



Job Summary

Ticket Number	Ticket Date
TN# BCO-2009-0025	9/12/2020

COUNTY	COMPANY	API Number
WELD (CO)	CUB CREEK ENERGY LLC	512347912
WELL NAME	RIG	JOB TYPE
KNIGHT 19	Ikon 12	CM-SURFACE CASING
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.19775 105.04205	Jeff Kopp	Trenton Rico

EMPLOYEES		
Garrick W	Sergio S	
Daniel M		
Troy M		

WELL PROFILE			
Max Treating Pressure (psi):	1000	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	1544		
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 5/8	36		0	1544		

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):	952		
Type: Lead		Volume (sacks):	205	Volume (bbls):	95		
Cement & Additives:				Density (ppg)	Yield (ft³/sk)	Water Req.	
				11.8	2.60	15.55	

Stage 2:		From Depth (ft):	952	To Depth (ft):	1544		
Type: Tail		Volume (sacks):	150	Volume (bbls):	51.5		
Cement & Additives:				Density (ppg)	Yield (ft³/sk)	Water Req.	
				13	1.93	10.53	

Stage 3:		From Depth (ft):		To Depth (ft):			
Type:		Volume (sacks):		Volume (bbls):			
Cement & Additives:				Density (ppg)	Yield (ft³/sk)	Water Req.	

Stage 4:		From Depth (ft):		To Depth (ft):			
Type:		Volume (sacks):		Volume (bbls):			
Cement & Additives:				Density (ppg)	Yield (ft³/sk)	Water Req.	

SUMMARY

		Stage 1		Stage 2	
Preflushes:	20 bbls of Fresh Water	Calculated Displacement (bbl):	115.6		
	bbls of	Actual Displacement (bbl):	115.5		
	bbls of				
Total Preflush/Spacer Volume (bbl):	20	Plug Bump (Y/N):	Y	Bump Pressure (psi):	1076
Total Slurry Volume (bbl):	146.5	Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	166.5				
Returns to Surface:	Cement 15 bbls				


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

Job pumped per customers request. Job went well.

Thank You For Using

NexTier Completion Solutions

Customer Representative Signature: _____

			Date	Time	DISTRICT Brighton - 3021	
		YARD CALL	9/12/2020	7:00 PM		
		RTS DATE	9/12/2020	10:00:00 PM		

CUSTOMER INFORMATION		WELL INFORMATION		CASING DATA		ACTUAL TABULAR DATA	
Customer Name:	CUB CREEK ENERGY LLC	API #:	512347912	Casing Size:	9.625	Size	Grade
Customer #:	1002972	Field Name:	Wattenberg	Casing Weight:	36	Weight	Mea.Depth
AFE #:		Well Name:	KNIGHT 19	Shoe Joint Length:	42 ft		
Cust Rep on Loc:	Trenton Rico			Open Hole Data		Casing	9.625in 36# (0 to 1544ft)
Cust Phone #:	720-951-8307	Well Type:	New	TVD:	1,500 ft	CEMENTING PLUG	
Order Placed By:		Formation:	NBRR	MD:	1,500 ft	Qty	Size
Phone #:		Rig Contractor:	Ikon	Size ID:	13.5	Type	Material
Proposed Job Amt:	\$9,231.56	Rig Name/Num.:	Ikon 12	BHST:	107°F		
JOB INFORMATION		Rig Phone:		BHCT:	86°F	TOP CONNECTION	
Ticket #:	BCO-2009-0025	County:	WELD (CO)	°F / 100 or BHST:	1.8 °F/100ft	Size	Type
PO #:		State:	COLORADO	KOP:	0 ft	Thread	
Order Taken By:	Milo	Latitude:	40.19775	Previous Casing Size		JOB TYPE	
Order Date:	12-Sep	Longitude:	105.04205	Casing Size:		CM-SURFACE CASING	
Head Count:	5	NextTier Rep.		Casing Depth:			
NextTier Acct. Manager:		Section-Township-Range	30 3N 68W				
NextTier Engineer		Quote Number:	1-BCO_200911153818				

818-JLPjob 12.19b

COMMENTS	

SPECIAL JOB INSTRUCTIONS	
100# Sugar	

DIRECTIONS TO WELL	
HWY 66 & CR 3, S .5, W into	


Emergency Contacts			
Nearest Hospital:	Longmont, Co.	Phone Number:	
Police Department:		Phone Number:	
Fire Department:		Phone Number:	

Designated Emergency Vehicle:	131152	Vehicle Location:	
MSDS on Dash of Emergency Vehicle? (y/n):	Y		

Muster Area #1	Lease entrance
Muster Area #2	Wind depending

Cell Phone Service on location? (y/n)	Y
If not, nearest working phone	

Iron Tracking						
	Taken Out			Returned		
Iron Type	Taken By	Date Out	Time Out	Returned By	Date In	Time In

