



# Job Summary

Ticket Number	Ticket Date
TN# <b>BCO-1904-0101</b>	<b>4/23/2019</b>

COUNTY	COMPANY	API Number
<b>Weld</b>	<b>BONANZA CREEK ENERGY</b>	<b>05-123-49094</b>
WELL NAME	RIG	JOB TYPE
<b>Antelope Federal T34-20-17XRLNB</b>	<b>Akita 519</b>	<b>Surface Casing</b>
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
<b>40.379872 -104.346612</b>	<b>Tony Yates</b>	<b>Tim</b>

EMPLOYEES		

<b>WELL PROFILE</b>			
Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	

### Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	13.5	1636	0		
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	9 5/8	36		1626	0		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

### CEMENT DATA

<b>Stage 1:</b>	From Depth (ft):	1004	To Depth (ft):	0
Type: <b>Lead cement</b>	Volume (sacks):	295	Volume (bbls):	127
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
Lead Cement		12	2.42	14.25

<b>Stage 2:</b>	From Depth (ft):	1636	To Depth (ft):	1004
Type: <b>Tail cement</b>	Volume (sacks):	230	Volume (bbls):	60
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
Tail Cement		14.2	1.47	7.31

<b>Stage 3:</b>	From Depth (ft):	38	To Depth (ft):	0
Type: <b>Top Off</b>	Volume (sacks):	40	Volume (bbls):	9.4
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% type 3 portland cement		14.6	1.33	6.32

<b>Stage 4:</b>	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.

### SUMMARY

Preflushes:	10 bbls of Dye	Calculated Displacement (bbl):	122.4	Stage 1	Stage 2
		Actual Displacement (bbl):	122.4		
Total Preflush/Spacer Volume (bbl):	10	Plug Bump (Y/N):	Y	Bump Pressure (psi):	980
Total Slurry Volume (bbl):	187	Lost Returns (Y/N):		(if Y, when)	
Total Fluid Pumped	197				
Returns to Surface:	Cement	33 bbls			

Job Notes (fluids pumped / procedures / tools / etc.): Pumped 10 bbls water with red dye. Mixed and pumped 127 bbls lead cement at 12 ppg (295 sacks). Mixed and pumped 60 bbls tail cement at 14.2 ppg (230 sacks). Displaced 122.4 bbls fresh water. Landed plug 500 psi over. Checked floats 1/2 bbl back. Pressure tested casing for 15 min at 500 psi. See job log for details.

**Thank You For Using**  
**CJES O-TEX Cementing**

Customer Representative Signature: \_\_\_\_\_

Cement Job Log



Customer:	BONANZA CREEK ENERGY	Date:	4/23/2019	Serv. Supervisor:	Tony Yates
Cust. Rep.:	Tim	Ticket #:	BCO-1904-0101	Serv. Center:	Brighton - 3021
Lease:	Antelope Federal T34-20-17XRLNB	API Well #:	05-123-49094	County:	Weld State: CO
Well Type:	Oil	Rig:	Akita 519	Type of Job:	Surface Casing

Materials Furnished by C&J ENERGY SERVICES

Plugs	Casing Hardware	Physical Slurry Properties						
		Sacks of Cement	Fluid Dens (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Mix Water (bbls)
Spacer - 20 bbl Fresh Water						10.00		
Lead	100 % CJ922 +2.0 % CJ110+2.0 % CJ101+0.25 PPS CJ600+0.4 % CJX157011	295	12		2.42	14.25	127.14	100
Tail	100 % CJ922 +1.0 % CJ110+0.25 PPS CJ600+0.4 % CJX157011	230	14.2		1.47	7.31	60.37	40
Top Out (If Needed)	Type 3 portland cement 100%	40	14.6		1.33	6.32	9.47	6
Displacement Chemicals:								





Client Bonanza Creek  
 Ticket No. BCO-1904-0101  
 Location 20-5N-62W  
 Comments See job log for details

Client Rep Tim  
 Well Name Antelope Federal T34-20-17XRLNB  
 Job Type Surface Casing

Supervisor Tony Yates  
 Unit No. 445528  
 Service District Brighton CO  
 Job Date 04/23/2019

