DAILY DRILLING REPORT

RPT DATE: 12/29/2020
RPT NUM.: 71
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:	60	DOL:	70
MD:	10987	24 HR FTG:		HRS DRLG:	

PRESENT OPERATIONS: TRIP IN HOLE TO PLACE SAND FROM 10,787' TO 10,987',

ACTIVITY PLANNED: PLACE SAND, TRIP IN HOLE DRESS UP SAND PLACEMENT, LAY DOWN 5" DRILL PIPE

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
15:00	9.0	42.0	10.0	10.0	1	6	8	12	21	13	1,400		1.50	3.40	40		3.60	

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		2,885	8,188
Potable Water			2,800

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	11:30	5.5	Production Drilling	Cond Mud & Circ		Circulating for temperature at 10,977'
11:30	13:30	2.0	Production Drilling	Wire Line Logs		Pull off bottom to 10, 923' Make up FMI tool with Schlumberger Wire line logging tools to 6,000' and then begin pulling tool down
13:30	14:00	0.5	Production Drilling	Wire Line Logs		Tool landed at 10,923'. Bottom hole temperature when released was 238° F Calibrate tool
14:00	22:00	8.0	Production Drilling	Wire Line Logs		Begin logging from 10,923' to 4,851' at 30'/minute Trip out of hole to surface Lay down logging tool
22:00	03:30	5.5	Production Drilling	Trips		Tally rental 5" Drill pipe to use running liner Tally and Pick up 75 jts (25 stds) of Drill Pipe While down linking and processing FMI log.
03:30	04:30	1.0	Production Drilling	Trips		Trip out of hole with made up stands of 5" drill pipe and rack separate from original work string
04:30	06:00	1.5	Production Drilling	Trips		Pick up orange peal joint of 5" drill pipe and trip in Hole to 1,600'
	TOTAL HRS	24.0				