NexTier Job Summary

Ticket Number	Ticket Date
TN# BCO-2001-0011	1/7/2020

COUNTY	COMPANY	API Number
WELD	BONANZA CREEK ENERGY	512350293
WELL NAME	**RIG**	**JOB TYPE**
STATE ANTELOPE W42-C12-13HNB	Akita 519	CM-SURFACE CASING
SURFACE WELL LOCATION	**CJES Field Supervisor**	**CUSTOMER REP**
40.401171 -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	1612		
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	1602		

CEMENT DATA

Stage 1: Type: **Lead**

From Depth (ft): 0 To Depth (ft): 909

Volume (sacks): 290 Volume (bbls): 127

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

Stage 2: Type: **Tail**

From Depth (ft): 909 To Depth (ft): 1601

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

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
Tail Cement	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):	121.7	
	10 bbls of	Dye	Actual Displacement (bbl):	121.7	
	bbls of				

TotalPreflush/Spacer Volume (bbl): 20

Total Slurry Volume (bbl): 187.2

Total Fluid Pumped 331.9

Returns to Surface: Cement 35 bbls

Plug Bump (Y/N): Y Bump Pressure (psi): 1245

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

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

Pumped 3 bbls water to load lines. Pressure tested to 2500 psi. Pumped 10 bbls water. Pumped 10 bbls water with red dye. Mixed/ Pumped 127 bbls lead cement at 12 ppg. Mixed/ Pumped 60.2 bbls tail cement at 14.2 ppg. Shut down to drop plug. Displaced 121.7 bbls water. Bumped plug at 1245 psi. Checked floats and got 3/4 bbl return. 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:	7-Jan-20	Serv. Supervisor:	Tony Yates		
Cust. Rep.:	Kenny	Ticket #:	BCO-2001-0011	Serv. Center	Brighton - 3021		
Well Name:	STATE ANTELOPE W42-C12-13HNB	API Well #:	512350293	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	290	12	30%	2.46	14.48	127.17	100
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%			120.99	
				0%				
				0%				
				0%				
				0%				

Displacement Chemicals:

OPEN HOLE DATA

13.5 in. O.H. 0 to 1,607 ft			
Mix Cemt. Temperature °F	Lead Tmp.	Middle Temp.	Tail Temp.
	82.0 °F		83.0 °F

TUBULAR DATA

9.625 in. 36#, (0 to 1,607 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
1601	1575		

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)			
		121.7 bbl	water	8.3 ppg	490		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	470.00	Y		35.00	-	Yes	1,245.00	No	-	No	0

