DAILY DRILLING REPORT

RPT DATE: 11/17/2020
RPT NUM.: 29
RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME:	FORGE 16A [78]-32	JOB:	Drilling 65° Tangent	RIG SUPERV:	Duane Winkler, Leroy Swearingen, Virgi
FIELD:		LEASE:		RIG PHONE:	281-854-6858
AFE #:		API #:		EMAIL:	
CONTRACTOR:	Frontier Drilling	ELEVATION:	5415.1	RKB:	
SPUD DATE:	10/30/2020	DFS:	18	DOL:	28
MD/TVD:	5473	24 HR FTG:	83	HRS DRLG:	7.5

PRESENT OPERATIONS: LOGGING WITH SCHLUMBERGER. RUN #1 ISOLATION SCANNER LOG, RUN #2 TEMPERATURE LOG

ACTIVITY PLANNED: RIG DOWN SCHLUMBERGER. PICK UP CORE TOOLS AND TRIP IN HOLE TO CORE AT 5,473'

BOP

LAST BOP TEST:	12/14/20	LAST BOP DRILL:	11/6/20	NEXT BOP TEST:	11/14/20

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
18:00	8.8	48.0	7.8	11.5	1	8	15	25	20	25	1,400		0.85	2.40			2.30	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
10	8.75	Ulterra	PDC	54132	6x14	0.900	N	5,345	5,473	128	7.5	52	89	17.1
9	8.75	SMITH	PDC	JV2705	4x12, 4x11	0.910	N	5,113	5,345	232	15.5	50	89	15.0

BIT NO. 10 INNER: 1 OUTER: 1 DULL: RR LOC: A SEAL: GAUGE: I OTHER: RP: CP

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-8 3/4" PDC	8.75		0.95	7	Monel Collar-6 3/4" NMDC	6.75		30.35
2	Steerable Assembly-VERTICAL SCOUT	7.13		19.6	8	Drill Collar-6 1/2" DRILL COLLARS	6.5		644.15
3	Motor-SCOUT 7/8 3.0 FIXED	6.5		28.48	9	Drill Pipe-5" HWDP	5	3	276.35
4	Shock Sub-6 1/2" NOV SHOCK SUB	6.75	2.25	10.81					
5	Monel Collar-6 3/4" NM STABILIZER	6.75		6.87					
6	Sub-6 1/2" SCOUT UBHO	6.5	2.75	3.11					

DESCRIPTION: 8 3/4" Directional BHA #10

LENGTH: 1,020.67 BHA WT. AIR: 58,698 BHA WT. MUD: 50,800 HRS. ON JARS:

ROT. WT.: 190,000 P.U. WT.: 235,000 S.O. WT.: 200,000 TORQUE: 3,200

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	E/W	V. SECTION	DLS
5,092	1.56	108.18	5,091	-7.8	3.4	5.3	0.8
5,199	1.63	88.50	5,198	-8.3	6.3	8.3	0.5
5,294	1.67	51.93	5,293	-7.4	8.8	10.4	1.1
5,389	1.32	36.29	5,388	-5.6	10.5	11.6	0.6

(N/S and E/W columns under COORDINATES)

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		1,907	11,716
Potable Water			1,000

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	13:30	7.5	Production Drilling	Drilling		PJSM, pre job safety meeting Drill ahead from 5.390' to 5,473' with BHA #10 , (83') @ 11 FPH 50K WOB, 40 rotary, 325 psi differential, 575 gpm. SSP 2300 Last survey at 5,389', 1.32° Inc., 36.29° AZI Mw 8.8, viscosity 40
13:30	16:00	2.5	Production Drilling	Trips		Circulate, pump dry pill 1ppg over mud weight Trip out of hole to 1610' shut down
16:00	19:30	3.5	Production Drilling	Cut off Drill Line		Re-spool drilling line on drum. Cut and slip drill line
19:30	22:00	2.5	Production Drilling	Trips		Trip out of hole from 1,610' to top of directional tools. Lay down Scout directional tools. Bit was in gauge and good shape.
22:00	06:00	8.0	Production Drilling	Wire Line Logs		PJSM with Schlumberger and Frontier Drilling. Rig up wireline tools. Log intermediate casing with Schlumberger. Run #1 Isolation Scanner Log, (IBC , CBL) Run #2 Temperature Log.
	TOTAL HRS	24.0				