



HIGHPOINT OPERATING

Prepared for
Jeff Overman / Matt Schwartz

05-123-47303
Critter Creek 15-6302B

*Located in
Weld County, CO*

Prepared by
Paul Novotny
on
Wednesday, September 19, 2018

Serviced from the Brighton Facility
For Customer Service Call: 303-857-7948

Rig Name: Cade 24

Proposal Version: 0

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Contact Information

Serviced from the Brighton Facility
For Customer Service Call: 303-857-7948

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Account Manager

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District Manager
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Field Manager

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Field Sales

Paul Novotny
Engineer

Intermediate Casing

Job Data							
MD / TVD	7,770 ft / 7,770 ft	Casing	7 in. 23#, (0 to 7,770 ft)				
Est. BHST/BHCT	202°F / 170°F (0) (2.60°F/100ft)	Open Hole	8.75 in. O.H. (1,549 to 7,770 ft)				
Mud Weight & Type	8.9#, WBM	Previous Casing	9.625 in. 36# (0 to 1,550 ft)				
		Round Trip Miles	180				
Comment							
Calculations							
Stage	Length	OH ID / Tail ID	Pipe OD	Excess	CF/FT	Volume(cf)	Volume bbl
Lead	249	8.921	7.000	0%	0.167	41.5	7.4
Lead	5,716	8.750	7.000	20%	0.180	1,031.1	183.7
Tail	500	8.750	7.000	20%	0.180	90.2	16.1
Shoe Track	41	6.366			0.221	9.06	1.6
Spacer							
	Concentration	Item Code	Description				
	10 PPB	CJ890	Dust Flush				
						Volume (bbl)	40.00
Lead							
	Concentration	Item Code	Description				
	100 %	CJ922	Type III Portland Cement				
	0.3 %	CJ704	Anti Settling Control				
	0.6 %	CJ210K	LT Retarder				
	2.0 %	CJ042	Mid Grade Silica Fume				
	0.4 %	CJ511	HT Fluid Loss (Salt Tolerant)				
	10 PPS	CJ611C	Coated Gilsomite C				
	0.25 PPS	CJ613	PhenoSeal LCM				
	0.4 %	CJX157011	Solid Antifoam				
Top Depth (ft)	1,300		Slurry Density (ppg)			12.50	
Volume (sx)	510		Yield (cf/sx)			2.14	
Excess (%)	20%		Water (gps)			11.05	
			Est. Free Water (mL/250mL)			0	
Est. UCA	822/24hr		Est. Fluid Loss			180	

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Crittter Creek 15-6302B

September 19, 2018

**Intermediate Casing**

Tail				
	Concentration	Item Code	Description	
	100 %	CJ914	Class G Cement	
	0.2 %	CJ704	Anti Settling Control	
	0.6 %	CJ511	HT Fluid Loss (Salt Tolerant)	
	0.5 %	CJ415	Dispersant HMW	
Top Depth (ft)	7,265		Slurry Density (ppg)	15.80
Volume (sx)	90		Yield (cf/sx)	1.15
Excess (%)	20%		Water (gps)	4.95
			Est. Free Water (mL/250mL)	0
Est. UCA	1730psi/8hr		Est. Fluid Loss	64
Displacement				
	Volume (bbl)			304.08