RPT DATE: 11/18/2020
RPT NUM.: 30
RIG: Frontier Rig 16

DAILY DRILLING REPORT

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:	19	DOL:	29
MD/TVD:	5495	24 HR FTG:	22	HRS DRLG:	

PRESENT OPERATIONS: TRIPPING IN HOLE WITH BHA #12 CORE ASSEMBLY

ACTIVITY PLANNED: CUT CORE FROM 5,495'

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
22:00	8.9	52.0	7.8	11.2	1	6	10	19	19	21	1,400		0.70	1.80			3.30	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
12	8.75	CCI	CORE				N	0						
11	8.75	CCI	Core	462-06		1.760	N	5,473	5,495	22	8.0	14		2.8

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" Core Bit	8.75	4	1.3	7	Slick Joint-Core Barrel	7	4.25	26
2	Stabilizer-Blade Stabilizer	8.81		4	8	Stabilizer-Blade Stabilizer	8.81		4
3	Slick Joint-Core Barrel	7	4.25	26	9	Sub-Ez Lead	6.5		2.98
4	Stabilizer-Blade Stabilizer	8.81		4	10	Jar-Jars	6.5		7.86
5	Slick Joint-Core Barrel	7	4.25	26	11	Sub-Float Sub	6.5		2
6	Stabilizer-Blade Stabilizer	8.81		4	12	Drill Collar-Drill Collars	6.5	3	644.15

DESCRIPTION: BHA #11 Core Assembly

LENGTH:	1,024.64	BHA WT. AIR:	234,000	BHA WT. MUD:	206,000	HRS. ON JARS:	
ROT. WT.:	198,000	P.U. WT.:	210,000	S.O. WT.:	195,000	TORQUE:	4,800

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES 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

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel			11,716
Potable Water	4,400	4,400	1,000

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	07:00	1.0	Production Drilling	Other		PJSM, pre job safety meeting Prepare rig floor for core tools Stage core tools to rig floor
07:00	09:00	2.0	Production Drilling	Other		Pick up make up 7" core barrel to cut 4" core
09:00	11:00	2.0	Production Drilling	Trips		Trip in hole BHA # 11
11:00	11:30	0.5	Production Drilling	Cond Mud & Circ		Fill pipe and circulate one bottom up
11:30	12:30	1.0	Production Drilling	Rig Service		Rig Service
12:30	14:00	1.5	Production Drilling	Trips		Trip in hole with BHA # 11 to 5,473'
14:00	14:30	0.5	Production Drilling	Cond Mud & Circ		Circulate bottoms drop ball
14:30	22:30	8.0	Production Drilling	Coring		Coring from 5,473' to 5,495'. 22' of core at 2.75 fph.
22:30	03:00	4.5	Production Drilling	Trips		Mix and pump dry job. Trip out of hole for slow ROP. Lay down core barrels. Actual core recovered approximately 16'. Core barrel was jammed.
03:00	06:00	3.0	Production Drilling	Trips		Make up BHA #12 core assembly and core bit. Trip in the hole.
	TOTAL HRS	24.0				