DAILY DRILLING REPORT

RPT DATE: 12/26/2020
RPT NUM.: 68
RIG: Frontier Rig 16

WELL/JOB INFORMATION

WELL NAME: FORGE 16A [78]-32
JOB: Drilling 65° Tangent
RIG SUPERV: Leroy S, , Paul S, Bob F, Duane W
FIELD:
LEASE:
RIG PHONE: 281-854-6858
AFE #:
API #:
EMAIL:
CONTRACTOR: Frontier Drilling
ELEVATION: 5415.1
RKB:
SPUD DATE: 10/30/2020
DFS: 57
DOL: 67
MD: 10987
24 HR FTG:
HRS DRLG:
PRESENT OPERATIONS: LOGGING
ACTIVITY PLANNED: LOGGING, SPOT SAND IN TOE OF WELL, REMOVE CASING SLIPS ON 9 5/8" CASING

BOP

LAST BOP TEST: 12/16/20 LAST BOP DRILL: 12/16/20 NEXT BOP TEST: 1/15/21

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	5,110	5,109

MUD

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
17:00	9.0	44.0	11.0	11.0	1	10	12	15	21	7	1,400		2.00	3.70	40		4.00	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
47	8.75	Ulterra	CF613 PDC	45992	3x14, 3x13	0.840	Y	10,987	10,987		8.0			
46	8.75	Ulterra	PDC CF613	45992	3x14, 3x13	0.840	N	10,987	10,987		12.0	4		

BIT NO. 23 INNER: 0 OUTER: 1 DULL: WC LOC: S SEAL: GAUGE: Y OTHER: DULL CUT RP: TD

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					95					
2	BOMCO	1600	6.000	12.000	75	2660	325	5.4	95	9.64	308	475	130.1	

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-PDC Bit	8.75		0.85					
2	Sub-Bit Sub with Float and Crows Foot	6.5	3.13	3.92					
3	Drill Pipe-HWDP	5	3	1395.04					

DESCRIPTION: Cooling BHA # 51
LENGTH: 1,399.81 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	E/W	V. SECTION	DLS
10,316	63.32	108.30	8,310	-904.3	3,329.4	3,450.0	1.0
10,411	64.68	105.97	8,351	-929.4	3,411.0	3,535.3	2.6
10,505	64.86	105.02	8,392	-952.1	3,492.9	3,620.3	0.9
10,604	68.46	103.44	8,431	-974.4	3,581.0	3,711.2	3.9

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel	6,998	2,425	13,777
Potable Water			2,800

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
06:00	07:00	1.0	Production Drilling	Reaming		Ream to prepare for logs and liner, 10,847' to 10,987' ROT 40 -70, ROP 200' - 300' FPH, GPM 580 - 640, TORQ AVG 10,000 FT-LBS
07:00	08:30	1.5	Production Drilling	Cond Mud & Circ		Pump high viscosity sweep at 10,987'. Circulate out.
08:30	09:00	0.5	Production Drilling	Trips		Trip out of hole from 10,987' to 9,300'.
09:00	10:00	1.0	Production Drilling	Other		Drop gyro survey tool at 9,300', wait for tool to land.
10:00	14:00	4.0	Production Drilling	Trips		Trip out of hole from 9,300' to 213' Survey from 9,300' to 6,000'
14:00	14:30	0.5	Production Drilling	Trips		Lay down reamer and gyro BHA #50 and survey tool
14:30	17:00	2.5	Production Drilling	Trips		Make up cool down BHA #51 and trip in hole
17:00	22:00	5.0	Production Drilling	Cond Mud & Circ		Circulate and cool well for logs Pump dry pill
22:00	01:30	3.5	Production Drilling	Trips		Before tripping out of hole drop 2.375" drift tool Trip out of Hole. with cooling BHA #51. Lay down bit and bit sub
01:30	06:00	4.5	Production Drilling	Wire Line Logs		Rig up Schlumberger and run UBI logs

TOTAL HRS 24.0