DAILY DRILLING REPORT

UTAHFORGE U.S. Department of Energy

RPT DATE: 11/03/2020
RPT NUM.: 15
RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME:	FORGE 16A [78]-32	JOB:	Drilling 65° Tangent	RIG SUPERV:	Leroy Swearingen , Bob Frank
FIELD:		LEASE:		RIG PHONE:	281-854-6858
AFE #:		API #:		EMAIL:	
CONTRACTOR:	Frontier Drilling	ELEVATION:	5415.1	RKB:	
SPUD DATE:	10/30/2020	DFS:	4	DOL:	14
MD/TVD:	1629	24 HR FTG:		HRS DRLG:	

PRESENT OPERATIONS: NUBOPE, Get ready for tester, arrange directional tools

ACTIVITY PLANNED: Test BOPE, MU directional BHA, TIH Drill Out, FIT test

BOP

LAST BOP TEST: LAST BOP DRILL: NEXT BOP TEST:

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

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
19:00	8.7	32.0	17.0	7.5	2	8	13	21	12	9	700		0.10	0.20	21			

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	17.50	NOV	PDC	A275580	8x15	1.726	N	0	1,629	1,629	9.0	25	80	181.0

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
1	BOMCO	1600	6.000	12.000	80	1245	335		95					
2	BOMCO	1600	6.000	12.000	80	1245	335		95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-17 1/2" PDC	17.5		2	7	Monel Collar-NMDC	8.25	3.14	29.52
2	Steerable Assembly-Vertical Scout	14		21.11	8	Sub-Hang OFF SUB	8.5	3.25	5.89
3	X-Over-Pin X Pin	9.5	3	2.15	9	Drill Collar-8" Drill Collar	8	2.88	366.49
4	Motor-TDI Motor 7/8 5.9 Stg, 0.155 RPG	9.63		41.08	10	X-Over-6 5/8" REG X 4 1/2" IF	8	2.75	2.8
5	Shock Sub-NOV Shock Sub	8.38	2.75	13.52	11	Drill Pipe-HVY WT DP	5	3	276.35
6	Stabilizer-Spiral Stabilizer	17.3	2.88	7.96					

DESCRIPTION: Surface BHA

LENGTH: 768.87 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	E/W	V. SECTION	DLS
1,325	1.58	166.01	1,325	-14.4	-2.0	1.8	0.4
1,420	1.10	155.91	1,420	-16.5	-1.3	3.0	0.6
1,514	0.75	126.20	1,514	-17.7	-0.5	4.1	0.6
1,523	0.66	124.35	1,523	-17.8	-0.4	4.2	1.0

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		472	12,225
Potable Water			13,200

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	18:00	12.0	Intermediate Drilling	Nipple Up B.O.P.		PJSM (pre job safety meeting) with FORGE DSM's and Frontier Drilling. Build new choke line and nipple up to choke manifold and BOP stack. Set catwalk in place and set up pipe racks. Hang light, general housekeeping. Rig up trip tank. Unload 3 loads (80 joints) of 9 5/8" 40# HCL80 casing onto racks. Preparing rig to drill intermediate section of hole.
18:00	06:00	12.0	Intermediate Drilling	Nipple Up B.O.P.		PJSM (pre job safety meeting) with FORGE DSM's and Frontier Drilling. Repair clamp on grabber box from quill to mud-saver on top-drive. Service and change out filters and fluids as needed on top drive and HPU. Stage directional tools on rack, Pick up jt. of drill pipe put in mouse hole for testing, Move drill pipe to finger racks to free up pipe racks for additional casing in route. Fixed bolt on annular. Housekeeping

TOTAL HRS 24.0