Comments/Special Customer Instructions

Tony Yates — Service Supervisor

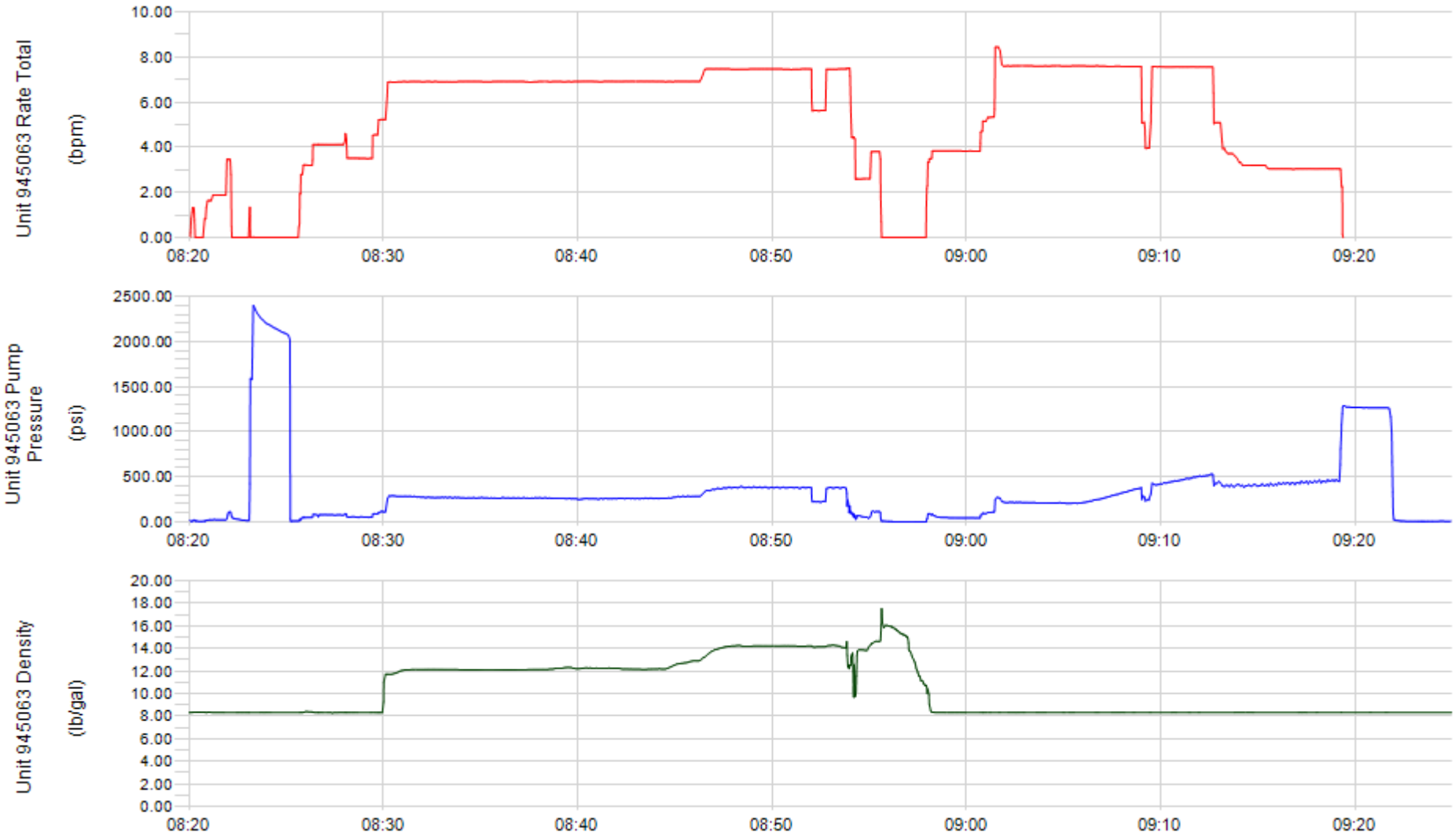
7-Jan-20 — Date

Cement Job Log

NEXTIER

Customer:	BONANZA CREEK ENERGY			**Date:**	7-Jan-20	**Serv. Supervisor:**	Tony Yates
Cust. Rep.:	Kenny			**Ticket #:**	BCO-2001-0011	**Serv. Center:**	Brighton - 3021
Well Name:	STATE ANTELOPE W42-C1	**RTS Date:**	7-Jan-00	**API Well #:**	**512350293**	**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:	07-Jan-20	5:00 AM	**Left Loc.:**	07-Jan-20	**12:00 PM**	**Start Pump:**	07-Jan-20	8:20 AM
Arrived Loc.:	07-Jan-20	**6:30 AM**	**Returned Yd.:**	07-Jan-20	1:50 PM	**End Pump:**	07-Jan-20	9:19 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**
5:00 AM								Left Yard or Current Location
6:30 AM							1	ARRIVE ON LOCATION
6:30 AM							1	ARRIVE TO LOCATION AND LOAD PLUG / TATTLE TAIL IN HEAD
6:50 AM							1	SPOT EQUIPMENT
7:05 AM							1	RIG UP IRON AND HOSES
7:51 AM							1	PRE JOB SAFETY MEETING
8:20 AM	4		120		3.0 bbl	3.0 bbl	1	LOAD LINES TO TEST
8:22 AM							1	PRESSURE TEST LINES TO 2500 PSI
8:25 AM	4		120		10.0 bbl	13.0 bbl	1	10 BBLS WATER
8:28 AM	4		200		10.0 bbl	23.0 bbl	1	10 BBLS WATER WITH DYE
8:30 AM	7.3		280		127.0 bbl	150.0 bbl	1	MIX / PUMP LEAD CEMENT AT 12 PPG
8:45 AM	7.8		400		60.2 bbl	210.2 bbl	1	MIX / PUMP TAIL CEMENT AT 14.2 PPG
8:53 AM							1	SHUT DOWN
8:59 AM	7.8		500		100.0 bbl	310.2 bbl	1	DROP PLUG / DISPLACE 121.7 BBLS WATER
9:18 AM	3		470		21.7 bbl	331.9 bbl	1	SLOW RATE / LAND PLUG
9:21 AM			1245				1	HOLD PRESSURE
9:22 AM							1	CHECK FLOATS
9:40 AM							1	WASH PUMP
10:00 AM							1	RIG OUT / PUMP MAINTENANCE
12:00 PM							1	LEAVE LOCATION

Client	Bonanza Creek	Client Rep	Kenny	Supervisor	Tony Yates
Ticket No.	BCO-2001-0014	Well Name	State Antelope W42-C12-13HNB	Unit No.	945063
Location	13-5N-62W	Job Type	Surface Casing	Service District	Brighton CO
Comments	See job log			Job Date	01/07/2020