DAILY DRILLING REPORT

RPT DATE: 11/19/2020
RPT NUM.: 31
RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME: FORGE 16A [78]-32
JOB: Drilling 65° Tangent
RIG SUPERV: Duane Winkler, Leroy Swearingen, Virgi
FIELD:
LEASE:
RIG PHONE: 281-854-6858
AFE #:
API #:
EMAIL:
CONTRACTOR: Frontier Drilling
ELEVATION: 5415.1
RKB:
SPUD DATE: 10/30/2020
DFS: 20
DOL: 30
MD/TVD: 5505
24 HR FTG: 10
HRS DRLG:
PRESENT OPERATIONS: 12 HOUR TEMPERATURE BUILD UP SURVEY TOOLS AT 5,501' MD. TOOL DEPTH AT 5,499'.
ACTIVITY PLANNED: COMPLETE TEMPERATURE SURVEY. TRIP OUT OF HOLE

BOP

LAST BOP TEST: 12/14/20 LAST BOP DRILL: 11/6/20 NEXT BOP TEST: 11/14/20

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Conductor	20.00	54	A53B	130	130
Surface	13.38	68	L-80	1,629	1,629
Intermediate	9.63	40	HCL-80	5,113	5,112

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
22:00	8.9	60.0	7.4	12.2	1	8	13	23	22	25	1,400		0.90	2.60			3.30	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
13	8.75	Smith	PDC	JV2705	4x12, 4x11	0.910	Y	5,501	5,501					
12	8.75	CCI	CORE	661-790-01			N	5,495	5,504	9	3.5			2.6

BIT NO. 10 INNER: 1 OUTER: 1 DULL: RR LOC: A SEAL: GAUGE: I OTHER: RP: CP

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
2	BOMCO	1600	6.000	12.000	95	2800	400		95	9.26	138.6	445	52.1	
3	BOMCO	1600	6.000	12.000	95	2800	400		95	9.26	138.6	445	52.1	

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-Bit	8.75		0.89					
2	Sub-Bit Sub	6.5		3					
3	Drill Pipe-HWDP	5	3	276.35					

DESCRIPTION: Temp Log
LENGTH: 280.24 BHA WT. AIR: 13,606 BHA WT. MUD: 11,800 HRS. ON JARS:
ROT. WT.: 160,000 P.U. WT.: 164,000 S.O. WT.: 154,000 TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES E/W	V. SECTION	DLS
5,092	1.56	108.18	5,091	-7.8	3.4	5.3	0.8
5,199	1.63	88.50	5,198	-8.3	6.3	8.3	0.5
5,294	1.67	51.93	5,293	-7.4	8.8	10.4	1.1
5,389	1.32	36.29	5,388	-5.6	10.5	11.6	0.6

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		815	10,901
Potable Water			1,000

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	06:30	0.5	Production Drilling	Cond Mud & Circ		PJSM, pre job safety meeting Establish circulation
06:30	07:30	1.0	Production Drilling	Trips		Trip in hole from 3,000' to 5,495'
07:30	08:00	0.5	Production Drilling	Cond Mud & Circ		Establish circulation, drop ball
08:00	11:30	3.5	Production Drilling	Coring		Cut cores 5,495' to 5,504' (9) 2.75 FPH
11:30	12:00	0.5	Production Drilling	Cond Mud & Circ		Circulate, pump dry pill 1 ppg over mud weight
12:00	13:00	1.0	Production Drilling	Trips		Trip out of the hole to 5,504' shut down high winds
13:00	16:00	3.0	Production Drilling	Other		Shut down high winds
16:00	19:30	3.5	Production Drilling	Trips		Trip out of hole with core assembly. Lay down assembly recovered 2 1/2' of core
19:30	23:30	4.0	Production Drilling	Trips		Pick up bit, bit sub and temperature tool. Trip in hole for 12 hour shut in to record temperatures. Tag up at 5,504'. No fill on bottom.
23:30	06:00	6.5	Production Drilling	Other		12 hour temperature build up test at 5,501' bit depth, 5,499' tool depth beginning at 23:36.
	TOTAL HRS	24.0				