

Job Summary

Ticket Number	Ticket Date
TN# BCO-1904-0104	4/25/2019

COUNTY	COMPANY	API Number
Weld	BONANZA CREEK ENERGY	05-123-49090
WELL NAME	RIG	JOB TYPE
Antelope Federal 44-20-17XRLNC	Akita 519	Surface Casing
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.379707 -104.346599	Tony Yates	Tim Joel

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):	1040	To Depth (ft):	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):	35	To Depth (ft):	0
Type: Top Off	Volume (sacks):	40	Volume (bbls):	9.5
	Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
	100% type 3	14.6	1.33	6.32

Stage 4:	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
	bbls of		Actual Displacement (bbl):	122.4		
	bbls of					
Total Preflush/Spacer Volume (bbl):	10		Plug Bump (Y/N):	Y	Bump Pressure (psi):	900
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 . Checked floats 1/2 bbl back. Pressure tested casing for 15 min at 500 psi. Topped off previous well. See job log for details.

Thank You For Using
CJES O-TEX Cementing

Customer Representative Signature: _____

Cement Job Log



Customer:	BONANZA CREEK ENERGY		Date:	4/25/2019		Serv. Supervisor:	Tony Yates	
Cust. Rep.:	Tim Joel		Ticket #:	BCO-1904-0104		Serv. Center	Brighton - 3021	
Lease:	Antelope Federal 44-20-17XRLNC		API Well #:	05-123-49090		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)
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
Tail	100 % CJ922 +1.0 % CJ110+0.25 PPS CJ600+0.4 % CJX157011		230	14.2		1.47	7.31	60.37
Top Out (If Needed)	+100 % CJ914		40	14.6		1.33	6.32	9.47
Displacement Chemicals:								

Cement Job Log



Customer: BONANZA CREEK ENERGY		Date: 4/25/2019		Serv. Supervisor: Tony Yates		
Cust. Rep.: Tim Joel		Ticket #: BCO-1904-0104		Serv. Center Brighton - 3021		
Lease: Antelope Federal 44-20-17XRLNC		API Well #: 05-123-49090		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)	
TYPE	DENSITY	VOLUME	TYPE	DENSITY	MAX PRESS (psi)	
		122.4 bbl	WATER	8.3 ppg	2000	
				884		
					400	
Time	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	
					Cum. Vol. (bbl)	
					Stage Details	
7:30 PM					0 ARRIVE ON LOCATION	
8:45 PM					0 SPOT EQUIPMENT	
9:10 PM					0 RIG UP IRON AND HOSES	
9:45 PM					0 PRE JOB SAFETY MEETING	
10:00 PM	4	50			3 LOAD LINES TO TEST	
10:03 PM					3 TEST PUMP AND LINES TO 4100 PSI	
10:05 PM	3.5	40			10 13 START FRESH WATER SPACER WITH RED DYE	
10:10 PM	7	200			127 140 MIX AND PUMP 127 BBLS LEAD CEMENT AT 12 PPG	
10:29 PM	7	250			60 200 MIX AND PUMP 60 BBLS TAIL CEMENT AT 14.2 PPG	
10:40 PM					200 SHUT DOWN / DROP PLUG	
10:45 PM	6	350			122.4 322.4 DISPLACE 122.4 BBLS FRESH WATER	
11:08 PM		900			322.4 LAND PLUG	
11:11 PM					322.4 CHECK FLOATS	
11:13 PM		500			322.4 PRESSURE TEST CASING	
11:28 PM					322.4 BLEED OFF PRESSURE	
11:45 PM	.3	20			9.5 331.9 TOP OFF LAST WELL	
12:05 AM					SHUT DOWN	
12:10 AM					RIG OUT	
12:35 AM					WASH PUMP	
Left Yard				Left Loc.		
Arrived Loc.	4/25/19 7:30 PM			Returned Yd.		
Bumped Plug (psi)	Final Differential (psi)	Floats Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Top of Cement (ft)	
Yes	900	Yes		40	0	
					Yes	
					900	
					Casing Rotation	
					Standby Charged(hrs)	
					1	
					Casing Reciprocation	
					Service Supervisor	
					Date	



Client Bonanza Creek
Ticket No. BCO-1904-0104
Location 20-5N-62W
Comments See job log

Client Rep Sam
Well Name Antelope Federal 44-20-17XRLNC
Job Type Surface Casing

Supervisor Tony Yates
Unit No. 445528
Service District Brighton co
Job Date 04/25/2019

