NexTier Job Summary

Ticket Number	Ticket Date
TN# BCO-2001-0013	1/9/2020

COUNTY	COMPANY	API Number
WELD	BONANZA CREEK ENERGY	05-123-50287
WELL NAME	**RIG**	**JOB TYPE**
State Antelope Y44-E14-13HNB	Akita 519	CM-SURFACE CASING
SURFACE WELL LOCATION	**CJES Field Supervisor**	**CUSTOMER REP**
40.401061 -104.263671	Tony Yates	Sam

EMPLOYEES

WELL PROFILE

Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole

	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
1	13.5	0	1644		
2					

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	J-55	0	1634		

CEMENT DATA

Stage 1: Type: **Lead**

From Depth (ft): 0 To Depth (ft): 990

Volume (sacks): 300 Volume (bbls): 131.4

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
Lead	12	2.46	14.48

Stage 2: Type: **Tail**

From Depth (ft): 990 To Depth (ft): 1644

Volume (sacks): 230 Volume (bbls): 60.2

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
Tail	14.2	1.47	7.31

Stage 3: Type: **Top Off**

From Depth (ft): To Depth (ft):

Volume (sacks): 12.5 Volume (bbls): 2.55

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100% CJ914	15.8	1.15	5

Stage 4: Type:

From Depth (ft): To Depth (ft):

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.

SUMMARY

				Stage 1	Stage 2
Preflushes:	10 bbls of	Fresh Water	Calculated Displacement (bbl):	123	
	10 bbls of	Dye	Actual Displacement (bbl):	123	
	bbls of				

TotalPreflush/Spacer Volume (bbl): 20

Total Slurry Volume (bbl): 191.6

Total Fluid Pumped 337.6

Returns to Surface: Cement 51 bbls

Plug Bump (Y/N): Y Bump Pressure (psi): 930

Lost Returns (Y/N): N (if Y, when)

Job Notes (fluids pumped / procedures / tools / etc.): Pumped 3 bbls water. Pressure tested iron to 2600 psi. Pumped 10 bbls water. Pumped 10 bbls water with DYE. Mix / pump 131.4 bbls lead cement. Mix / pump 60.2 bbls tail cement. Shut down to drop plug. Displace 123 bbls water. Landed plug at 930 psi. Check floats, got 1/2 bbl back. See job log for details. Topped off with 12.5 sx 15.8 ppg 1.15 y (2.55 bbls).

Customer Representative Signature:

Thank You For Using NexTier Completion Solutions

Cement Job Log

NEXTIER

Customer:	BONANZA CREEK ENERGY	Date:	8-Jan-20	Serv. Supervisor:	Tony Yates		
Cust. Rep.:	Sam	Ticket #:	BCO-2001-0013	Serv. Center	Brighton - 3021		
Well Name:	STATE ANTELOPE Y44-E14-13HNB	API Well #:	512350287	County:	WELD	State:	COLORADO
Well Type:		Rig:	Akita 519	Type of Job:	CM-SURFACE CASING		

Materials Furnished by NexTier

Plugs	Casing Hardware	Sacks of Cement	Fluid Density (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Mix Water (bbls)
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	300	12	30%	2.46	14.48	131.56	103
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%			124.62	
				0%				
				0%				
				0%				
				0%				

Displacement Chemicals:

OPEN HOLE DATA

13.5 in. O.H. 0 to 1,654 ft

Mix Cemt. Temperature °F	Lead Tmp.	Middle Temp.	Tail Temp.
	63.0 °F		65.0 °F

TUBULAR DATA

9.625 in. 36#, (0 to 1,654 ft)

SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)

PREVIOUS CASING DATA

PERFORATED INTERVAL DATA

TOP	BTM	SPF	SIZE

CASING EQUIPMENT DEPTHS

SHOE	FLOAT	STAGE	ACP
1634	1591		

WELL FLUID TYPE	WELL FLUID DENSITY	DISPLACEMENT FLUID VOLUME	DISPLACEMENT FLUID TYPE	DISPLACEMENT FLUID DENSITY	DIFF PRESS (psi)	CSG LIFT (psi)	MAX PRESS (psi)	Total Number of Runs	WATER ON LOC (bbl)
		123 bbl	water	8.3 ppg	480		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	430.00	Y		51.00	-	Yes	930.00	No	-	No	0

