,630.7	E/W	2,400.3			
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.	14		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	8,944.99	BULK BARITE			46 TON						
Cross Over		XO				1	4.750	2.810	3.61	BULK FW GEL			0 TON						
Agitator		AG				1	4.750	3.750	25.61	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		6.00 SX	137 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		SN RY500027 - 5.25" 6/7 10.3 1.5 DEG 6 1/4" I.B. STAB				1	5.250	3.640	31.50	TRUCKING									
Polycrystalline Diamond Bit		BAKER HUGHES D406T SN:5271937 6 3/4", NOZZLE: 3X12 3X14				1		1.000	0.95	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		1.00 SX	62 SX						
										DRILL SURE		1.00 SX	88 SX						
										BENTONITE 910			79 SX						
										BCI PRIMARY			6 DRUM						
										BCI SECONDARY			4 DRUM						
										BCI WETTING AGENT		1.00 DRUM	3 DRUM						
										OIL ABSORB			16 SX						
										COPOLY BEADS			84 SX						
										CALCIUM CHLORIDE		2.00 SX	144 SX						
										PLASTIC WRAP			0 ROLL						
										PALLET									
										BCI OBM RHEO MOD			0 DRUM						
										BENTONITE 990			0 SX						
										RIG WASH			3 DRUM						
										TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)				TOTAL LENGTH (ft)			
14,000.0		10,000.0				11,843.81													
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)															
210.0		270.0		150.0															
Density (ppg)	13.66		Bgas (gas u)	102		TGas (gas u)	3050		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)		
74.00	11.0	33.00/12.000		13.000/24.000		799.0	2.0/70,000		1.5700	24.20		2000	80.00/20.00	14.42	5.24/20.14	--	2.27		
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: 10/21/2018

## Daily Drilling Partner Report

DFS: 52 EST DAYS:

RPT NO. 53	OPERATOR OASIS PETROLEUM PERMIAN LLC	FIELD NAME PHANTOM WOLFCAMP	RIG NAME/NO NABORS X50	TMD 20,656.0 usf	TVD 11,579.7 usf	FOOTAGE 111.0 usft	ROP(Last) 0.0 ft/hr	AVG ROP 12.3 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 DRILL LAT BHA 8				
CURRENT STATUS CHANGE BHA			TARGET FORMATION WOLFCAMP			KB ELEV 2,794.0 usft		
24 HR FORECAST TIH, DRILL AHEAD IN 6.75" LATERAL SECTION.			SAFETY MEETING TOPIC DROPPED OBJECT PREVENTION		ACC LST 24 HRS? No			
24 HR OPERATIONS SUMMARY DRILLING AHEAD.T/20656' CIRCULATE, TOH DUE TO LOW ROP.								
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 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 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	BAKER HUGHES/PETROLITE	CF613	5271937	3 / 12, 3 / 14 / 0.782	18.0/25.0	70/90	19,128.0 20,656.0	111.0 1,528.0	9.00 60.00	12.3 25.5	8-2-X- 1-PR

### OPERATION DETAILS

Total Hours 24.00

HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION
06:00 - 09:00	3.00	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 20,545 T/ 20,605 - 60' @ 20 HR AVG. WOB 24K, TDRPM 80 TOTAL RPM 298 GPM 270, TRQ ON 14K, OFF 9K, DIFF 1200 SPP 6550, OFF BTM 5650 PSI BACK REAM CONNECTIONS
09:00 - 10:30	1.50	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE DRILL F/ 20,605' T/ 20,621 - 16' @ 10.6 HR . WOB 24K, DIFF 100 TF 100 L
10:30 - 12:00	1.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 20,621' T/ 20,640' - 19' @ 12.6 HR AVG. WOB 24K, TDRPM 80 TOTAL RPM 298 GPM 270, TRQ ON 14K, OFF 9K, DIFF 1200 SPP 6550, OFF BTM 5650 PSI BACK REAM CONNECTIONS
12:00 - 14:30	2.50	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE DRILL F/ 20,640' T/ 20,654' - 14' @ 5.6 HR . WOB 30K, DIFF 150 TF 100 L
14:30 - 15:00	0.50	LATDR	DRILLING	NEW HOLE ROTARY	DRILL AHEAD F/ 20,654' T/ 20,656' - 2' @ 4 HR AVG. WOB 24K, TDRPM 80/100 TOTAL RPM 298 GPM 270, TRQ ON 14/17K, OFF 9K, DIFF 300 SPP 6550, OFF BTM 5650 PSI
15:00 - 17:00	2.00	LATDR	CIRCULATING	HOLE CONDITIONING	CIRCULATE - BUILD SLUG
17:00 - 17:30	0.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	FLOW CHECK PUMP SLUG
17:30 - 23:00	5.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	POOH T/11,611' MONITOR WELL ON TRIP TANK. 30K MAX OVER PULL
23:00 - 23:30	0.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	PJSM-REMOVE ROTATING HEAD AND THEN INSTALL TRIP NIPPLE FLOW CHECK (STATIC)
23:30 - 04:30	5.00	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	PJSM-POOH F/11,611' T/BHA. MONITOR WELL ON TRIP TANK. FLOW CHECK (STATIC)
04:30 - 06:00	1.50	LATDR	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	PJSM-HDT. L/D BHA.

