DAILY DRILLING REPORT

RPT DATE: 11/13/2020
RPT NUM.: 25
RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME:	FORGE 16A [78]-32	JOB:	Drilling 65° Tangent	RIG SUPERV:	Bob Frank, Duane Winkler, Virgil Welch
FIELD:		LEASE:		RIG PHONE:	281-854-6858
AFE #:		API #:		EMAIL:	
CONTRACTOR:	Frontier Drilling	ELEVATION:	5415.1	RKB:	
SPUD DATE:	10/30/2020	DFS:	14	DOL:	24
MD/TVD:		24 HR FTG:		HRS DRLG:	

PRESENT OPERATIONS: Nippling down well head to weld on head
ACTIVITY PLANNED: Install well head, nipple up BOP

BOP

LAST BOP TEST:	11/23/20	LAST BOP DRILL:	11/6/20	NEXT BOP TEST:	11/3/20

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
12:00	9.0	54.0	8.4	10.8	1	9	16	27	17	22	800		0.20	0.90	80		2.70	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
7	12.25	SLB SMITH RR	Z713S	JD4755	4x20, 2x18, 1x16	1.940	Y	5,113	5,113				0	
6	12.25	SLB Smith	Z713S	JP4755	4x20, 2x18, 1x16	1.920	N	4,964	5,113	149	14.5	48	124	10.3

BIT NO.: INNER: OUTER: DULL: LOC: SEAL: GAUGE: OTHER: RP:

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-RR Bit	12.25		2					
2	Sub-BIT SUB WITH FLOAT & CROWS FOOT	8	2.25	3.23					
3	Drill Collar-1 STD 8" DC	8	2.88	92					
4	X-Over-6 5/8 REG PIN X 4 1/2" IF BOX	8	2.75	2.8					
5	Drill Pipe-3 STD HVY WT DP	5	3	276.35					
6	Drill Pipe-5" DP 19.5#	5	4.28	1252.62					

DESCRIPTION: BHA 7 Gyro BHA

LENGTH:	1,629.00	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	V. SECTION	DLS
4,637	1.45	334.41	4,636	-2.3	10.4	10.7	1.2
4,732	1.23	267.79	4,731	-1.3	8.9	8.9	1.6
4,826	1.14	219.54	4,825	-2.0	7.3	7.6	1.0
4,920	1.27	159.42	4,919	-3.7	7.1	7.8	1.3

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		924	19,185
Potable Water			3,200

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	13:00	7.0	Intermediate Casing	Cond Mud & Circ		Circulate and condition mud
13:00	19:00	6.0	Intermediate Casing	Run Csg & Cement		PJSM, pre job safety meeting: Resources cement crew, Frontier rig crew, DSM Rig up cement equipment Test lines to 3,000 psi, Pump 30 bbls Fresh water, 20 bbls RC Mud Cleaner, 50 bbls 10.5# Sepiolite, 13 bbls Sodium Silicate, 5 bbls Fresh water spacers. Pumped 428 bbls 12.92# RC Thermalite-HT cement, Drop Top plug displace with 381 bbls Fresh water, Pump 2.5 bbls over. Bumped plug at 2295 psi, 500psi over lift pressure. Bleed off pressure. Floats did not hold. Pressure back to 2300 psi on plug, Shut in a well holding 2300 psi
19:00	03:00	8.0	Intermediate Casing	Wait on Cement		Wash down stack, wash well head out. Set casing on bottom, land casing in set slips. The BOPE and wellhead were washed. When picked up the stack to set the slips, there was water from washing the BOPE and wellhead.
03:00	06:00	3.0	Intermediate Casing	Wait on Cement		Rough cut on casing, lay down cut off piece of casing Nipple down BOP , lay down spacer spool Welder preparing to weld on 9 5/8" well head.
	TOTAL HRS	24.0				