



Well Name	ROARING FORK 14-28	API No.	05-073-06774	Report #	17	Days From Spud	12.9	"Big" Rig DOL	9.0	Report Date	15-Nov-2020
Location	Sec 28, Twn 16S, Rng 54W (693.00' FSL & 1774.00' FWL)			County	Lincoln	State	Colorado	Lat	38.62709°		
Depth @ 06:00 hrs (MD/TVD)	6,860' MD	/	6,858.65' TVD	Depth Yesterday	6,860' MD	24 hr. Footage	0'	Long	-103.46072°		
Planned Depth	6,800' MD	/	6,800' TVD	Next Csg Pt	6,800'	Feet to Next Csg Pt	-60'	Feet To TD:	-60'		
Last Casing:	9 5/8", 36#, J-55, LT&C			Set At:	505' MD	/	505' TVD	Last BOP Check:	11/06/2020	9 Days Ago	
AFE No.	AFE \$	Daily Cost		Cumulative Cost		Percent AFE Expended					

Ops @ 06:00 hrs. 15-Nov-2020	RIH to circulate and condition hole. Bit currently at 3300' MD(KB)
Plan Next 24 hrs	RIH to 6100' MD(KB). Circulate/Condition hole while waiting go/no-go decision on casing run.

Bit No.	Size	Mfg	Type	Ser No.	Depth In		Footage	Hours	ROP (ft/hr)	WOB	Nozzles		Inner	Outer	Dull Char	Gauge (1-8)	Reason Pulled
					IN	OUT					No x Size	TFA					
1RR	8 1/2"	Ultrerra	U516M	50864	6,420	6,860	440	8.92	49	20	7x15	1.208 in²					

WOB	Rotary RPM	Motor RPM	Total RPM	0	Last Csg ID	8.9210"	Drift	8.7650"		
String Wt	PU	SO	Rot	Drag	Graded GL	4,652.5'	GL-KB	14.5'	KB Elev	4,667.0'

Mud Check	Depth:	6,860'	Time (24 hr clock):	23:30	Mud Company	Universal Fluids											
Mud Weight	lb/gal	8.8	Gels	lb/100 ft³	5 / 7 / 8	Mud Alkalinity	Pm	0.10	Sand Content	%	Oil %	R600	31				
Flowline Temp	°F		pH	8.3	Filtrate Alkalinity	Pf/Mf	0.01 / 0.25	Solids Content	%	3.5%	Water %	96.5%	R300	22			
Funnel Vis	sec/qt	44	API Wtr Loss	ml/30 min	6	Chlorides	ppm	450	LGS	%	3.46%	ECD	ppg	-	R200	18	
Plastiv Vis	cP	9	API HP-HT	ml/30 min		Total Hardness	ppm		HGS	%	0.00%	Ca / Mg	mb/l	200 / -	R100	15	
Yield Point	lb/100ft²	13	Cake	32nds	0.5	Meth Blue Capacity	lb/bbl		Drill Solids	%	3.5%	Excess Lime	lb/bbl	0.023	R6/R3	6	5

Gas (units)	BGG	Max	Conn	Trip	DAILY MUD COST			Σ MUD COST						
Mud Volumes	Hole (w/ DP)	460.0 bbl	Pit 1	360.0 bbl	Pit 2	-	Pit 3	-	Pit 4	-	Surface Total	360 bbl	Hole + Surface	820 bbl
Mud Treatment Equip	Shakers: Screen Size	(hr/day)	Desander	(hr/day)	Desilter	(hr/day)	Centrifuge	(hr/day)						

SPP:	RATE:	0 gpm	0.0 bpm	Annular Velocity	DP:	0 ft/min	DC:	0 ft/min	24 hr	Σ	24 hr	Σ
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RIG PUMPS		#1		#2		Drill Pipe	OD	5"	BHA	Length	802.39	Hrs Last 24 hrs. & Σ:		BHA	1.5	10.4	Motor	0.0	28.0
Manufacturer	Gardner Denver		Gardner Denver		Wt		19.50 ppf	Item	No	Length			Items (Continued)	No	Length				
Model	PZ11		PZ11		ID	4.276"	Bit, Ultrerra, U516M	1	1.00'										
Horsepower	1,600		1,600		Grd	S-135	Bit sub	1	2.95'										
Type (Triplex/Duplex)	Triplex		Triplex		TJ	4 1/2 IF	HWDP	15	460.01'										
Liner	Stroke	6.500"	11.000"	6.500"	11.000"	ID	3.000"	Drilling Jars	1	31.80'									
Rod	Eff %	95%		95%		Wt	42.76 ppf	HWDP	10	306.63'									
Output	SPM	4.51 gpm		4.51 gpm		Drill Collars	OD	6 1/2"											
Pump Rate: gpm/bpm	0 gpm		0.0 bpm		0 gpm		0.0 bpm		ID	3.000"									
Slow Pump Rate (spm)									Wt	88.86 ppf									
Slow Pump Press (psi)									TJ	4 1/2 IF									