COMMENT: RIG OFF LOCATION: 10-28-18 EST.

### SURVEY DATA

LAST SURVEY@20,548.0 N/S

-8,715.8

E/W

2,426.1

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
19,564.0	90.86	159.49	11,589.2	8,066.7	1.34	-7,790.6	2,093.4	20,101.0	91.20	160.84	11,589.5	8,599.7	4.93	-8,290.7	2,288.5
19,653.0	91.44	159.16	11,587.4	8,155.2	0.75	-7,873.9	2,124.8	20,191.0	90.65	162.02	11,588.1	8,689.4	1.45	-8,376.0	2,317.1
19,743.0	91.72	159.42	11,584.9	8,244.6	0.42	-7,958.0	2,156.6	20,280.0	90.38	161.62	11,587.3	8,778.3	0.54	-8,460.5	2,344.9
19,832.0	90.48	158.57	11,583.2	8,333.0	1.69	-8,041.1	2,188.5	20,370.0	90.38	161.12	11,586.7	8,868.0	0.56	-8,545.8	2,373.7
19,922.0	86.97	157.10	11,585.2	8,422.2	4.23	-8,124.4	2,222.5	20,459.0	91.34	164.01	11,585.4	8,956.9	3.42	-8,630.7	2,400.3
20,012.0	88.14	157.70	11,589.0	8,511.2	1.46	-8,207.4	2,257.0	20,548.0	91.75	162.25	11,583.0	9,045.8	2.03	-8,715.8	2,426.1

BHA NO.	14	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	8,944.99	BULK BARITE	3.00 TON	43 TON	
Cross Over		XO	1	4.750	2.810	3.61	BULK FW GEL		0 TON	
Agitator		AG	1	4.750	3.750	25.61	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	



# 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: 10/21/2018

## Daily Drilling Partner Report

DFS: 52 EST DAYS:

BHA NO.	14	BHA					MUD ADDITIVES										
ITEM		ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY								
Drill Pipe		DP	4	4.750	4.080	178.95	MF55		0 PL								
Cross Over		XO	1	4.750	2.750	3.68	LIME	12.00 SX	125 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		8SN RY500027 - 5.25" 6/7 10.3 1.5 DEG 6 1/4" I.B. STAB	1	5.250	3.640	31.50	TRUCKING										
Polycrystalline Diamond Bit		BAKER HUGHES D406T SN:5271937 6 3/4", NOZZLE: 3X12 3X14	1		1.000	0.95	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	1.00 SX	61 SX								
							DRILL SURE		88 SX								
							BENTONITE 910		79 SX								
							BCI PRIMARY		6 DRUM								
							BCI SECONDARY		4 DRUM								
							BCI WETTING AGENT	1.00 DRUM	2 DRUM								
							OIL ABSORB		16 SX								
							COPOLY BEADS	30.00 SX	54 SX								
							CALCIUM CHLORIDE	1.00 SX	143 SX								
							PLASTIC WRAP		0 ROLL								
							PALLET										
							BCI OBM RHEO MOD		0 DRUM								
							BENTONITE 990		0 SX								
							RIG WASH		3 DRUM								
							TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)		TOTAL LENGTH (ft)						
							14,000.0		10,000.0		11,843.81						
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)													
210.0		270.0		150.0													
Density (ppg)		13.70	Bgas (gas u)	102	TGas (gas u)	3050	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)				
77.00	11.5	34.00/10.000	13.000/27.000	800.0	2.0/70,000	1.5700	24.40	2000	80.00/20.00	14.44	4.97/20.44	--	2.14				
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: 10/22/2018

## Daily Drilling Partner Report

DFS: 53 EST DAYS:

