



Job Summary

Ticket Number	Ticket Date
TN# FL3193	3/2/2018

COUNTY	COMPANY	API Number
Weld	Extraction Oil and Gas	05-123-12028
WELL NAME	RIG	JOB TYPE
Knister 3	Brigade #11	Shoe Plug
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SESW Sec 29 5N66W	Austin Klosterman	Craig East

EMPLOYEES
Clark, John
Kopp, Jeff

WELL PROFILE

Max Treating Pressure (psi):	1000	Bottom Hole Static Temperature (°F):	0
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	7.875	710	431		
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24	J-55	431	0		

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7	P-110	810	0		

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	11.6		810	710		

CEMENT DATA

Stage 1:	From Depth (ft):	810	To Depth (ft):	200
Type: Shoe Plug	Volume (sacks):	160	Volume (bbls):	32.7

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G	15.8	1.15	5.00

SUMMARY

Preflushes:	10 bbls of	SAPP	Calculated Displacement (bbl):	Stage 1	Stage 2
	5 bbls of	Fresh Water	Actual Displacement (bbl):	1	
	bbls of			1	
Total Preflush/Spacer Volume (bbl):	15	Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Slurry Volume (bbl):	32.7	Lost Returns (Y/N):	N (if Y, when)		
Total Fluid Pumped	48.7				
Returns to Surface:					

Job Notes (fluids pumped / procedures / tools / etc.):

Job went according to program and customer's request. Job went well.

Thank You For Using
O-TEX Cementing

Customer Representative Signature:

[illegible]

Service Location: Brighton, Colorado 303-857-7948
Service Address: 821 County Road 27, Brighton, CO 80603

FIELD RECEIPT

TN # FL3193

Service Date:	3/2/2018
Customer:	Extraction Oil and Gas
Address:	370 17th Street Suite 5300
City:	Denver
St:	CO 80202
Customer Rep:	Craig East

Well Name:	Knister 3
County:	Weld
State:	CO
API #	05-123-12028
AFE #	

Job Type: **Shoe Plug**

Service Supervisor:	Klosterman, Austin
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Pump #1	445033
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Pump #2	
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[illegible]

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: _____

DISCLAIMER OF LIABILITY: With respect to this report, neither C&J Energy Services nor any of their employees, makes any warranty, express or implied, including the warranties of merchantability and fitness for a particular purpose, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.



Field Cementing Water Analysis

Company: Extraction Oil and Gas
 Well: Knister 3

Test Date: 3/2/2018
 Ticket Number: FL3193

Ion	Sample Volume	Titer	Factor	Concentration	Units	Limit
pH				8		6 - 8
Calcium	50		0.801	32	mg/l	<300
Total Hardness				120	mg/l	<600
Chlorides				103	mg/l	<500
Alkalinity				40	mg/l CaCO ³	<600
Slurry Temperature				65	°F	50-80°F

Water Analysis Limits		
	Limits	Potential Impact of Excess
pH	6 - 8	Accelerate or Retard Set Time, Short & Long Term Stability Issues
Calcium	<300	Accelerate Set Times and Higher Mixing Viscosities
Total Hardness	<600	Accelerate or Retard Set Time and Higher Mixing Viscosities
Chlorides	<500	Accelerate Set Time, Higher Mixing Visc, Interfere with fluid loss chemical
Alkalinity	<600	Accelerate or Retard Set Time, Lower Compressive Strength, Higher Visc
Slurry Temperature	50-80°F	Blend will not perform as designed

O-Tex Supervisor Signature: _____

Company Supervisor Signature: _____

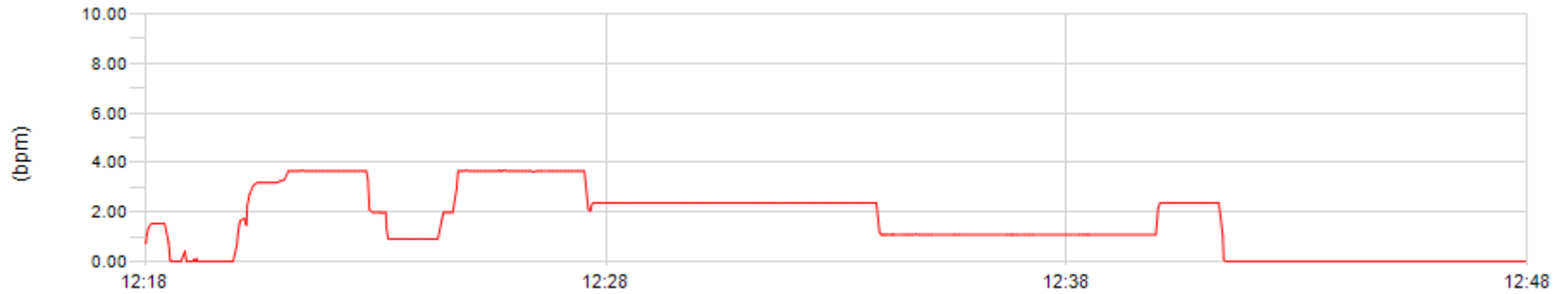


Client Extraction
Ticket No. 3193
Location Sec29:T5N:R66W
Comments See job log.

Client Rep Craig East
Well Name Knister 3
Job Type Abandonment Plugs

Supervisor A. Klosterman
Unit No. 445033
Service District Brighton, CO
Job Date 03/02/2018

Unit 445033 Rate Total



Unit 445033 Pump Pressure



Unit 445033 Density