SURVEYS	MD	Incl	Az	TVD	N-S	E-W	Vsec	DLS	MD	Incl	Az	TVD	N-S	E-W	Vsec	DLS
	6,850.00'	1.70°	107.00°	6,848.65'	-68.13'	20.82'	-68.13'	0.28°/100'	6,442.00'	0.60°	20.00°	6,440.74'	-67.13'	13.29'	-67.13'	0.68°/100'
	6,625.00'	1.20°	91.10°	6,623.72'	-67.11'	15.27'	-67.11'	0.77°/100'	6,362.00'	0.10°	329.00°	6,360.74'	-67.58'	13.18'	-67.58'	0.34°/100'
	6,534.00'	0.60°	116.00°	6,532.73'	-66.88'	13.89'	-66.88'	0.97°/100'	6,224.00'	0.40°	99.00°	6,222.74'	-67.61'	12.77'	-67.61'	0.18°/100'

DAILY OPERATIONS BREAKDOWN: 06:00 hrs. Saturday, 14-Nov-2020 - 06:00 hrs. Sunday, 15-Nov-2020

Start	End	Hours	Description
06:00	07:00	1.00	With bit at TD (6862' MD(KB)), circulate bottoms up with full returns. When bottom coming up, lost partial returns.
07:00	09:00	2.00	Pick up to pump LCM pill. Hole was tight. Set down with 30k down and overpull of 60k picking up. No circulation when attempt to pump. Drag started decreasing at 6660' MD(KB). Continue to pull up to 6530' MD(KB). Fill hole from top down annulus. Hole staying full
09:00	11:00	2.00	Continue to POOH w/ no problems. Hole is staying full. Continue to POOH. Wash and ream hole section 4570'-4480' MD(KB) (area where Slb tools set down). Saw no drag or torque. Continue to POH.
11:00	11:30	0.50	Had to stop POOH due to high wind and gusts.
11:30	16:00	4.50	Continue to POOH. Had no hole problems. Hole taking proper fill.
16:00	16:30	0.50	Blow down topdrive, clean floor from trip, preparing to rig up wireline.
16:30	17:00	0.50	Spot and rig up Schlumberger wireline unit. Pick up logging tools.
17:00	23:00	6.00	RIH with logging tools. Tag up at 6740' MD(KB). Log out at 1800 ft/hr: Platform Express w/ Borehole Compensated Sonic & Xtreme Natural Gamma Ray Spectroscopy. No hole problems while logging. RD Schlumberger.
23:00	00:30	1.50	Prepare rig to RIH. PU BHA and RIH to Surface Shoe.
00:30	02:00	1.50	Change out blower motor on top drive.
02:00	02:30	0.50	Rig service grease equipment on floor.
02:30	04:30	2.00	Continue RIH, breaking circulation as needed.
04:30	05:00	0.50	Break circulation at 2207' MD(KB). Blow down topdrive.
05:00	06:00	1.00	Continue to RIH
			Note: Having to manually input Bit Depth into Pason. Line in the mast was repaired, but Pason Bit Depth still not working. Pason Tech called and is on the way.
			Note: 177 joints and 2 pup joints of 5 1/2", 17.0 ppf, P-110, LT&C delivered to location.

TOTAL HRS	24.00	Safety Meeting	Wireline logging, driving around location, working in high winds
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HSE Incidents (Near Miss, Accident, LTA):
NONE

FUEL	@ 06:00 Hrs. Today	1,700 gal	@ 06:00 hr Yesterday	2,000 gal	Received	0 gal	Used	300 gal
WATER	@ 06:00 Hrs. Today	1,000 bbl	@ 06:00 hr Yesterday	800 bbl	Received	200 bbl	Used	0 bbl
Weather	Clear & Sunny		Drilling Cont.	Cartel Drilling	Wellsite Supervisor	Kevin Boynton		
Air Temp / Wind Chill	33°F / 33°F		Rig No.	X15	Cell Phone	(816) 863-0478		
Road / Pad Condition	Dusty		Toolpusher	Shawn McIntyre	Wellsite Supv Office	(970) 549-0971		
Winds	Calm W		Cell Phone	(307) 259-5318	KODA Onsite Office	(970) 549-0986		
	Forecast 30-40 mph today		Rig Office No.					