

WELL/JOB INFORMATION

WELL NAME: **FORGE 16A [78]-32**
FIELD:
AFE #:
CONTRACTOR: **Frontier Drilling**
SPUD DATE: **10/30/2020**
MD/TVD: **5793**
PRESENT OPERATIONS: **DRILLING 8 3/4" PRODUCTION HOLE WITH BHA #14**
ACTIVITY PLANNED: **DRILL AHEAD WITH BHA #14**

JOB: Drilling 65° Tangent
LEASE:
API #:
ELEVATION: 5415.1
DFS: 22
24 HR FTG: 152

RIG SUPERV: Duane Winkler, Leroy Swearingen, Virgil
RIG PHONE: 281-854-6858
EMAIL:
RKB:
DOL: 32
HRS DRLG: 24

BOP

LAST BOP TEST:	12/14/20	LAST BOP DRILL:	11/6/20	NEXT BOP TEST:	11/14/20
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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
23:00	9.3	42.0	6.0	1.1	1	4	6	10	28	19	1,700		0.90	2.50				5.10	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
14	8.75	NOV	PDC	A271699	6x14	0.900	N	5,505	5,793	288	29.5	30	91	9.8
13	8.75	Smith	PDC	JV2705	4x12, 4x11	0.910	Y	5,501	5,501					

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-NOV Reed TKC66	8.75		1	7	Drill Collar-6 3/4" NMDC	6.75		30.35
2	Steerable Assembly-712 Vertical Scout RS	7.13		19.6	8	Drill Collar-6 3/4" Drill Collars	6.75	3	734.92
3	Motor-6 1/2 Scout 7/8 3.0 Fixed w/ 8 11/	6.5		28.48	9	Drill Pipe-HWDP	5	3	276.35
4	Sub-6 1/2" Shock Sub	6.75	2.25	10.81					
5	Stabilizer-6 3/4" NM Stabilizer	6.75		6.87					
6	Sub-UBHO	6.5	2.75	3.11					

DESCRIPTION: 8 3/4" Directional BHA #14 Scout RSS			
LENGTH: 1,111.49	BHA WT. AIR: 78,000	BHA WT. MUD: 67,800	HRS. ON JARS:
ROT. WT.: 186,000	P.U. WT.: 220,000	S.O. WT.: 210,000	TORQUE: 4,186

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
5,389	1.32	36.29	5,388	-5.6	10.5	11.6	0.6	
5,480	0.79	6.67	5,479	-4.2	11.2	11.9	0.8	
5,574	0.70	145.54	5,573	-4.0	11.6	12.2	1.5	
5,669	1.71	119.26	5,668	-5.2	13.2	14.1	1.2	

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		2,871	11,647
Potable Water			1,000

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	18:00	12.0				PJSM, pre job safety meeting Drill ahead from 5,641' to 5,752' with BHA #14 , (111') @ 9.25 FPH 47K WOB, 60 rotary, 207 psi differential, 450 gpm. SPP 2500 psi Last survey at 5,669', 1.71" Inc. 119.26° Azi MW 9.0 , viscosity 45
18:00	06:00	12.0	Production Drilling	Drilling		PJSM, pre job safety meeting Drill ahead from 5,752' to 5,793' with BHA #14 , (41') @ 3.4 FPH At 5,758' reduce wob to 30K 30K WOB, 35 rpm rotary, 172 psi differential, SPP 2,800 psi, 590 gpm, 4250 torque Last survey at 5,669', 1.71" Inc. 119.26° Azi MW 9.3 , viscosity 42
TOTAL HRS	24.0					

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