DAILY DRILLING REPORT

RPT DATE: 11/30/2020
RPT NUM.: 42
RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME:	FORGE 16A [78]-32	JOB:	Drilling 65° Tangent	RIG SUPERV:	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:	31	DOL:	41
MD/TVD:	7390	24 HR FTG:	96	HRS DRLG:	3.5

PRESENT OPERATIONS: REAMING CURVE
ACTIVITY PLANNED: REAM CURVE, TRIP OUT OF HOLE RUN GYRO SURVEY

BOP

LAST BOP TEST:	11/14/20	LAST BOP DRILL:	11/29/20	NEXT BOP TEST:	12/14/20

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	5,110	5,109

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
19:00	9.1	41.0	9.0	11.0	1	6	9	18	16	14	1,500		16.00	2.30	40		4.20	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
24	8.75	Reed RR	FTKC63-01	A276121	3x14, 3x13	0.840	Y	7,390	7,390					
23	8.75	NOV ReedHycalog	FTKC63-01	A276121	3x14, 3x13	0.840	N	6,945	7,390	445	18.0	50	135	24.7

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
2	BOMCO	1600	6.000	12.000	70	3380	275		95	9.68	308	475	130.1	
3	BOMCO	1600	6.000	12.000	70	3250	275		95	9.68	308	475	130.1	

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-Bit	8.75		1	7	Drill Pipe-33 Joints HWDP	5		1014.69
2	Reamer-Near bit reamer w/ float	8.63		6.78	8	Jar-Drilling jar	6.5		30.57
3	Drill Collar-Drill collar	6.75		31.34	9	Drill Pipe-3 Joints HWDP	5		92.24
4	Reamer-Reamer	8.5		6.58					
5	Drill Pipe-9 Joints HWDP	5		277.4					
6	Reamer-String Mill	7.75		7.4					

DESCRIPTION: Reamer Run BHA 24
LENGTH: 1,468.00 BHA WT. AIR: 72,800 BHA WT. MUD: 61,700 HRS. ON JARS:
ROT. WT.: 212,000 P.U. WT.: 214,000 S.O. WT.: 210,000 TORQUE: 3,500

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S COORDINATES	E/W	V. SECTION	DLS
7,225	62.81	103.86	6,990	-179.5	637.9	662.6	6.2
7,257	63.99	103.31	7,004	-186.2	665.7	691.2	4.0
7,289	64.63	103.96	7,018	-193.0	693.7	720.0	2.7
7,320	65.54	102.49	7,031	-199.4	721.1	748.1	5.2

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		2,868	11,412
Potable Water			1,000

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	09:30	3.5	Production Drilling	Drilling		PJSM, pre job safety meeting Drill rotate, slide from 7,294' to 7,390'. (96') 27.42 FPH, WOB 40-60, 50 rpm, 558 gpm Last Survey MD: 7320' INC: 65.54° AZM: 102.49° TVD: 7030.84' VS: 748.12' DLS: 5.21 Curve EOB MD 7,262,
09:30	10:30	1.0	Production Drilling	Cond Mud & Circ		Circulate for temperature while building dry pill , Pump dry pill
10:30	12:30	2.0	Production Drilling	Trips		Trip out of hole to 5810'
12:30	13:30	1.0	Production Drilling	Cond Mud & Circ		Circulate for temperature while building dry pill , Pump dry pill
13:30	17:30	4.0	Production Drilling	Trips		Trip out of hole Lay down 4 joints of Drill Pipe to be hard banded. Lay down 5 drill collars
17:30	19:00	1.5	Production Drilling	Dir Work		Lay down BHA # 23, Break out bit
19:00	19:30	0.5	Production Drilling	Lubricate Rig		Service Rig
19:30	22:00	2.5	Production Drilling	Trips		Reamer Assembly Reed Hycalog 8 3/4" bit, near bit roller reamer, drill collar, roller reamer, heavy weight drill pipe, string mill, jars, heavy weight drill pipe. Trip in hole.
22:00	22:30	0.5	Production Drilling	Cond Mud & Circ		Circulate for temperature at 5,240'
22:30	23:00	0.5	Production Drilling	Trips		Trip in hole to 5,634'
23:00	06:00	7.0	Production Drilling	Reaming		Ream from 5,634' to 6,263' Rotary 60 rpm to 80 rpm Weight on bit form 0 - 3,000 lbs Torque ranges from 3500 - 5400 FTLBS
	TOTAL HRS	24.0				