

NEXTier		Job Summary		Ticket Number		Ticket Date	
		TN#		BCO-2108-0016		8/8/2021	
COUNTY		COMPANY		API Number			
WELD (CO)		BONANZA CREEK ENERGY		05-123-50455-00			
WELL NAME		RIG		JOB TYPE			
ANTELOPE C13-W43-33HNC		Ensign 122		CM-SURFACE CASING			
SURFACE WELL LOCATION		CJES Field Supervisor		CUSTOMER REP			
40.35602 -104.33694		Anthony Staples		Tim Joel			
EMPLOYEES							
JAMES MCFARLAND							
JEREMIAH MORENO							
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	0	1617	0	1617
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	1606.53	0	1606.53
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:
Type: LEAD

From Depth (ft): 0 To Depth (ft): 952

Volume (sacks): 330 Volume (bbls): 144 CF 368.67

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% NCM-922 + 2% NAC-102 +2% NAC-101 + 2% NAC-110 +.4% NFP-701 + .25 PPS NLM-600	12	2.46	14.48

Stage 2:
Type: TAIL

From Depth (ft): 952 To Depth (ft): 1606

Volume (sacks): 230 Volume (bbls): 60 CF 241.76

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% NCM-922 + 1% NAC-110 + .4% NFP-701 + .25 PPS NLM-600	14.2	1.47	7.31

Stage 3:
Type: Top Off

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

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

Stage 4:
Type:

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

Volume (sacks): Volume (bbls):

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

SUMMARY

Preflushes:	20 bbls of Dye	Calculated Displacement (bbl):	122	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	122		
	bbls of				
Total Preflush/Spacer Volume (bbl):	20	Plug Bump (Y/N):	Y	Bump Pressure (psi):	940
Total Slurry Volume (bbl):	205	Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	347				
Returns to Surface:	35	bbls			

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

Pumped 20 bbls DYE, followed by 330 sks (145) bbls of 12# Lead, followed by 230 sks (60) bbls of 14.2# Tail Cement and Displaced with 122 bbls. Top of Tail is @ 952 and got 35 bbls of Cement to Surface.

Customer Representative Signature: _____

Thank You For Using
NexTier Completion Solutions

Cement Job Log



NexTier Completion Solutions
3990 Rogerdale Rd., Houston, TX 77042
(713)325-6000

Customer:	BONANZA CREEK ENERGY	Date:	8-Aug-21	Serv. Supervisor:	Anthony Staples	
Cust. Rep.:	Tim Joel	Ticket #:	BCO-2108-0016	Serv. Center	Brighton - 3021	
Well Name:	ANTELOPE C13-W43-33HNC	API Well #:	05-123-50455-00	County:	WELD (CO)	State: COLORADO
Well Type:	Oil	Rig:	Ensign 122	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)	Fluid Volume (cuft)	Mix Water (bbls)
0				0%	-	-		-	
Spacer - 20 bbl Fresh Water				0%	-	-		-	
Lead	100 % NCM-922 +2.0 % NAC-102+2.0 % NAC-101+2.0 % NAC-110+0.4 % NFP-701+0.25 PPS NLM-600	330	12	50%	2.46	14.48	144.72	812.58	114
Tail	100 % NCM-922 +1.0 % NAC-110+0.4 % NFP-701+0.25 PPS NLM-600	230	14.2	30%	1.47	7.31	60.37	339.00	40
Displacement - To be Calculated on Location				0%	-	-	120.45	-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
				0%	-	-		-	
Displacement Chemicals:									

OPEN HOLE DATA			TUBULAR DATA									
13.5 in. O.H. 0 to 1,600 ft			9.625 in. 36#, (0 to 1,600 ft)			SIZE WEIGHT	THRD	DEPTH	GRADE	ID	BURST	COLLAPSE
								(ft)		(in)	(psi)	(psi)
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.	9.625		1606.53		8.921	3520	2020
68.0 °F		84.0 °F	89.0 °F									
PREVIOUS CASING DATA				PERFORATED INTERVAL DATA					CASING EQUIPMENT DEPTHS			
				TOP		BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP
									41.52	1564.01		
WELL FLUID		DISPLACEMENT FLUID				DIFF PRESS	CSG LIFT	MAX PRESS	Mix H2O Chlorides (ppm)	Mix H2O pH	Mix H2O Temp	WATER ON LOC (bbl)
TYPE	DENSITY	VOLUME	TYPE	DENSITY		(psi)	(psi)	(psi)				
H2O	8.4 ppg	122 bbl	H2O	8.3 ppg					30	7	70.0 °F	500
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	Additional Hrs Charged (hrs)	Casing Reciprocation	Rathole Length (ft)	
Yes	555.00	Y	-	35.00	-	Yes	940.00	No		No		

