

DAILY DRILLING REPORT

RPT DATE: 12/13/2020 RPT NUM.: 55
RIG: Frontier Rig 16

WELL/JOB INFORMATION

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

AFE #:
CONTRACTOR: Frontier Drilling SPUD DATE: 10/30/2020

JOB: Drilling 65° Tangent LEASE: API #:

ELEVATION: 5415.1 DFS: 44

RIG SUPERV: Duane W, Leroy S RIG PHONE: 281-854-6858 EMAIL:

RKB: DOL: 54

PRE		9064 ATIONS	2020 5: TRIP OUT OF HOLE 5: LAY DOWN BHA #38, F	PICK UP BHA #39, T	TRIP IN HOLE. [ORILL TANG		DFS: 44 R FTG: 529						HRS DRLG	:: 54 6: 12.5				
ВОР	LAST BOP T	TCT.	1	1/14/20			LAST BOP	DDILL		11/2	0/20		NEV	T BOP TEST	r.	12/14/	/20		
CASING	LAST BUP I	ESI.		1/14/20			LAST BUP	DRILL.		11/2	9/20		INEA	I BUP IES		12/14/	720		
CASIITO		C	CASING TYPE			OD			W	EIGHT			GRADE			MD	T	VD	
Conducto	or					20.00				54			A53B			130	13	.30	
Surface						13.38				68			L-80		1	1,629	1,6	629	
Intermed	liate					9.63				40			HCL-80			5,110	5,1	109	
MUD		,	5)/	Di i	CAKE	-	15 /40 /40 /20	,	D) /	\/D	CI.		, ,			011	166		
18:30			FV WL 39.0 10.0	PH 11.0	CAKE 1	5	LS (10s/10m/30m 12	16	PV 11	YP			(Pi			a OIL	LGS 3.60	HTHP	
DRILL BI			39.0 10.0	11.0	1	3	12	10	11	10	1,70	0	2.5	0 4.8	U		3.00		
NO.		IZE	MANUFACTURER	T)	YPE	SER N	10.	JETS	٠,	TFA	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP	
34		.75	Reed Hycalog	PDC		A2708		14, 3x13	_	.840	N	8,535	9,064	529	12.5	45	154	42.3	
33			Reed Hycalog	PDC		A275803			N		N	8,535 8,535							
BIT NO.	23	INNER	R: 0 O	UTER: 1		DULL: V	VC	LOC: S		SE	AL:	G/	AUGE: Y	OT	HER: DULL	CUT RP:	TD		
PUMPS																			
PUMP	MAk	(E	MODEL		NER	STK			_	PM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMI	IP HHP	
1	ВОМСО		1600		000	12.00				325	4.19	95	9.57	308	475	130.1			
2 BHA	вомсо		1600	6.0	000	12.00	00 79	4000	3	325	4.19	95							
#		CON	MPONENT	OD		D	LENGTH		#		C	OMPONEN	т		OD	ID	LEN	ICTU	
1	Drill Rit-Re		alog TKC63 PDC3x13-3x	8.75			0.85								5.75			LENGTH 30.4	
2			" Motor 7/8 5.7, Fixed1.25, d 6.5 1.25		35.32							6.75		3.25	29.41				
			tring Sub with PUK sens				2.61				ripe-5" HWDP (15 stands)				5 3		1396.48		
4	Monel Collar-6 3/4 NM Pony Collar			6.75			8.98												
5			2" NM UBHO	6.5	5.5 2.75		3.13												
6 Monel Collar-6 3/4" NMDC with MWD			6.75	.75 3.25			26												
DES	SCRIPTION:		_																
LENGTH: 1,537.44				BHA WT. AIR: 81,500				BHA WT. MUD: 70,300				HRS. ON JARS:							
CLIDATEN	ROT. WT.:	230,000	0		P.U. WT.:	313,000					S.O. WT.:	180,000			T	ORQUE: 10,0	00		
SURVEY	MD		INCLINATION		AZIMUTI	ш		TVD		N/S	•	COORDI	NATEC	E/V	v v	. SECTION		N C	
8,406			66.17		108.01				518		-480.7		1,647.1		1,715.4		DLS 1.4		
8,466			65.60	10				7,543		-497.					1,770.0		1.1		
	8,573		65.90	106.				7,587		-526.8					1,867.5		1.9		
8,668			67.92 103		103.08			7,624						1,954.8		3.7			
CONSU																			
		CONSU	JMABLE		DA	ILY RECEIV	ED (gal)					JSED (gal)			DAI	LY ON HAND) (gal)		
Fuel					7,521				3,				,305			13,869			
Potable																900			
FROM	EAKDOWI		DUACE		205		NDT						ODERATIO	NC.					
06:00							OPERATIONS Pick Up BHA # 38 directional drilling												
08:30																			
00.50	Troduction Ethning 111ps									rip in hole with BHA # 38 to 5,800' Circulate for temperature									
10:30	11,00	0.5	B 1 11 B 201	6 114 12	C:			Circulate for	homo	ratura									

	REAKDOW					
ROM	TO	HRS	PHASE	CODE	NPT	OPERATIONS
6:00	08:30	2.5	Production Drilling	Other		Pick Up BHA # 38 directional drilling
08:30	10:30	2.0	Production Drilling	Trips		Trip in hole with BHA # 38 to 5,800'
10:30	11:00	0.5	Production Drilling	Cond Mud & Circ		Circulate for temperature
11:00	12:30	1.5	Production Drilling	Trips		Trip in hole with BHA # 38 from 5,800' to 8535'
12:30	01:00	12.5	Production Drilling	Drilling		Drill rotate and slide from 8,535' to 9,064', (529') 42.3 FPH, 45K WOB, 70 RPM, 640-650 GPM Rotate: 391' (6.7 hrs). AVG ROP 57.93 fph. Slide: 138', (4.3 hrs). AVG ROP 31.85 fph. Connections and position tool face (1.5hrs) SURVEY MD: 8,953' INC: 65.25° AZM: 98.06° TVD: 7,730.43' VS: 2,218' DLS: 4.54 0' Low and 14' Right
01:00	02:00	1.0	Production Drilling	Cond Mud & Circ		Circulate for temperature while building dry job
02:00	06:00	4.0	Production Drilling	Trips		Trip out of hole with BHA #38 for penetration rate, elevated MSE and high lateral tool vibrations
	TOTAL HRS	24.0				