DAILY DRILLING REPORT

UTAH FORGE U.S. Department of Energy

RPT DATE: 12/28/2020
RPT NUM.: 70
RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME:	FORGE 16A [78]-32	JOB:	Drilling 65° Tangent	RIG SUPERV:	Leroy S, , Paul S, Bob F, Duane W
FIELD:		LEASE:		RIG PHONE:	281-854-6858
AFE #:		API #:		EMAIL:	
CONTRACTOR:	Frontier Drilling	ELEVATION:	5415.1	RKB:	
SPUD DATE:	10/30/2020	DFS:	59	DOL:	69
MD:	10987	24 HR FTG:		HRS DRLG:	

PRESENT OPERATIONS: CIRCULATE FOR TEMPERATURE
ACTIVITY PLANNED: LOG WELL. TRIP IN HOLE TO PLACE SAND FROM 10,787' TO 10,987'

BOP

LAST BOP TEST:	12/16/20	LAST BOP DRILL:	12/16/20	NEXT BOP TEST:	1/15/21

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
17:00	9.0	44.0	11.0	11.0	1	10	13	16	19	17	1,400		2.10	3.80	40		4.00	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
48	8.75	Schlumberger	PDC Logging				N	10,987	10,987					
47	8.75	Ulterra	CF613 PDC	45992	3x14, 3x13	0.840	Y	10,987	10,987		8.0			

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
1	BOMCO	1600	6.000	12.000					95					
2	BOMCO	1600	6.000	12.000	75	2660	325	5.4	95	9.64	308	475	130.1	

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-Schlumberger Logging	8.75		1.5					
2	Sub-Bit Sub with Float	6.5	3.13	5.2					

DESCRIPTION: Logging BHA # 53

LENGTH:	6.70	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
10,316	63.32	108.30	8,310	-904.3	3,329.4	3,450.0	1.0
10,411	64.68	105.97	8,351	-929.4	3,411.0	3,535.3	2.6
10,505	64.86	105.02	8,392	-952.1	3,492.9	3,620.3	0.9
10,604	68.46	103.44	8,431	-974.4	3,581.0	3,711.2	3.9

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		671	11,073
Potable Water			2,800

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	06:30	0.5	Production Drilling	Rig Service		Service rig and top drive
06:30	10:30	4.0	Production Drilling	Trips		Trip out of hole from 4,800' to 1,400' Lay down heavy weight drill pipe from 1,400' to surface
10:30	12:30	2.0	Production Drilling	Trips		While waiting on Schlumberger to down load recovered data Pick up through bit BHA # 53, pick up 45 joints drill pipe and drifted The FMI data could not be down loaded
12:30	13:00	0.5	Production Drilling	Trips		Trip out of hole with drill pipe. Break off Schlumberger tools.
13:00	17:00	4.0	Production Drilling	Other		Pull 9 5/8" casing slips, cut off 13 3/8" well head
17:00	18:30	1.5	Production Drilling	Trips		Trip in hole with Logging BHA #53 to 5,134'
18:30	20:30	2.0	Production Drilling	Cut off Drill Line		Slip and Cut drill line
20:30	21:00	0.5	Production Drilling	Lubricate Rig		Lubricate Rig
21:00	23:00	2.0	Production Drilling	Trips		Trip in hole to 10,987'
23:00	06:00	7.0	Production Drilling	Cond Mud & Circ		Circulate for temperature prior to logging
	TOTAL HRS	24.0				