BHA NO.		BHA					MUD ADDITIVES		
ITEM	ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY	
Polycrystalline Diamond Bit	HALLIBURTON GT64D SN:12965200 6 3/4", NOZZLE: 5 X 15	1	4.750	1.000	0.96	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		61 SX	
						DRILL SURE		88 SX	
						BENTONITE 910		79 SX	
						BCI PRIMARY		6 DRUM	
						BCI SECONDARY		4 DRUM	
						BCI WETTING AGENT		2 DRUM	
						OIL ABSORB		16 SX	
						COPOLY BEADS		54 SX	
						CALCIUM CHLORIDE		143 SX	
						PLASTIC WRAP		0 ROLL	
						PALLET			
BCI OBM RHEO MOD		0 DRUM							
BENTONITE 990		0 SX							
RIG WASH		3 DRUM							
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)		TOTAL LENGTH (ft)					
14,000.0		10,000.0		11,847.05					
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)					
210.0		270.0		150.0					
Density (ppg)	13.65	Bgas (gas u)	102	TGas (gas u)	3050	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	10.5	35.00/12.000	11.000/26.000	813.0	2.0/70,000	1.5700	24.10	2000	
								80.00/20.00	
								14.45	
								4.97/20.44	
								ASG (sg)	
								LIME (lbm/bbl)	
								2.01	
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									

**AFE4711**

Well ID: 18246

DFS: 54 EST DAYS:

COMMENT: RIG OFF LOCATION: 10-29-18 EST.

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: 10/23/2018

## Daily Drilling Partner Report

DFS: 54 EST DAYS:

BHA NO.	15	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	8,944.99	BULK BARITE	2.00 TON	41 TON
Cross Over		XO	1	4.750	2.810	3.61	BULK FW GEL		0 TON
Agitator		AG	1	4.750	3.750	25.61	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	5.00 SX	120 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	5.57	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	4.750	2.250	5.80	IRON WOOD MEDIUM		0 SX
Steerable Motor		8SN RY500043 - 5.25" 6/7 10.3 1.5 DEG 6 1/4" I.B. STAB	1	5.250	3.640	31.48	TRUCKING		
Polycrystalline Diamond Bit		HALLIBURTON GT64D SN:12965200 6 3/4", NOZZLE: 5 X 15	1	4.750	1.000	0.96	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	1.00 SX	60 SX
							DRILL SURE		88 SX
							BENTONITE 910		79 SX
							BCI PRIMARY		6 DRUM
							BCI SECONDARY		4 DRUM
							BCI WETTING AGENT	1.00 DRUM	1 DRUM
							OIL ABSORB		16 SX
							COPOLY BEADS	5.00 SX	49 SX
							CALCIUM CHLORIDE	2.00 SX	141 SX
							PLASTIC WRAP		0 ROLL
							PALLET		
							BCI OBM RHEO MOD		0 DRUM
							BENTONITE 990		0 SX
							RIG WASH		3 DRUM
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)		TOTAL LENGTH (ft)					
13,000.0		8,000.0		11,847.05					
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)	STRING WEIGHT DWN (kip)						
190.0		270.0	140.0						

Density (ppg)		13.65	Bgas (gas u	127	TGas (gas u	3050	MUD CHECK		MUD LOST (bbl)				
FV (s/qt)	WL HTHP (cc/30min)	PV/YP (cp)/(lbf/100ft²)	GELS (lbf/100ft²)	ES	FC(32nd") /CI(ppm)	Salt(%)	CORR(%)	CA(ppm)	OIL/WAT	ECD(ppg)	LGS/HGS (%)	ASG (sg)	LIME (lbm/bbl)
77.00	10.3	34.00/11.000	12.000/27.000	808.0	2.0/70,000	1.5700	21.00	2000	80.00/20.00	14.45	4.93/20.28	--	2.01

### 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: 10/24/2018

## Daily Drilling Partner Report

DFS: 55 EST DAYS:

RPT NO. 56	OPERATOR OASIS PETROLEUM PERMIAN LLC	FIELD NAME PHANTOM WOLFCAMP	RIG NAME/NO NABORS X50	TMD 21,258.0 usft	TVD 11,540.2 usft	FOOTAGE 203.0 usft	ROP(Last) 0.0 ft/hr	AVG ROP 17.7 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 TD REACHED	RIG RELEASE 7/10/2018 3:00:00AM	REPORT DESCRIPTION DRILL LAT BHA 9				
CURRENT STATUS TOH	TARGET FORMATION WOLFCAMP			KB ELEV 2,794.0 usft				
24 HR FORECAST TOH, L/D DP AND BHA	SAFETY MEETING TOPIC WORKING IN COLD WEATHER			ACC LST 24 HRS? No				
24 HR OPERATIONS SUMMARY DRILL AHEAD IN 6.75" LATERAL SECTION PER PLAN. TD @ 21258'MD. CIRCULATE,TOH.								
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 10/22/2018	AUTH TMD 24,645.0 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
9	6.750	HALLIBURTON ENERGY SERVICES INC	GT64D	12965200	6 / 14 / 0.604	22.0/25.0	70/90	20,656.0 21,258.0	203.0 602.0	11.50 27.00	17.7 22.3	8-2-X- 1-PR

### OPERATION DETAILS

Total Hours 24.00

HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION
06:00 - 07:00	1.00	LATDR	DRILLING	NEW HOLE ROTARY	ROTARY DRILL F/ 21,055 T/ 21,075- 20' @ 20 FT/HR PARAMETERS: 21K WOB, 265 GPM, 6300 SPP, 650DIFF, 70 TDRPM, 290 MMRPM 13K/8K TRQ ON/OFF, 270K P/U WT, 140K S/O WT, 190K ROT WT, 13.7 PPG MWT IN/OUT BACK REAM CONNECTIONS
07:00 - 08:00	1.00	LATDR	DRILLING	NEW HOLE SLIDING	SLIDE F/ 20,075' T/ 21,084 9' @ 9 FPH WOB 20 KLBS, SPP 6000 PSI, DIFF 200 PSI, FLOW RATE 270, TF 90° R
08:00 - 13:00	5.00	LATDR	DRILLING	NEW HOLE ROTARY	ROTARY DRILL F/ 21,084 T/ 21,176- 92' @ 18.4FT/HR PARAMETERS: 25K WOB, 260 GPM, 600 SPP, 650DIFF, 70 TDRPM, 290 MMRPM 13K/8K TRQ ON/OFF, 270K P/U WT, 140K S/O WT, 190K ROT WT, 13.7 PPG MWT IN/OUT BACK REAM CONNECTIONS
13:00 - 13:30	0.50	LATDR	RIG SERVICE ALOTTED	RIG SERVICE	CHANGE OVER TO MUD PUMP #2 ( PUMP FAILED ) CHANGE OVER TO PUMP # 1
13:30 - 18:00	4.50	LATDR	DRILLING	NEW HOLE ROTARY	ROTARY DRILL F/ 21,176 T/ 21,258 - 82' @ 18.2FT/HR REACHED TD. PARAMETERS: 10/25K WOB, 260 GPM, 6600 SPP, 900DIFF, 70/90 TDRPM, 290 MMRPM 14K/9K TRQ ON/OFF, 270K P/U WT, 110K S/O WT, 210K ROT WT, 13.7 PPG MWT IN/OUT BACK REAM CONNECTIONS SAMPLE @ 21200' 90% SH 5% LS 5% SLTST
18:00 - 05:00	11.00	LATRE	CIRCULATING	HOLE CONDITIONING	CIRCULATE AND CLEAN HOLE. PERFORM CLEAN UP CYCLES. SET BACK 1 STAND PER BOTTOMS UP. 7 BOTTOMS UP TOTAL. SPOT BEADS IN LATERAL.
05:00 - 05:30	0.50	LATRE	CIRCULATING	HOLE CONDITIONING	FLOW CHECK (STATIC), PUMP SLUG.
05:30 - 06:00	0.50	LATRE	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	PJSM-TOOH F/20,626' T/20,090' MONITOR WELL ON TRIP TANK.

COMMENT: RIG OFF LOCATION: 10-29-18 EST.

### SURVEY DATA

LAST SURVEY@21,200.0 N/S

-9,314.4

E/W

2,680.3

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
20,280.0	90.38	161.62	11,587.3	8,778.3	0.54	-8,460.5	2,344.9	20,818.0	92.37	157.13	11,576.3	9,312.6	2.69	-8,964.2	2,531.3
20,370.0	90.38	161.12	11,586.7	8,868.0	0.56	-8,545.8	2,373.7	20,908.0	91.65	154.05	11,573.2	9,401.2	3.51	-9,046.1	2,568.5
20,459.0	91.34	164.01	11,585.4	8,956.9	3.42	-8,630.7	2,400.3	20,997.0	93.75	157.84	11,569.0	9,488.9	4.86	-9,127.3	2,604.7
20,548.0	91.75	162.25	11,583.0	9,045.8	2.03	-8,715.8	2,426.1	21,086.0	95.96	158.02	11,561.4	9,576.8	2.49	-9,209.4	2,638.0
20,640.0	90.48	156.52	11,581.2	9,137.2	6.38	-8,801.9	2,458.5	21,175.0	97.14	158.10	11,551.3	9,664.5	1.33	-9,291.5	2,671.1
20,729.0	91.69	154.83	11,579.5	9,224.9	2.34	-8,883.0	2,495.1	21,200.0	97.79	158.02	11,548.0	9,689.0	2.62	-9,314.4	2,680.3

