DAILY DRILLING REPORT

RPT DATE: 12/23/2020
RPT NUM.: 65
RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME:	FORGE 16A [78]-32	JOB:	Drilling 65° Tangent	RIG SUPERV:	Duane W, Leroy S, , Paul S
FIELD:		LEASE:		RIG PHONE:	281-854-6858
AFE #:		API #:		EMAIL:	
CONTRACTOR:	Frontier Drilling	ELEVATION:	5415.1	RKB:	
SPUD DATE:	10/30/2020	DFS:	54	DOL:	64
MD:	10971	24 HR FTG:	16	HRS DRLG:	

PRESENT OPERATIONS: TRIP IN HOLE WITH CLEAN OUT BHA #48
ACTIVITY PLANNED: CLEAN BOTTOM OF HOLE, TRIP OUT OF HOLE, PICK UP CORING ASSEMBLY, TRIP IN HOLE AND CUT CORE

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	9	11	16	18	13	1,400		2.00	3.70			3.60	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
44	8.75	Ulterra	PDC U613M	47954			N	0						
43	8.75	CCI	Core 713	3409-01		1.052	N	10,955	10,971	16				

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	79	4250	315	5.25	95	9.46	308	475	130.1	

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-PDC bit	8.75		0.85					
2	Motor-Scout 6 1/2" 7/8 5.7 adjustable	6.5		28					
3	Drill Pipe-HWDP	5	3	1396.48					

DESCRIPTION: Clean out BHA #48
LENGTH: 1,425.33 | 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		2,365	8,692
Potable Water			2,800

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	07:30	1.5	Production Drilling	Trips		Trip in hole with coring BHA #47 to 5,139'. Fill pipe.
07:30	08:00	0.5	Production Drilling	Trips		Trip in hole from 5,139' to 7,997'.
08:00	08:30	0.5	Production Drilling	Cond Mud & Circ		Circulate for temperature.
08:30	09:00	0.5	Production Drilling	Trips		Trip in hole from 7,997' to 9,500'.
09:00	09:30	0.5	Production Drilling	Cond Mud & Circ		Circulate for temperature.
09:30	10:00	0.5	Production Drilling	Trips		Trip in hole from 9,500' to 10,169'.
10:00	10:30	0.5	Production Drilling	Other		Obtain baseline string weights and rotary torque. Precautionary wash from 10169' to 10742'
10:30	11:00	0.5	Production Drilling	Other		Obtain string weights and rotary torque. Precautionary wash from 10,742' to 10950'.
11:00	12:00	1.0	Production Drilling	Other		Obtain final string weights and rotary torque at 10,950'. Tag bottom at 10,955'. Circulate bottoms up at 450 gpm, 40-50 rpm.
12:00	12:30	0.5	Production Drilling	Coring		Drop ball and pump down at 100 gpm. Land ball.
12:30	17:00	4.5	Production Drilling	Coring		Coring from 10,955' to 10,971'. 8K WOB, 40 RPM, 350 - 375 GPM. Cored total of 16'. Average 3.5 fph. Stopped coring due to low penetration rate.
17:00	17:30	0.5	Production Drilling	Cond Mud & Circ		Circulate for temperature while building dry job.
17:30	23:00	5.5	Production Drilling	Trips		Pull 5 stands off bottom and pump dry job. Trip out of hole with coring BHA #47.
23:00	00:00	1.0	Production Drilling	Coring		Break down core barrel. Cored 16', retrieved 7.1' of core.
00:00	03:00	3.0	Production Drilling	Trips		Pick up clean out BHA #48. Trip in hole to 5,222'.
03:00	03:30	0.5	Production Drilling	Cond Mud & Circ		Circulate for temperature.
03:30	04:30	1.0	Production Drilling	Trips		Trip in hole from 5,222' to 8,001'.
04:30	05:00	0.5	Production Drilling	Cond Mud & Circ		Circulate for temperature.
05:00	05:30	0.5	Production Drilling	Trips		Trip in hole from 8,001' to 9,492'
05:30	06:00	0.5	Production Drilling	Cond Mud & Circ		Circulate for temperature.
TOTAL HRS		24.0				