

Job Summary

 Ticket Number
 TN# **BCO-1904-0102** Ticket Date
4/24/2019

COUNTY	COMPANY	API Number
Weld	BONANZA CREEK ENERGY	05-123-49092
WELL NAME	RIG	JOB TYPE
Antelope Federal T-20-17XRLNC	Akita 519	Surface Casing
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.379817 -104.346608	Tony Yates	Tim

EMPLOYEES

WELL PROFILE			
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

Stage 1:	From Depth (ft):	1004	0
Type: Lead cement	Volume (sacks):	295	Volume (bbls): 127

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
Lead cement	12	2.42	14.25

Stage 2:	From Depth (ft):	1636	To Depth (ft): 1004
Type: Tail cement	Volume (sacks):	230	Volume (bbls): 60

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
Tail cement	14.2	1.47	7.31

Stage 3:	From Depth (ft):	30	To Depth (ft): 0
Type: Top Off	Volume (sacks):	10	Volume (bbls): 2.4

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

Stage 4:	From Depth (ft):		To Depth (ft):
Type:	Volume (sacks):		Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

SUMMARY

			Stage 1	Stage 2
Preflushes:	10 bbls of Dye	Calculated Displacement (bbl):	122.4	
	bbls of	Actual Displacement (bbl):	122.4	
	bbls of			
Total Preflush/Spacer Volume (bbl):	10	Plug Bump (Y/N):	Y	Bump Pressure (psi): 920
Total Slurry Volume (bbl):	187	Lost Returns (Y/N):		(if Y, when)
Total Fluid Pumped	197			
Returns to Surface:	Cement	40 bbls		

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

Pumped 10 bbls 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. Check floats 1 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:	4/24/2019		Serv. Supervisor:	Tony Yates	
Cust. Rep.:	Tim		Ticket #:	BCO-1904-0102		Serv. Center	Brighton - 3021	
Lease:	Antelope Federal T-20-17XRLNC		API Well #:	05-123-49092		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
Tail		100 % CJ922 +1.0 % CJ110+0.25 PPS CJ600+0.4 % CJX157011		230	14.2		1.47	7.31
Top Out (If Needed)		+100 % CJ914		10	14.6		1.33	6.32
Displacement Chemicals:								

Cement Job Log



Customer: BONANZA CREEK ENERGY				Date: 4/24/2019				Serv. Supervisor: Tony Yates				
Cust. Rep.: Tim				Ticket #: BCO-1904-0102				Serv. Center Brighton - 3021				
Lease: Antelope Federal T-20-17XRLNC				API Well #: 05-123-49092				County: Weld		State: CO		
Well Type: Oil				Rig: Akita 519				Type of Job: Surface Casing				
OPEN HOLE DATA				TUBULAR DATA								
13.5 in. O.H. 0 to 1,620 ft				9.625 in. 36#, (0 to 1,620 ft)		SIZE WEIGHT	THREAD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
PREVIOUS CASING DATA				PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS				
				TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP	
WELL FLUID		DISPLACEMENT FLUID		DIFF PRESS (psi)	CSG LIFT (psi)	MAX PRESS (psi)			WATER ON LOC (bbl)			
TYPE	DENSITY	VOLUME	DENSITY									
		122.4 bbl	water	8.3 ppg	884	2000			400			
Time	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Details					
8:00 AM						0	ARRIVE ON LOCATION					
9:40 AM						0	SPOT EQUIPMENT					
9:55 AM						0	RIG UP IRON AND HOSES					
10:20 AM						0	PRE JOB SAFETY MEETING					
10:42 AM	2	10			3	3	LOAD LINES TO TEST					
10:44 AM						3	TEST PUMP AND LINES TO 3150 PSI					
10:46 AM	3	150			10	13	START FRESH WATER SPACER WITH RED DYE					
10:51 AM	6.5	150			127	140	MIX AND PUMP 127 BBLS LEAD CEMENT AT 12 PPG					
11:10 AM	6.5	200			60	200	MIX AND PUMP 60 BBLS CEMENT AT 14.2 PPG					
11:22 AM						200	SHUT DOWN / DROP PLUG					
11:26 AM	6	400			122.4	322.4	DISPLACE 122.4 BBLS FRESH WATER					
11:50 AM	3	920				322.4	LAND PLUG					
11:56 AM						322.4	CHECK FLOATS					
11:57 AM		500				322.4	PRESSURE TEST CASING FOR 15 MIN					
12:12 PM					2.5	324.9	BLEED OFF PRESSURE					
12:25 PM						324.9	TOP OFF LAST WELL					
12:35 PM							RIG OUT					
12:55 PM							WASH PUMP					
Left Yard				Left Loc.			Start Pump		4/24/19 10:42 AM			
Arrived Loc.	4/24/19 8:00 AM			Returned Yd.			End Pump		4/24/19 12:30 PM			
Bumped Plug (psi)	Final Differential (psi)	Floater Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Top of Cement (ft)	Full Circ. During Job (Y/N)	Max Pump Pressure (psi)	Casing Rotation	Standby Charged (hrs)	Casing Reciprocation		
Yes	920	Yes		40	0	Yes	920					
							Tony Yates					
							Service Supervisor					Date



Client Bonanza Creek
Ticket No. BCO-1904-0102
Location 20-5N-62W
Comments See job log for details

Client Rep Tim
Well Name Antelope Federal T-20-17XRLNC
Job Type Surface Casing

Supervisor Tony Yates
Unit No. 445528
Service District Brighton CO
Job Date 04/24/2019