BHA NO.	15	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	8,944.99	BULK BARITE	6.00 TON	35 TON
Cross Over	XO	1	4.750	2.810	3.61	BULK FW GEL		0 TON
Agitator	AG	1	4.750	3.750	25.61	MUD ENGINEER	1.00 DAY	0 DAY
Cross Over	XO		4.750	3.750	3.58	SODA ASH		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: 10/24/2018

## Daily Drilling Partner Report

DFS: 55 EST DAYS:

BHA NO.	15	BHA					MUD ADDITIVES									
ITEM		ITEM DESCRIPTION	JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY							
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	12.00 SX	108 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	5.57	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	4.750	2.250	5.80	IRON WOOD MEDIUM		0 SX							
Steerable Motor		8SN RY500043 - 5.25" 6/7 10.3 1.5 DEG 6 1/4" I.B. STAB	1	5.250	3.640	31.48	TRUCKING									
Polycrystalline Diamond Bit		HALLIBURTON GT64D SN:12965200 6 3/4", NOZZLE: 5 X 15	1	4.750	1.000	0.96	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	1.00 SX	59 SX							
							DRILL SURE		88 SX							
							BENTONITE 910		79 SX							
							BCI PRIMARY		6 DRUM							
							BCI SECONDARY		4 DRUM							
							BCI WETTING AGENT		1 DRUM							
							OIL ABSORB		16 SX							
							COPOLY BEADS		49 SX							
							CALCIUM CHLORIDE		141 SX							
							PLASTIC WRAP		0 ROLL							
							PALLET									
							BCI OBM RHEO MOD		0 DRUM							
							BENTONITE 990		0 SX							
							RIG WASH		3 DRUM							
							TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)				TOTAL LENGTH (ft)			
							14,000.0		11,000.0				11,847.05			
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)		STRING WEIGHT DWN (kip)												
210.0		260.0		90.0												
Density (ppg)		13.70	Bgas (gas u)	127	TGas (gas u)	3050	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)			
73.00	10.0	34.00/10.000	11.000/25.000	814.0	2.0/70,000	1.5700	24.20	2000	80.00/20.00	14.45	4.97/20.44	--	2.01			
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: 10/25/2018

## Daily Drilling Partner Report

DFS: 56 EST DAYS:

RPT NO.	OPERATOR	FIELD NAME	RIG NAME/NO	TMD	TVD	FOOTAGE	ROP(Last)	AVG ROP
57	OASIS PETROLEUM PERMIAN LLC	PHANTOM WOLFCAMP	NABORS X50	21,258.0 usf	11,540.2 usf	--	--	0.0 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	POOH LD DRILL PIPE				
CURRENT STATUS	TARGET FORMATION			KB ELEV				
INSTALL TRIPPING NIPPLE.	WOLFCAMP			2,794.0 usft				
24 HR FORECAST	SAFETY MEETING TOPIC			ACC LST 24 HRS?				
TIH WITH REMAINING DP STANDS, POOH LAYING DOWN SINGLES, PULL WEAR BUSH	LAYING DOWN DP			No				
24 HR OPERATIONS SUMMARY								
POOH F/ 20,090' TO 12,978', FLOW CHECK, POOH LAYING DOWN DP TO 1,944', LAY OUT AGITATOR, CONT LAY DOWN TO 800', FLOW CHECK, CONTINUE TO LAY OUT TO DRILL & REAM, L/D SAME, L/D 4 JTS TO BHA, LAY OUT BHA, RIH WITH 20 STDS DP, SLIP & CUT, POOH LAYING DOWN DP								
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	10/22/2018	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
9	6.750	HALLIBURTON ENERGY SERVICES INC	GT64D	12965200	6 / 14 / 0.604	--/--	--/--	20,656.0 21,258.0	-- --	-- --	-- --	8-2-X- 1-PR

