DAILY DRILLING REPORT

RPT DATE: 12/07/2020
RPT NUM.: 49
RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME:	FORGE 16A [78]-32	JOB:	Drilling 65° Tangent	RIG SUPERV:	Bob F, Duane W, Leroy S
FIELD:		LEASE:		RIG PHONE:	281-854-6858
AFE #:		API #:		EMAIL:	
CONTRACTOR:	Frontier Drilling	ELEVATION:	5415.1	RKB:	
SPUD DATE:	10/30/2020	DFS:	38	DOL:	48
MD/TVD:	8024	24 HR FTG:		HRS DRLG:	

PRESENT OPERATIONS: CIRCULATE FOR TEMPERATURE
ACTIVITY PLANNED: FISHING OPERATIONS

BOP

LAST BOP TEST:	11/14/20	LAST BOP DRILL:	11/29/20	NEXT BOP TEST:	12/14/20

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	5,110	5,109

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
6:00	9.0	38.0	10.0	11.0	1	3	5	9	17	2	1,500		1.80	3.80	40		3.40	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
30	8.75	REED	PDC	A276121	3x14, 3x13	0.840	Y	8,024	8,024					
29	8.75	REED	TKC63	A255857	3x14, 3x13	0.840	N	7,390	8,004	614	21.0	5,000	142	29.2

BIT NO. 23 INNER: 0 OUTER: 1 DULL: WC LOC: S SEAL: GAUGE: Y OTHER: DULL CUT RP: TD

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	78	2600	325		95	9.76	308	475	130.1	
3	BOMCO	1600	6.000	12.000	78	2600	325		95	9.76	308	475	130.1	

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Sub-Reverse Circulating Finger basket	8.38	2	4.22					
2	Sub-4 1/2" IF box X 4 1/2" box bit sub no f	6.5	3	2.82					
3	Drill Pipe-39 jts Heavy Weight Drill Pipe	5	3	1199.85					
4	Jar-DRILLING JAR	6.5	2.88	30.57					
5	Drill Pipe-6 JTS HEAVY WEIGHT DP	5	3	184.48					

DESCRIPTION: BHA 33 (FISHING BHA 1)
LENGTH: 1,421.94 BHA WT. AIR: BHA WT. MUD: HRS. ON JARS:
ROT. WT.: P.U. WT.: S.O. WT.: TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S (COORDINATES)	E/W (COORDINATES)	V. SECTION	DLS
7,360	67.06	101.35	7,039	-193.7	766.2	790.2	1.8
7,366	67.12	101.22	7,042	-194.8	771.5	795.7	2.3
7,421	65.38	101.35	7,064	-204.6	821.0	846.0	3.2
7,516	65.49	104.37	7,103	-223.8	905.2	932.3	2.9

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		1,522	11,710
Potable Water			900

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	08:00	2.0	Production Drilling	Other		Prepare rig floor. Pick up BHA #32 Packer assembly.
08:00	10:30	2.5	Production Drilling	Trips		Trip in hole to 5,089'.
10:30	11:30	1.0	Production Drilling	Cond Mud & Circ		Circulate to cool hole for packers.
11:30	13:00	1.5	Production Drilling	Trips		Trip in hole from 5,089' to 7,972'. Center of bottom packer element at 7,958'.
13:00	14:00	1.0	Production Drilling	Cond Mud & Circ		Circulate hole to cool packers.
14:00	19:00	5.0	Production Drilling	Other		Attempted multiple times to set packers Pressures indicated that ball did not seat and packers did not set.
19:00	20:00	1.0	Production Drilling	Cond Mud & Circ		Circulate for temperature, build dry pill, pump dry pill
20:00	23:30	3.5	Production Drilling	Trips		Trip out of hole with BHA #32 Packer assembly.
23:30	04:00	4.5	Production Drilling	Trips		Pick up Fishing BHA # 33 and trip in hole to 7,996'
04:00	06:00	2.0	Production Drilling	Cond Mud & Circ		Circulate condition hole to start fishing
	TOTAL HRS	24.0				