

## **DAILY DRILLING REPORT**

RPT DATE: 11/04/2020

HRS DRLG: 3

RPT NUM.: 16 RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME: FORGE 16A [78]-32 FIELD: CONTRACTOR: Frontier Drilling

SPUD DATE: 10/30/2020

JOB: Drilling 65° Tangent LEASE: API #: ELEVATION: 5415.1 DFS: 5 24 HR FTG:

RIG SUPERV: Leroy Swearingen , Bob Frank RIG PHONE: 281-854-6858 RKB: DOL: 15

PRESENT OPERATIONS: Change BHA to drill float equipment

ACTIVITY PLANNED: Drill shoe track , Trip out of hole, Pick up Rotary Steerable BHA

BOP							
LAST BOP TEST:	12/2/20	LAST BOP D	RILL:	NEXT BOP TE	ST: 11/3	11/3/20	
CASING							
CASING TYP	PE	OD	WEIGHT	GRADE	MD	TVD	
Conductor		20.00	54	A53B	130	130	
Surface		13.38	68	L-80	1,629	1,629	

IVIOD																			
TIME	MW	FV	WL	PH	CAKE	GI	ELS (10s/10m/30r	n)	PV		ΥP	CL		K	Pf Mf	C	a OIL	LGS	HTHP
17:00	8.7	30.0	20.0	7.5	2	5	10	14	4		4	700		0	.10 0.20	) 2	0		
DRILL BITS																			
NO.	SIZE		MANUFACTURE	2	TYPE	SER	NO.	JETS		TFA	RE-	-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
2	9.63	NOV		PDC		A275	580	6x16		0.902		N	0						
1	17.50	NOV		PDC		A275	580	8x15		1.726		N	0	1,629	1,629	9.0	25	80	181.0
DIT NO				LITER									-	*****	0.71				

<b>PUMPS</b>															
PUMP	MAKE	MODEL	LINER	S	TK	SPM	PSI	GPM	I GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	BOMCO	1600	6.000	12.	.000	70	1100	325		95					
2	BOMCO	1600	6.000		.000	70	1100	335		95					
BHA	вна														
#	COMPONENT		OD	ID	LENGTH		#		COMPONENT			- (	OD	ID	LENGTH
1	Drill Bit-PDC Bit		12.25		2		7	N	Monel Collar			8	.25	3.25	29.52
2	Steerable Assembly-VERTICAL SCOUT		9.63		22.79		8	S	Sub-HANG OFF SUB			8	.25	3.25	5.09
3	X-Over-PIN TO PIN		8.06	2.75		2.19	9	0	Drill Collar-4 STDS DC			8	2.88	366.49	
4	Motor-7/8, 5.9 STG, 0.155 RPG ,STRAIGHT		9.63		41.11		10	) X	X-Over-6 5/8 REG PIN X 4 1/2 IF BOX				8	2.75	2.8
5	Shock Sub-SHOCK SUB		8.38	2.75	13.52		11		Drill Pipe-5" hvy wt dp			5	3	276.35	
6	5 Stabilizer		8.06	2.75		4.97	12		Drill Pipe-5" DP			5	4.28	862.17	

5 Stabilizer
DESCRIPTION: Intermediate 1

LENGTH: 1,629.00 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 COORD	INATES 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
CONCLINAADLEC							

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		929	11,296
Potable Water			13,200

TIME DO	EAKDOW	NI -				
FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	09:00	3.0	PHASE	CODE	NPI	PJSM (pre job safety meeting) with FORGE DSM's and Frontier Drilling.
				out.		Move and sort drill pipe for drilling operations General housekeeping pick up tools and empty trash containers
09:00	16:00	7.0	Intermediate Drilling	Other		Rig up A-1 Testing and begin BOPE testing at 09:00.
03.00	10.00	7.0				Test blinds to 250 psi low, 5,000 psi high.
						Test pipe rams to 250 psi low, 5,000 psi high.
						Test choke manifold, choke lines and all valves to 250 psi low, 5,000 psi high.
						Test mud lines back to pumps to 80% of liner rating of 3,600 psi. Test casing to 1,500 psi.
						All tests were good.
						Meet with Jim Goddard, Division of Water Rights, State of Utah at 10:00. Tour rig and pad,
						Witness BOPE testing in progress
			Intermediate Casing	Test B.O.P.		Review required information by state including casing report, cement report and BOPE charts and reports.
16:00	17:00	1.0	intermediate Casing	Test B.OP.		Nabors installing a K Box Light (Control Center for Nabors Rig Watch),
10.00	17.00	1.0				Install wear bushing.
			Intermediate Casing	Test B.O.P.		Perform function test on accumulator as per procedures.
17:00	18:00	1.0				Safety Meeting
						Slip and Cut Drill Line
						Set top drive in shipping position, chain off blocks to derrick.  Prepare to slip and cut drilling line.
						Nabors continue to work on K Box Light.
10.00	22.00	5.0	Intermediate Casing	Cut off Drill Line		
18:00	23:00	5.0	Intermediate Casing	Dir Work		PJSM (pre job safety meeting) with FORGE DSM's and Frontier Drilling. Pick up Intermediate Directional Tools BHA # 2, with 12 1/4" PDC bit
23:00	00:30	1.5	Intermediate Casing	Trips		Trip in Hole with VRRS , tag cement
00:30	03:30	3.0	Intermediate Casing	Drilling		Drill cement and Float Collar, stop drilling, prepare to pull out of hole
03:30	06:00	2.5	intermediate casing	Dinning		Trip out of hole ,(TOOH) VRSS, bit no issues
						Conclusion probable rubber inference
			Intermediate Casing	Trips		Plan Forward trip in hole with mill tooth bit drill up float equipment
1	TOTAL HRS	24.0				