### OPERATION DETAILS

Total Hours 24.00

HOURS	DURATION (hr)	PHASE	CODE	SUBCODE	DESCRIPTION
06:00 - 11:30	5.50	LATRE	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	POOH F/ 20,090' TO 12,748' - FLOW CHECK
11:30 - 19:00	7.50	LATRE	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	POOH LAYING DOWN DP F/12,748' TO 1944', LAY DOWN AGITATOR CONT LAY DOWN DP TO 800'
19:00 - 19:30	0.50	LATRE	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	FLOW CHECK WELL, STATIC
19:30 - 21:30	2.00	LATRE	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	POOH LAYING DOWN DP F/ 800' TO BHA. LAY DOWN DRILL & REAM TOOL.
21:30 - 23:30	2.00	LATRE	TRIP IN / TRIP OUT	PU / LD TOOLS / BHA	LAY DOWN BIT AND ALL BHA.
23:30 - 01:30	2.00	LATRE	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	CLEAR AND CLEAN RIG FLOOR. RIH WITH 20 STDS DP OPEN ENDED.
01:30 - 03:30	2.00	LATRE	CUT AND SLIP	CUT AND SLIP	SLIP AND CUT DRLG LINE.
03:30 - 04:00	0.50	LATRE	RIG SERVICE ALOTTED	RIG SERVICE	SERVICE TOP DRIVE.
04:00 - 06:00	2.00	LATRE	TRIP IN / TRIP OUT	TRIP IN / TRIP OUT	POOH AND LAY DOWN DP. 35 JTS. PULLED ROTATING HEAD, INSTALLED TRIPPING NIPPLE.

COMMENT: RIG OFF LOCATION: 10-31-18 EST.

### SURVEY DATA

LAST SURVEY@21,200.0 N/S

-9,314.4

E/W

2,680.3

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
20,280.0	90.38	161.62	11,587.3	8,778.3	0.54	-8,460.5	2,344.9	20,818.0	92.37	157.13	11,576.3	9,312.6	2.69	-8,964.2	2,531.3
20,370.0	90.38	161.12	11,586.7	8,868.0	0.56	-8,545.8	2,373.7	20,908.0	91.65	154.05	11,573.2	9,401.2	3.51	-9,046.1	2,568.5
20,459.0	91.34	164.01	11,585.4	8,956.9	3.42	-8,630.7	2,400.3	20,997.0	93.75	157.84	11,569.0	9,488.9	4.86	-9,127.3	2,604.7
20,548.0	91.75	162.25	11,583.0	9,045.8	2.03	-8,715.8	2,426.1	21,086.0	95.96	158.02	11,561.4	9,576.8	2.49	-9,209.4	2,638.0
20,640.0	90.48	156.52	11,581.2	9,137.2	6.38	-8,801.9	2,458.5	21,175.0	97.14	158.10	11,551.3	9,664.5	1.33	-9,291.5	2,671.1
20,729.0	91.69	154.83	11,579.5	9,224.9	2.34	-8,883.0	2,495.1	21,200.0	97.79	158.02	11,548.0	9,689.0	2.62	-9,314.4	2,680.3

BHA NO.	15	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	8,944.99	BULK BARITE	4.00 TON	31 TON	
Cross Over		XO	1	4.750	2.810	3.61	BULK FW GEL		0 TON	
Agitator		AG	1	4.750	3.750	25.61	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		108 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	5.57	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	4.750	2.250	5.80	IRON WOOD MEDIUM		0 SX	
Steerable Motor		8SN RY500043 - 5.25" 6/7 10.3 1.5 DEG 6 1/4" I.B. STAB	1	5.250	3.640	31.48	TRUCKING			
Polycrystalline Diamond Bit		HALLIBURTON GT64D SN:12965200 6 3/4", NOZZLE: 5 X 15	1	4.750	1.000	0.96	TAX	1.00		
							CAL CARB FINE		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: 10/25/2018

## Daily Drilling Partner Report

DFS: 56 EST DAYS:

