



## Extraction

Prepared For  
**Craig East**

API Number: 05-005-06473

***Gladys Cavanaugh #1***

*Surface Plug Cement*

*Located in*

*Arapahoe County, Colorado*

SENE 21-4S-64W

Prepared by  
Paul Novotny

on

Friday, November 3, 2017

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



Extraction  
 Gladys Cavanaugh #1  
 Surface Plug  
 11/3/2017

Rig: RIG



**Job Data**

Job Type	Surface Plug
Round Trip Mileage	80
Previous Casing	8.625" 24# to 403'
Hole Size	7.875" to 1650'
MD	1650
Notes	Bring 400 lbs CaCl2 on the side

**Volumes**

	Length (ft)	OD (in)	ID (in)	Excess (%)	CF/FT	Vol. (cf)	Vol. (bbl)
OH Plug	100	7.875	0.000	20%	0.4059	40.6	7.2
Stub Plug	403	8.097	0.000	0%	0.3576	144.1	25.7
Stub Plug	697	7.875	0.000	20%	0.4059	282.9	50.4

**Fluid Requirements**

**Spacer**

5 bbls Fresh Water

**OH Plug**

100% Class G

Volume (sx)	40
Weight (ppg)	15.80
Yield (cf/sx)	1.15
Water (gps)	5.00
Top of Cement (ft)	1550
Excess (%)	20%

**Stub Plug**

100% Class G

Volume (sx)	375
Weight (ppg)	15.80
Yield (cf/sx)	1.15
Water (gps)	5.00
Top of Cement (ft)	0
Excess (%)	20%

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REF. #	DESCRIPTION	QUANTITY	UNIT PRICE	DISCOUNT	GROSS	NET TOTAL
CM006	O-Tex Ultra Premium Cement (94lbs/ft3)					
CT002	Pump Charge 0-2000'					
JM001	Data Acquisition System					
AE014	Environmental Fee*					
ML001	Pickup Mileage					
ML002	Pump Truck/Heavy Vehicle Mileage					
ML003	Bulk Cement Delivery/Return					
MX001	Bulk Material Mixing Service Charge					
<b>If Needed Item</b>						
CC015	Pump Charge Additional Hours					
AE012	Bulk Unit Additional Hours					
CP018	Calcium Chloride					
CP031	Sugar					
CP009	CF-41 (Foam Preventer)					