Comments/Additional Details:

	<i>Anthony Staples</i>	<i>8-Aug-21</i>
	Service Supervisor	Date

Cement Job Log

[illegible]



Field Cementing Water Analysis

Company: Bonanza Creek

Test Date: 8/8/2021

Well: Antelope C13-W43-33HNC

Ticket Number: BCO-2108-0016

Ion	Sample Volume	Titer	Factor	Concentration	Units	Limit
pH				7		6 - 8
Chlorides				30	mg/l	<500
Alkalinity				60	mg/l CaCO ³	<600
Mix Water Temp				70	°F	50-80°F

Water Analysis Limits		
	Limits	Potential Impact of Excess
pH	6 - 8	Accelerate or Retard Set Time, Short & Long Term Stability Issues
Chlorides	<500	Accelerate Set Time, Higher Mixing Visc, Interfere with fluid loss chemical
Alkalinity	<600	Accelerate or Retard Set Time, Lower Compressive Strength, Higher Visc
Mix Water Temp	50-80°F	Blend will not perform as designed

NextTier Supervisor Signature: _____

Company Supervisor Signature: _____

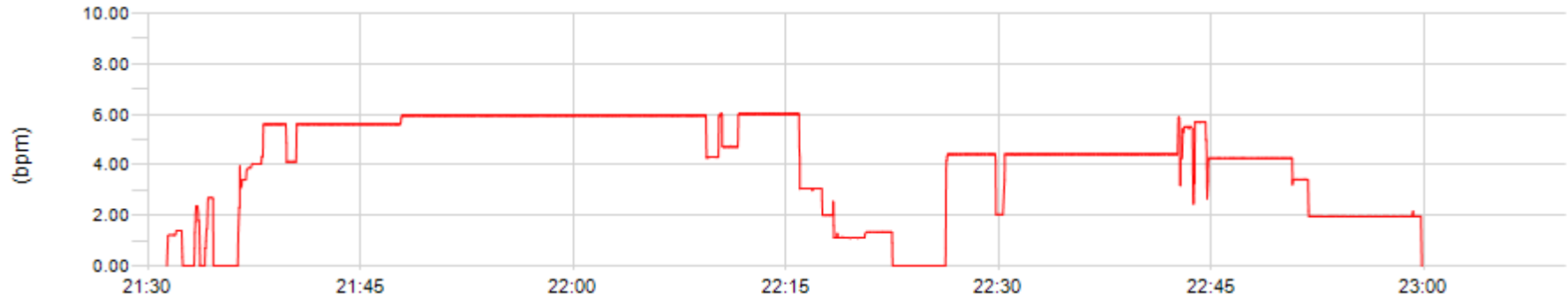


Client Bonanza Creek
Ticket No. 21080016
Location
Comments

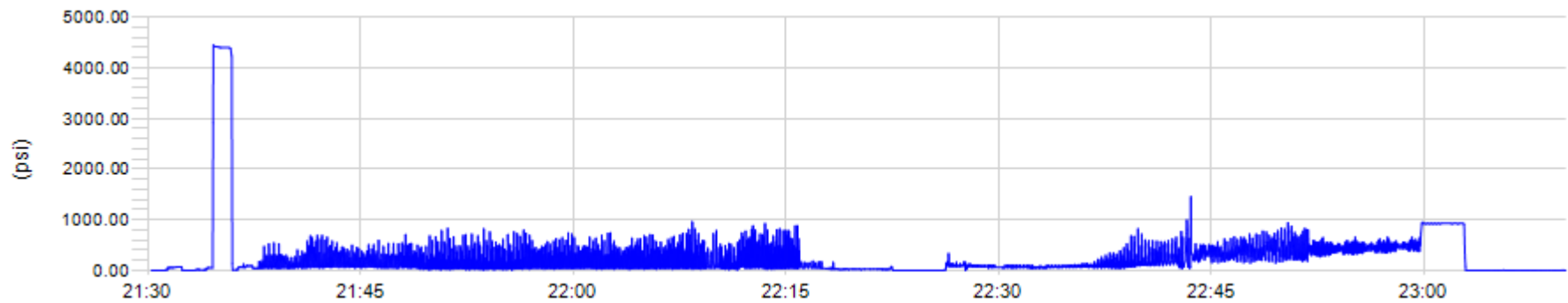
Client Rep Kenny
Well Name Antelope C13-W43-33HNC
Job Type Surface Casing

Supervisor Anthony Staples
Unit No. 445084
Service District BRIGHTON
Job Date 08/08/2021

Unit 445084 Rate Total



Unit 445084 Pump Pressure



Unit 445084 Density