BHA NO.		15		BHA					MUD ADDITIVES						
ITEM		ITEM DESCRIPTION			JTS	OD (in)	ID (in)	LENGTH (ft)	ITEM	USED	INVENTORY				
									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		59 SX				
									DRILL SURE		88 SX				
									BENTONITE 910		79 SX				
									BCI PRIMARY		6 DRUM				
									BCI SECONDARY		4 DRUM				
									BCI WETTING AGENT		1 DRUM				
									OIL ABSORB		16 SX				
									COPOLY BEADS		49 SX				
									CALCIUM CHLORIDE		141 SX				
									PLASTIC WRAP		0 ROLL				
									PALLET						
									BCI OBM RHEO MOD		0 DRUM				
									BENTONITE 990		0 SX				
									RIG WASH		3 DRUM				
TORQUE ON BTM (ft-lbf)		TORQUE OFF BTM (ft-lbf)						TOTAL LENGTH (ft)							
								11,847.05							
STRING WEIGHT (kip)		STRING WEIGHT UP (kip)			STRING WEIGHT DWN (kip)										
Density (ppg)		13.70		Bgas (gas u)	127		TGas (gas u)	3050		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	36.00/11.000	13.000/27.000	839.0	2.0/70,000	1.5700	24.10	2000	80.00/20.00	14.02	5.08/20.39	--	1.88		
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															









