

# Job Summary

Ticket Number	Ticket Date
TN# <b>BCO-1903-0009</b>	<b>3/9/2019</b>

COUNTY	COMPANY	API Number
<b>Weld</b>	<b>BONANZA CREEK ENERGY</b>	<b>05-123-48258</b>
WELL NAME	RIG	JOB TYPE
<b>Antelope 024-19-18XRLNC</b>	<b>Akita 519</b>	<b>Surface Casing</b>
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
<b>40.378348 -104.361331</b>	<b>Tony Yates</b>	<b>Kenny Graham</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	1635	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		1625	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):	977	To Depth (ft):	0
Type: <b>Surface casing</b>	Volume (sacks):	290	Volume (bbls):	124.9
	Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
	Lead	12	2.42	14.26

<b>Stage 2:</b>	From Depth (ft):	1625	To Depth (ft):	977
Type: <b>Surface casing</b>	Volume (sacks):	230	Volume (bbls):	60.2
	Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
	Tail	14.2	1.47	7.33

<b>Stage 3:</b>	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
	Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

<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:	20 bbls of Dye	Calculated Displacement (bbl):	122.2	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	122.2		
	bbls of				
Total Preflush/Spacer Volume (bbl):	20	Plug Bump (Y/N):		Bump Pressure (psi):	
Total Slurry Volume (bbl):	185.1	Lost Returns (Y/N):		(if Y, when)	
Total Fluid Pumped	205.1				
Returns to Surface:	Cement	40 bbls			

Job Notes (fluids pumped / procedures / tools / etc.): Pumped 20 bbls fresh water with dye. Mixed and pumped 124.9 bbls lead cement at 12 ppg (290 sacks). Mixed and pumped 60.2 bbls tail cement at 14.2 ppg (230 sacks). Dropped plug and displaced 122.2 bbls fresh water. Bumped plug at 4 bbl/ min at 1050 psi. Held pressure for 3 min. Checked floats, got 1/2 bbl water back. See job log for details.

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

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

## Cement Job Log

<b>C&amp;J ENERGY SERVICES</b>											
Customer:	BONANZA CREEK ENERGY				Date: 3/9/2019		Serv. Supervisor: Tony Yates				
Cust. Rep.:	Kenny Graham				Ticket #: BCO-1903-0009		Serv. Center Brighton - 3021				
Lease:	Antelope O24-19-18XRLNC				API Well #: 05-123-48258		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										20.00	
Lead		100 % CJ922 +2.0 % CJ110+2.0 % CJ101+0.25 PPS CJ600			290	12		2.42	14.26	124.80	98
Tail		100 % CJ922 +1.0 % CJ110+0.25 PPS CJ600			230	14.2		1.47	7.33	60.28	40
0											
Displacement Chemicals:											

**C&J ENERGY SERVICES**

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3/14/2019

