DAILY DRILLING REPORT

RPT DATE: 10/30/2020
RPT NUM.: 11
RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME: FORGE 16A [78]-32
FIELD:
AFE #:
CONTRACTOR: Frontier Drilling
SPUD DATE:
MD/TVD:
PRESENT OPERATIONS: Pressure mud lines and stand pipe, repair trough pump
ACTIVITY PLANNED: Spud well and drill surface

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

RIG SUPERV: Leroy Swearingen , Bob Frank, Duane W
RIG PHONE: 281-854-6858
EMAIL:
RKB:
DOL: 10
HRS DRLG:

BOP

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

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	13.38	68	L-80	1,600	1,600

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
2:00	8.5	52.0	16.0	7.5		4	10	13	13	9	700							

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						

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	112									
2	BOMCO	1600	6.000	12.000										

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	17.38	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

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel	12,017	2,000	15,192
Potable Water	13,200		13,200

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	06:30	0.5	Surface Drilling	Other		Safety meeting with DSM, Rig Manager, Driller and six crew members Discussion on working at heights, trip hazards and electrical outlets
06:30	13:30	7.0	Surface Drilling	Other		Build mud volume from 400 bbls to 800 bbls of 8.6 ppg with 51 viscosity Pick up 9 joints of heavy weight drill pipe Rig crew work on setting up rig floor
13:30	14:30	1.0	Surface Drilling	Other		Nabors training Rig-Cloud
14:30	16:00	1.5	Surface Drilling	Other		Complete Final Rig Inspection , Rig is 100% rigged up and ready to drill DSM and FORGE Operations Superintendent accept rig
16:00	16:30	0.5	Surface Drilling	Other		Pre-spud meeting with Frontier Superintendent, Rig Manager, three driller , six rig crew members, mud engineer mud logger and two solids control
16:30	19:30	3.0	Surface Drilling	Trips		Tally VRSS, pick up and make up BHA #1
19:30	01:30	6.0	Surface Drilling	Repair Rig	Equipment Failure	Hydraulic line failed on grabber box. Replace line.
01:30	02:30	1.0	Surface Drilling	Dir Work		Make up BHA
02:30	04:00	1.5	Surface Drilling			Drill cement and 18 feet of formation to test surface, directional and third party equipment Frontier checking and pins and keepers in derrick Tighten turn buckles on conductor and flowline
04:00	04:30	0.5	Surface Drilling	Other		Test Standpipe and mudlines to 4,000 psi
04:30	06:00	1.5	Surface Drilling	Rig Up & Tear Down	Equipment Failure	Rig is replacing water transfer pump for mud system.
	TOTAL HRS	24.0				