

COUNTY	COMPANY	API Number
WELD	BONANZA CREEK ENERGY	512350291
WELL NAME	RIG	JOB TYPE
State Antelope Y-E-13HNC	Akita 519	CM-SURFACE CASING
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.401006 -104.263669	Francisco Flores	Kenny Graham

EMPLOYEES
Tyler Ingalls
Kevin Pyfer
Josh McCaffrey

WELL PROFILE			
Max Treating Pressure (psi):	1000	Bottom Hole Static Temperature (°F):	
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)
	13.5	0	1645		
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	9.625	36		0	1635		
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):	0	To Depth (ft):	953
Type: Lead Cement	Volume (sacks):	305	Volume (bbls):	133.6
Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.	
	12	2.46	14.48	

Stage 2:	From Depth (ft):	953	To Depth (ft):	1645
Type: Tail Cement	Volume (sacks):	230	Volume (bbls):	60.2
Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.	
	14.2	1.47	7.31	

Stage 3:	From Depth (ft):		To Depth (ft):	
Type: Top Off on Previous 6 wells	Volume (sacks):	75	Volume (bbls):	15.3
Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.	
100% CJ914	15.8	1.15	5.00	

### SUMMARY

Preflushes:	3 bbls of Fresh Water	Calculated Displacement (bbl):	122.5	Stage 1	Stage 2
	10 bbls of Fresh Water	Actual Displacement (bbl):	122.5		
	10 bbls of Dye	Plug Bump (Y/N):	Y	Bump Pressure (psi):	964
Total Preflush/Spacer Volume (bbl):	23	Lost Returns (Y/N):	N	(if Y, when)	
Total Slurry Volume (bbl):	193.8				
Total Fluid Pumped	354.6				
Returns to Surface:	Cement	50 bbls			

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

TD@1645'. Surface shoe@1635'. Float collar@1592'. Mix & pump 305sx@12ppg 2.46Y. Followed by tail cement 230sx@14.2ppg 1.47Y. Displaced calculated 122.5 bbls to bump plug. Checked floats and got .5 bbl back. Per company man performed a 15 min casing test. Topped off previous 6 wells with 75sx@15.8ppg 1.15Y. Pumped job per company man request. Job went great. Thank you!

Thank You For Using  
NexTier Completion Solutions

Customer Representative Signature:

## Cement Job Log



Customer:	BONANZA CREEK ENERGY				Date:	9-Jan-20				Serv. Supervisor:	Francisco Flores				
Cust. Rep.:	Kenny Graham				Ticket #:	BCO-2001-0014				Serv. Center:	Brighton - 3021				
Well Name:	STATE ANTELOPE Y-E-13HNC				API Well #:	512350291				County:	WELD		State:	COLORADO	
Well Type:	Oil				Rig:	Akita 519				Type of Job:	CM-SURFACE CASING				
Materials Furnished by NexTier															
Plugs		Casing Hardware				Physical Slurry Properties									
						Sacks of Cement	Fluid Density (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Mix Water (bbls)			
								0%							
0								0%							
20 bbl Water								0%			20.00				
Lead		100 % CJ922 +2.0 % CJ110+2.0 % CJ101+0.25 PPS CJ600+0.4 % CJX157011+2.0 % CJ030				305	12	30%	2.46	14.48	133.75	105			
Tail		100 % CJ922 +1.0 % CJ110+0.25 PPS CJ600+0.4 % CJX157011				230	14.2	30%	1.47	7.31	60.37	40			
Displacement								0%			125.32				
								0%							
								0%							
								0%							
								0%							
								0%							
Displacement Chemicals:															
OPEN HOLE DATA				TUBULAR DATA											
13.5 in O.H. (1645 to 0)				9.625 in 36# (1635 to 0)				SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)	
Mix Cemt. Temperature °F	Lead Tmp.	Middle Temp.	Tail Temp.												
PREVIOUS CASING DATA				PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS							
				TOP		BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP			
									1635	1592					
WELL FLUID		DISPLACEMENT FLUID				DIFF PRESS	CSG LIFT	MAX PRESS	Total Number of Runs				WATER ON LOC (bbl)		
TYPE	DENSITY	VOLUME	TYPE	DENSITY		(psi)	(psi)	(psi)							
		122.5 bbl	H2O	8.3 ppg				1000	1				400		
Bumped Plug	Final Differential (psi)	Floats 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	Wireline Co.				
Yes		Y	1,500.00	50.00	-	Yes	1,000.00	No	-		0				
Comments/Special Customer Instructions															
								<div>Francisco Flores</div> <div>Service Supervisor</div>							
								<div>9-Jan-20</div> <div>Date</div>							

# NEXTIER

1/10/2020



Client  
Ticket No.  
Location  
Comments

Bonanza Creek  
20010014  
Weld County  
See job log S1

Client Rep  
Well Name  
Job Type

Kenny Graham  
State Antelope Y-E-13HNC  
Surface Casing

Supervisor  
Unit No.  
Service District  
Job Date

Francisco Flores  
445052  
Brighton  
01/09/2020

