DAILY DRILLING REPORT

RPT DATE: 11/02/2020
RPT NUM.: 14
RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME: FORGE 16A [78]-32
FIELD:
AFE #:
CONTRACTOR: Frontier Drilling
SPUD DATE: 10/30/2020
MD/TVD: 1629
PRESENT OPERATIONS: Nipple UP BOPE
ACTIVITY PLANNED: Complete Nipple UP BOPE, Install Rotating Head,

JOB: Drilling 65° Tangent
LEASE:
API #:
ELEVATION: 5415.1
DFS: 3
24 HR FTG:

RIG SUPERV: Leroy Swearingen , Bob Frank, Duane C
RIG PHONE: 281-854-6858
EMAIL:
RKB:
DOL: 13
HRS DRLG:

BOP

LAST BOP TEST:
LAST BOP DRILL:
NEXT BOP TEST:

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

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
14:00	8.7	39.0	25.0	7.5	2	12	15	25	6	11	700		0.10	0.20	20			

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	17.50	NOV	PDC	A275580	8x15	1.726	N	0	1,629	1,629	9.0	25	80	181.0

BIT NO. INNER: OUTER: DULL: LOC: SEAL: GAUGE: OTHER: RP:

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	80	1245	335		95					
2	BOMCO	1600	6.000	12.000	80	1245	335		95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-17 1/2" PDC	17.5		2	7	Monel Collar-NMDC	8.25	3.14	29.52
2	Steerable Assembly-Vertical Scout	14		21.11	8	Sub-Hang OFF SUB	8.5	3.25	5.89
3	X-Over-Pin X Pin	9.5	3	2.15	9	Drill Collar-8" Drill Collar	8	2.88	366.49
4	Motor-TDI Motor 7/8 5.9 Stg, 0.155 RPG	9.63		41.08	10	X-Over-6 5/8" REG X 4 1/2" IF	8	2.75	2.8
5	Shock Sub-NOV Shock Sub	8.38	2.75	13.52	11	Drill Pipe-HVY WT DP	5	3	276.35
6	Stabilizer-Spiral Stabilizer	17.3	2.88	7.96					

DESCRIPTION: Surface BHA
LENGTH: 768.87
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
1,325	1.58	166.01	1,325	-14.4		-2.0	1.8	0.4
1,420	1.10	155.91	1,420	-16.5		-1.3	3.0	0.6
1,514	0.75	126.20	1,514	-17.7		-0.5	4.1	0.6
1,523	0.66	124.35	1,523	-17.8		-0.4	4.2	1.0

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		2,074	12,697
Potable Water			13,200

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	07:00	1.0	Surface Casing	Other		PJSM (pre job safety meeting) with FORGE DSM's and Frontier Drilling. Prepare cellar to install wellhead.
07:00	08:30	1.5	Surface Casing	Nipple Up B.O.P.		Cut conductor and initial cut on 13 3/8" casing and remove from sub base.
08:30	14:00	5.5	Surface Casing	Nipple Up B.O.P.		Make final cut on 13 3/8" casing and set on wellhead. Weld on wellhead performing preheat and post heat requirements as procedure. Test to 1,500 psi for 10 minutes and 30 minutes. Tests were good.
14:00	18:00	4.0	Surface Casing	Nipple Up B.O.P.		Clean all BOP components and begin stacking up BOP.
18:00	06:00	12.0	Surface Casing	Nipple Up B.O.P.		PTSM (pre tour safety meeting) with Frontier Drilling, Crew, and DSM. Stack up BOP, hammer up bolts and nuts, install fill and choke lines.

TOTAL HRS 24.0