NexTier Job Summary

Ticket Number	Ticket Date
TN# BCO-2001-0012	1/8/2020

COUNTY	COMPANY	API Number
WELD	BONANZA CREEK ENERGY	512350292
WELL NAME	**RIG**	**JOB TYPE**
State Antelope X44-D14-13HNC	Akita 519	CM-SURFACE CASING
SURFACE WELL LOCATION	**CJES Field Supervisor**	**CUSTOMER REP**
40.401116 -104.263671	Tony Yates	Kenny

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	1646		
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	1636		

CEMENT DATA

Stage 1: Type: **Lead**

From Depth (ft): 0 To Depth (ft): 973

Volume (sacks): 295 Volume (bbls): 129.2

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

Stage 2: Type: **Tail**

From Depth (ft): 973 To Depth (ft): 1646

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):	124.8	
	10	bbls of	Dye	Actual Displacement (bbl):	124.8	
		bbls of			

TotalPreflush/Spacer Volume (bbl): 20

Total Slurry Volume (bbl): 189.4

Total Fluid Pumped 337.2

Returns to Surface: Cement 52 bbls

Plug Bump (Y/N): Y Bump Pressure (psi): 800

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

Job Notes (fluids pumped / procedures / tools / etc.): Pumped 3 bbls water to fill lines. Pressure test lines to 2300 psi. Pumped 10 bbls water. Pumped 10 bbls red Dye. Mix / pump 129.2 bbls lead cement at 12 ppg. Mix / pump 60.2 bbls tail cement at 14.2 ppg. Shut down. Drop plug.Displace 124.8 bbls water. Land plug at 800 psi. Check ed 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.:	Kenny	Ticket #:	BCO-2001-0012	Serv. Center	Brighton - 3021		
Well Name:	STATE ANTELOPE X44-D14-13HNC	API Well #:	512350292	County:	WELD	State:	COLORADO
Well Type:	Oil	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	295	12	30%	2.46	14.48	129.37	102
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%			123.70	
				0%				
				0%				
				0%				
				0%				

Displacement Chemicals:

OPEN HOLE DATA

13.5 in. O.H. 0 to 1,642 ft

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

TUBULAR DATA

9.625 in. 36#, (0 to 1,642 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
1636	1615		

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)
		124.8 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	480.00	Y		52.00	-	Yes	800.00	No	2.00	No	0

