



## Extraction Oil and Gas

Prepared For  
**Craig East**

API Number: 05-123-11104

***Knister 1***

*Balanced Plugs Cement*

*Located in*

*Weld County, CO*

SESW Sec 29 5N66W

Prepared by  
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on

Monday, February 12, 2018

Serviced from the Brighton, Colorado facility  
For Customer Service Call  
720-408-9201

Proposal Version: 2

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Extraction Oil and Gas  
Knister 1  
Balanced Plugs  
2/12/2018

Rig: RIG



**Job Data**

Job Type	Balanced Plugs
Round Trip Mileage	50
Previous Casing	8.625" 24# to 287' 4.5" 11.6# to 7300'
Hole Size	10" to 4942'
MD	7300

**Fluid Requirements**

**Spacer**

5 bbls water

**Stub Plug**

100% Class G+0.2% CFR+0.5% C-17+0.5% SCA-7+0.2% C-49+0.1% C-20+0.25#/sx Cello Flake

Volume (sx)	225	47 (bbls)
Weight (ppg)	15.80	
Yield (cf/sx)	1.16	
Water (gps)	4.98	
Top of Cement (ft)	4475	
Excess (%)	0%	

**Shoe Plug**

100% MigraSeal+0.25#/sx Cello Flake

Volume (sx)	190	47 (bbls)
Weight (ppg)	14.60	
Yield (cf/sx)	1.38	
Water (gps)	6.61	
Top of Cement (ft)	187	
Excess (%)	0%	