<b>UL 20 Sugarloaf 20-37-48 5104H</b> Lat: 31° 40' 38.136 N Long: 103° 15' 36.792 W										AFE4711  Well ID: 18246							
Report Date: 10/30/2018										DFS: 61 EST DAYS:							
<b>RPT NO.</b> 62		<b>OPERATOR</b> OASIS PETROLEUM PERMIAN LLC		<b>FIELD NAME</b> PHANTOM WOLFCAMP		<b>RIG NAME/NO</b> NABORS X50		<b>TMD</b> 21,258.0 usf		<b>TVD</b> 11,540.2 usf		<b>FOOTAGE</b> --		<b>ROP (Last)</b> --		<b>AVG ROP</b> 0.0 ft/hr	
<b>API</b> 4249534113		<b>STATE</b> TEXAS		<b>COUNTY</b> Winkler		<b>LOCATION</b> UL 20 Sugarloaf 20-37-48 5104H		<b>SIDETRACK NO</b> 00									
<b>PREVIOUS WELL RIG RELEASE</b> 09/25/2016 00:00		<b>SPUD DATE</b> 06/13/2018 16:30		<b>DATE TD REACHED</b> 10/23/2018 18:00		<b>RIG RELEASE</b> 7/10/2018 3:00:00AM		<b>REPORT DESCRIPTION</b> RELEASE RIG									
<b>CURRENT STATUS</b> PREPARING FOR DEMOB						<b>TARGET FORMATION</b> WOLFCAMP				<b>KB ELEV</b> 2,794.0 usft							
<b>24 HR FORECAST</b> CLEAN AND RIG DOWN PREPARING FOR DEMOB, WAIT ON TRUCKS AND CRANE.						<b>SAFETY MEETING TOPIC</b> FOCUS, LAST DAY OF HITCH				<b>ACC LST 24 HRS?</b> No							
<b>24 HR OPERATIONS SUMMARY</b> CLEAN MUD PITS, RIG DOWN IN PREPARATION FOR DEMOB. RELEASE RIG AT 1800 HRS ON 10/29/2018. -- RATTLESNAKE 6101H - CLEAN AND RIG DOWN IN PREPARATION FOR DEMOB																	
<b>RIG DIRECTIONS</b> 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																	
<b>LAST CASING</b> 5.500 in @ 21,232.0 usft				<b>NEXT CASING</b> 7.625 in @ 11,730.0 usft				<b>LAST BOP TEST</b> 10/22/2018		<b>AUTH TMD</b> 14,645.0 usft		<b>SUPERVISOR / ENGINEER</b> Dave Logan / TY TSCHACHER					
<b>BITS/BIT OPERATIONS</b>																	
<b>BIT NO</b>	<b>SIZE (in)</b>	<b>MANUF</b>	<b>MODEL</b>	<b>SERIAL #</b>	<b>JETS / TFA (32nd")</b>	<b>WOB (Min/Max) (kip)</b>	<b>RPM (Min/Max) (rpm)</b>	<b>DEPTH IN/OUT (usft)</b>	<b>FTG (Last/Cum) (usft)</b>	<b>HRS (Last/Cum) (hr)</b>	<b>ROP (Last/Cum) (ft/hr)</b>	<b>I-O-B-G-R</b>					
No Bit Ops Recorded Today																	
<b>OPERATION DETAILS</b>												Total Hours 24.00					
<b>HOURS</b>		<b>DURATION (hr)</b>		<b>PHASE</b>		<b>CODE</b>		<b>SUBCODE</b>		<b>DESCRIPTION</b>							
06:00 - 18:00		12.00		LATRE		RIG UP / DOWN / MOB		RIG MOVE		CONTINUE CLEANING MUD PITS, CONTINUE PREPARATIONS FOR RIG DEMOB.							
18:00 - 18:00		0.00								RIG RELEASED FROM SUGARLOAF 5104H @ 1800 HRS ON 10/29/2018							
18:00 - 06:00		12.00		MOB		RIG UP / DOWN / MOB		RIG MOVE		NEXT WELL RATTLESNAKE A 18-5-6 6101H CLEAN AND RIG DOWN EQUIPMENT PREPARING FOR DEMOB. LAY OVER PRAGMA - PERFORMED 3 MONTH TOPDRIVE INSP. - INSTALL 6" LINER IN LAST MUD PUMP.							
COMMENT: RIG OFF LOCATION: 11-1-18 EST.																	
<b>SURVEY DATA</b>																	
												LAST SURVEY @ 21,200.0 N/S -9,314.4 E/W 2,680.3					
<b>MD (usft)</b>	<b>INCL (°)</b>	<b>AZI (°)</b>	<b>TVD (usft)</b>	<b>VS (usft)</b>	<b>DLS (°/100ft)</b>	<b>N/S</b>	<b>E/W</b>	<b>MD (usft)</b>	<b>INCL (°)</b>	<b>AZI (°)</b>	<b>TVD (usft)</b>	<b>VS (usft)</b>	<b>DLS (°/100ft)</b>	<b>N/S</b>	<b>E/W</b>		
20,280.0	90.38	161.62	11,587.3	8,778.3	0.54	-8,460.5	2,344.9	20,818.0	92.37	157.13	11,576.3	9,312.6	2.69	-8,964.2	2,531.3		
20,370.0	90.38	161.12	11,586.7	8,868.0	0.56	-8,545.8	2,373.7	20,908.0	91.65	154.05	11,573.2	9,401.2	3.51	-9,046.1	2,568.5		
20,459.0	91.34	164.01	11,585.4	8,956.9	3.42	-8,630.7	2,400.3	20,997.0	93.75	157.84	11,569.0	9,488.9	4.86	-9,127.3	2,604.7		
20,548.0	91.75	162.25	11,583.0	9,045.8	2.03	-8,715.8	2,426.1	21,086.0	95.96	158.02	11,561.4	9,576.8	2.49	-9,209.4	2,638.0		
20,640.0	90.48	156.52	11,581.2	9,137.2	6.38	-8,801.9	2,458.5	21,175.0	97.14	158.10	11,551.3	9,664.5	1.33	-9,291.5	2,671.1		
20,729.0	91.69	154.83	11,579.5	9,224.9	2.34	-8,883.0	2,495.1	21,200.0	97.79	158.02	11,548.0	9,689.0	2.62	-9,314.4	2,680.3		
<b>BHA NO.</b>		<b>BHA</b>						<b>MUD ADDITIVES</b>						<b>TOTAL COST</b>			
No BHA/MUD Today																	
<b>Density (ppg)</b>		13.50		<b>Bgas (gas u)</b>		<b>TGas (gas u)</b>		<b>MUD CHECK</b>		<b>MUD LOST (bbl)</b>							
<b>FV (s/qt)</b>	<b>WL HTHP (cc/30min)</b>	<b>PV/YP (cp)/(lbf/100ft²)</b>		<b>GELS (lbf/100ft²)</b>		<b>ES</b>	<b>FC(32nd") /Cl(ppm)</b>		<b>Salt(%)</b>	<b>CORR(%)</b>	<b>CA(ppm)</b>	<b>OIL/WAT</b>	<b>ECD(ppg)</b>	<b>LGS/HGS (%)</b>	<b>ASG (sg)</b>	<b>LIME (lbm/bbl)</b>	
63.00	12.6	29.00/9.000		10.000/22.000		769.0	2.0/70,000		17.0600	23.60	2000	79.00/21.00	13.90	5.05/46.00	--	1.30	
<b>LAST CEMENT JOB</b>																	
<b>Finished cementing the</b> 2ND INTERMED 5104H		<b>from</b> 32.0'		<b>to</b> 21,232.0'		<b>on</b> 10/28/2018 06:13											
<b>FLUID NAME</b>	<b>DESCRIPTION</b>			<b>DENSITY(ppg)</b>	<b>VOLUME(bbl)</b>	<b>SACKS USED</b>	<b>FLUID NAME</b>	<b>DESCRIPTION</b>			<b>DENSITY(ppg)</b>	<b>VOLUME(bbl)</b>	<b>SACKS USED</b>				
TAIL SLURRY	VERSACEM			14.50	420.40	1,930											
NOTES: PRODUCTION CSG																	