Comments/Special Customer Instructions

Tony Yates — Service Supervisor

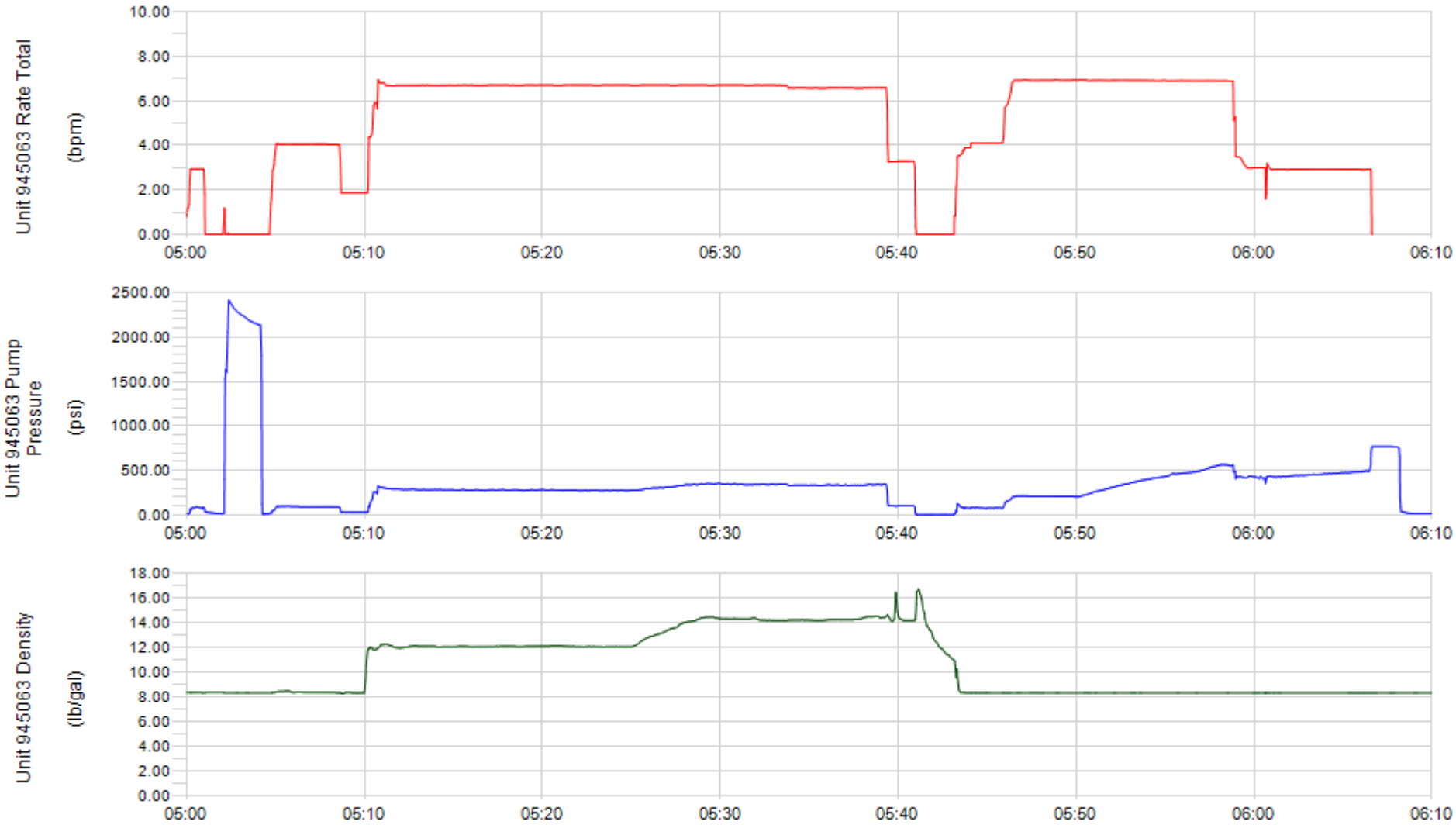
8-Jan-20 — Date

Cement Job Log

NEXTIER

Customer:	BONANZA CREEK ENERGY			**Date:**	8-Jan-20	**Serv. Supervisor:**	Tony Yates
Cust. Rep.:	Kenny			**Ticket #:**	BCO-2001-0012	**Serv. Center:**	Brighton - 3021
Well Name:	STATE ANTELOPE X44-D1	**RTS Date:**	8-Jan-00	**API Well #:**	**512350292**	**County:** **WELD**	**State:** COLORA
Well Type:	Oil	**RTS Time:**	12:00 AM	**Rig:**	**Akita 519**	**Type of Job:**	**CM-SURFACE CASING**

	Date	Time		Date	Time		Date	Time
Left Yard:	07-Jan-20	10:45 AM	**Left Loc.:**	08-Jan-20	**8:30 AM**	**Start Pump:**	08-Jan-20	5:00 AM
Arrived Loc.:	08-Jan-20	**1:00 AM**	**Returned Yd.:**	08-Jan-20	10:00 AM	**End Pump:**	08-Jan-20	6:07 AM

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**
10:45 AM								Left Yard or Current Location
1:00 AM							1	ARRIVE ON LOCATION
1:00 AM							1	ARRIVE ON LOCATION
1:05 AM							1	WAIT ON CASING CREW
3:45 AM							1	SPOT EQUIPMENT
3:50 AM							1	RIG UP IRON AND HOSES
4:30 AM							1	PRE JOB SAFETY MEETING
5:00 AM	3		120		3.0 bbl	3.0 bbl	1	LOAD LINES TO TEST
5:02 AM							1	PRESSURE TEST IRON TO 2300 PSI
5:04 AM	4		200		10.0 bbl	13.0 bbl	1	10 BBLS WATER
5:07 AM	4		200		10.0 bbl	23.0 bbl	1	10 BBLS DYE WATER
5:10 AM	7.2		350		129.2 bbl	152.2 bbl	1	MIX / PUMP 129.2 BBLS LEAD CEMENT AT 12 PPG
5:27 AM	7.2		350		60.2 bbl	212.4 bbl	1	MIX / PUMP 60.2 BBLS TAIL CEMENT AT 14.2 PPG
5:41 AM							1	SHUT DOWN
5:42 AM							1	DROP PLUG
5:44 AM	7.5		520		124.8 bbl	337.2 bbl	1	DISPLACE 124.8 BBLS WATER
6:04 AM	3		800				1	LAND PLUG
6:07 AM							1	CHECK FLOATS
6:25 AM							1	WASH PUMP
6:50 AM							1	RIG OUT
7:20 AM							1	PUMP MAINTENANCE
8:30 AM							1	LEAVE LOCATION

Client	Bonanza Creek	Client Rep	Sam	Supervisor	Tony Yates
Ticket No.	BCO-2001-0012	Well Name	State Antelope X44-D14-13HNC	Unit No.	945063
Location	13-5N-62W	Job Type	Surface Casing	Service District	Brighton CO
Comments	See job log			Job Date	01/08/2020