Comments/Special Customer Instructions

Tony Yates — Service Supervisor

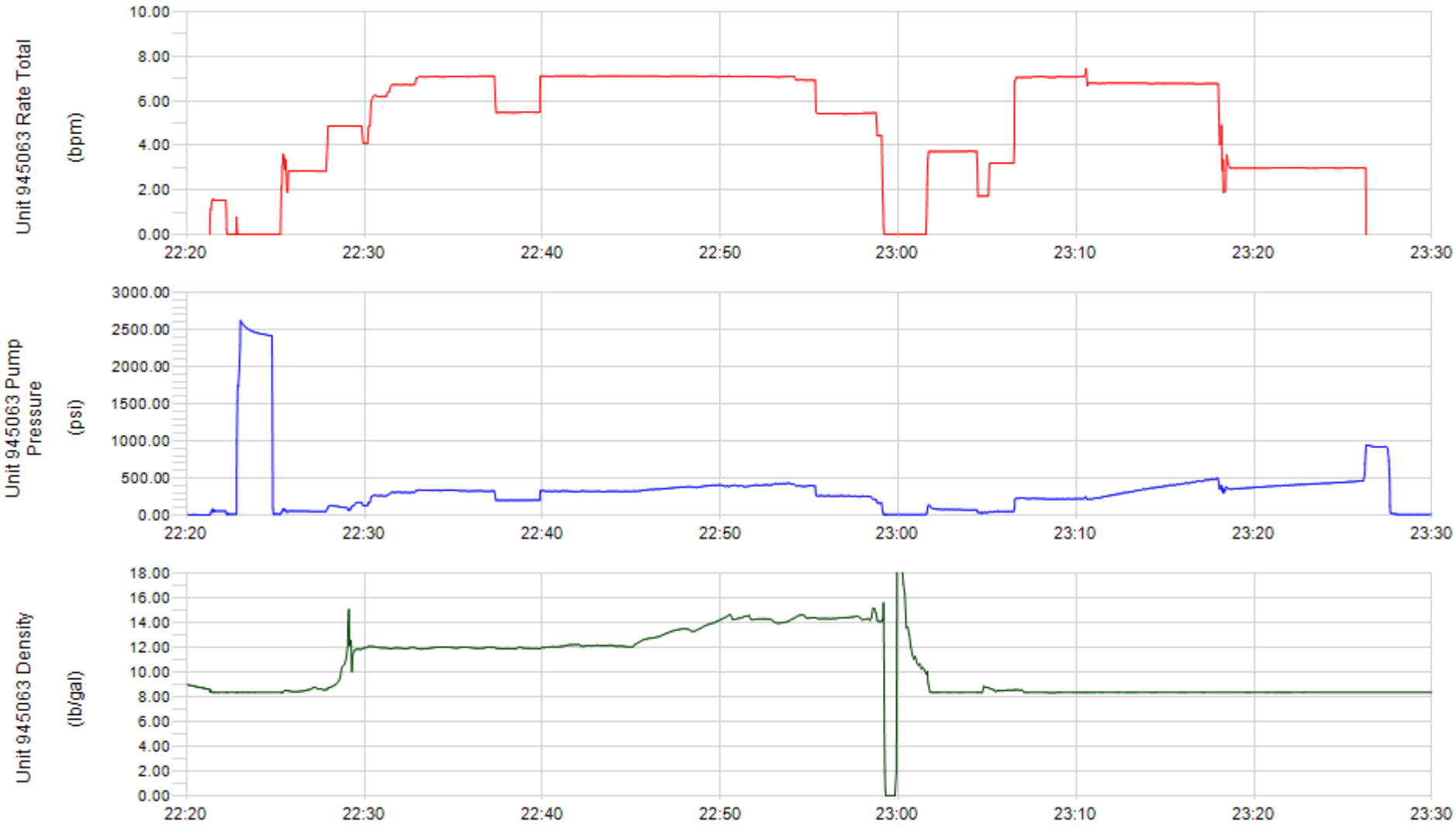
8-Jan-20 — Date

Cement Job Log

NEXTIER

Customer:	BONANZA CREEK ENERGY			**Date:**	8-Jan-20		**Serv. Supervisor:**	Tony Yates	
Cust. Rep.:	Sam			**Ticket #:**	BCO-2001-0013		**Serv. Center:**	Brighton - 3021	
Well Name:	STATE ANTELOPE Y44-E14	**RTS Date:**	8-Jan-00	**API Well #:**	**512350287**		**County:**	**WELD**	**State:** COLORA
Well Type:		**RTS Time:**	12:00 AM	**Rig:**	**Akita 519**		**Type of Job:**	**CM-SURFACE CASING**	

	Date	Time		Date	Time		Date	Time
Left Yard:	08-Jan-20	7:00 PM	**Left Loc.:**	09-Jan-20	**1:30 AM**	**Start Pump:**	08-Jan-20	10:00 PM
Arrived Loc.:	08-Jan-20	**8:30 PM**	**Returned Yd.:**	09-Jan-20	3:00 AM	**End Pump:**	08-Jan-20	11:28 PM

TIME Note: Red boxes indicate bad values!	Rate (bbl/min)	Csg. Press. (psi)	Tbg. Press (psi)	Ann. Press. (psi)	Stg. Vol. (bbl)	Cum. Vol. (bbl)	Stage Num. Stage #	Stage Details
7:00 PM								Left Yard or Current Location
8:30 PM							1	ARRIVE ON LOCATION
8:30 PM							1	ARRIVE ON LOCATION
9:00 PM							1	SPOT EQUIPMENT
9:15 PM							1	RIG UP IRON AND HOSES
9:55 PM							1	PRE JOB SAFETY MEETING
10:16 PM	3		50		3.0 bbl	3.0 bbl	1	LOAD LINES TO TEST
10:17 PM							1	PRESSURE TEST TO 2600 PSI
10:19 PM	3		50		10.0 bbl	13.0 bbl	1	10BBLS WATER
10:22 PM	3		50		10.0 bbl	23.0 bbl	1	10 BBLS WATER WITH DYE
10:26 PM	7.2		400		131.4 bbl	154.4 bbl	1	131.4 BBLS LEAD CEMENT AT 12 PPG
10:46 PM	7.2		400		60.2 bbl	214.6 bbl	1	60.2 BBLS TAIL CEMENT AT 14.2 PPG
11:00 PM							1	SHUT DOWN
11:03 PM	7		430		123.0 bbl	337.6 bbl	1	DROP PLUG / DISPLACE 123 BBLS WATER
11:24 PM	3		930				1	LAND PLUG
11:26 PM							1	CHECK FLOATS
11:55 PM							1	WASH PUMP
12:25 AM							1	RIG OUT
12:42 AM							1	PUMP MAINTENANCE
1:30 AM							1	LEAVE LOCAION

Client	Bonanza Creek	Client Rep	Sam	Supervisor	Tony Yates
Ticket No.	BCO-2001-0013	Well Name	State Antelope Y44-E14-13HNB	Unit No.	945063
Location	13-5N-62W	Job Type	Surface Casing	Service District	Brighton CO
Comments	See job log for details			Job Date	01/08/2020