			Date	Time	DISTRICT Brighton - 3021	
		YARD CALL	9/12/2020	7:00 PM		
		RTS DATE	9/12/2020	10:00:00 PM		
Personnel/Equipment						
Driver	Assignment	\$	Tractor	Trailer	Comments	
Jeff K	Supervisor		131152			
Garrick W	Pump Operator	Primary Pump Unit:		44-5070		
		Secondary Pump Unit:				
Troy M	Trainie					
Daniel M	Bulker					
Sergio S	Bulker			990477		
BLEND INFO						
818-ILPjob 1						
Amount	Units	System/Additives	Excess	Density (ppg)	Yield (cuft/sk)	Water Req. (gal/sk)
0	SX	0				
0.00			0%		-	-
0.00	SX	Spacer - 20 bbl Fresh Water				
20.00	bbl		0%		-	-
205	SX	Lead				
94.01	bbl	100 % NCM-922 +2.0 % NAC-101+2.0 % NAC-102+2.0 % NAC-110+0.4 % NFP-701+0.25 PPS NLM-600	8%	11.8	2.60	15.55
150	SX	Tail				
50.25	bbl	100 % NCM-922 +2.0 % NAC-101+2.0 % NAC-102+2.0 % NAC-110+0.4 % NFP-701+0.25 PPS NLM-600	8%	13	1.93	10.53
0	SX	Displacement - To be Calculated on Location				
112.72	bbl		0%			
0	SX					
0.00			0%			
0	SX					
			0%			
0	SX					
			0%			
0	SX					
0.00			0%			

Cement Job Log



Customer:	CUB CREEK ENERGY LLC	Date:	12-Sep-20	Serv. Supervisor:	Jeff Kopp
Cust. Rep.:	Trenton Rico	Ticket #:	BCO-2009-0025	Serv. Center	Brighton - 3021
Well Name:	KNIGHT 19	API Well #:	512347912	County:	WELD (CO)
Well Type:		Rig:	Ikona 12	Type of Job:	CM-SURFACE CASING

Materials Furnished by NexTier

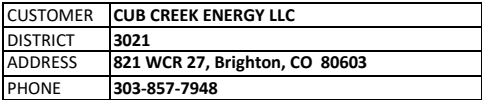
Plugs	Casing Hardware	Physical Slurry Properties						
		Sacks of Cement	Fluid Density (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Mix Water (bbls)
0				0%	-	-		
Spacer - 20 bbl Fresh Water				0%	-	-	20.00	
Lead	100 % NCM-922 +2.0 % NAC-101+2.0 % NAC-102+2.0 % NAC-110+0.4 % NFP-701+0.25 PPS NLM-600	205	11.8	8%	2.60	15.55	95.10	76
Tail	100 % NCM-922 +2.0 % NAC-101+2.0 % NAC-102+2.0 % NAC-110+0.4 % NFP-701+0.25 PPS NLM-600	150	13	8%	1.93	10.53	51.66	38
Displacement - To be Calculated on Loca				0%	-	-	112.72	
				0%	-	-		
				0%	-	-		
				0%	-	-		
				0%	-	-		
				0%	-	-		

Displacement Chemicals:	
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OPEN HOLE DATA				TUBULAR DATA						
13.5in O.H. (0 to 1544ft)		9.625in 36# (0 to 1544ft)		SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
Mix Cemt. Temperature °F	Lead Temp.	Middle Temp.	Tail Temp.							
PREVIOUS CASING DATA				PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS		
				TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE
								1521	1496	
WELL FLUID		DISPLACEMENT FLUID		DIFF PRESS (psi)	CSG LIFT (psi)	MAX PRESS (psi)	Total Number of Runs		WATER ON LOC (bbl)	
TYPE	DENSITY	VOLUME	TYPE	DENSITY						
						1000			350	
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
				15.00		Yes	1,000.00			

Comments/Special Customer Instructions:

					<div>Jeff Kopp</div> <div>Service Supervisor</div>	<div>12-Sep-20</div> <div>Date</div>
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TICKET		BCO-2009-0025
DATE		9/12/2020
CREW INFORMATION		
SUPERVISOR		Jeff Kopp
PUMP UNIT	44-5070	
NUMBERS		
ARRIVAL (D&T)		9/12/20 10:00 PM
DEPARTURE (D&T)		9/13/20 5:30 AM

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12Customer Stamp

Customer Name Printed _____

Customer Signature _____

Date Signed _____

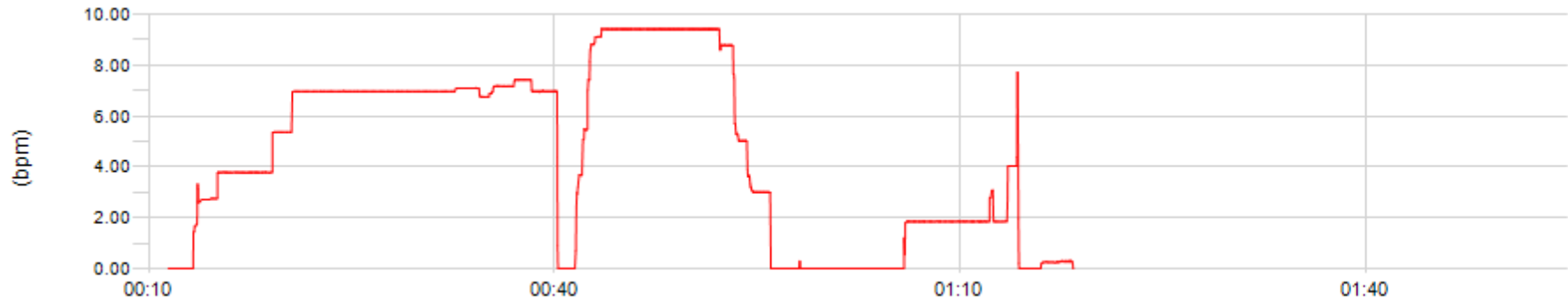


Client Cub Creek
Ticket No. 20090025
Location
Comments

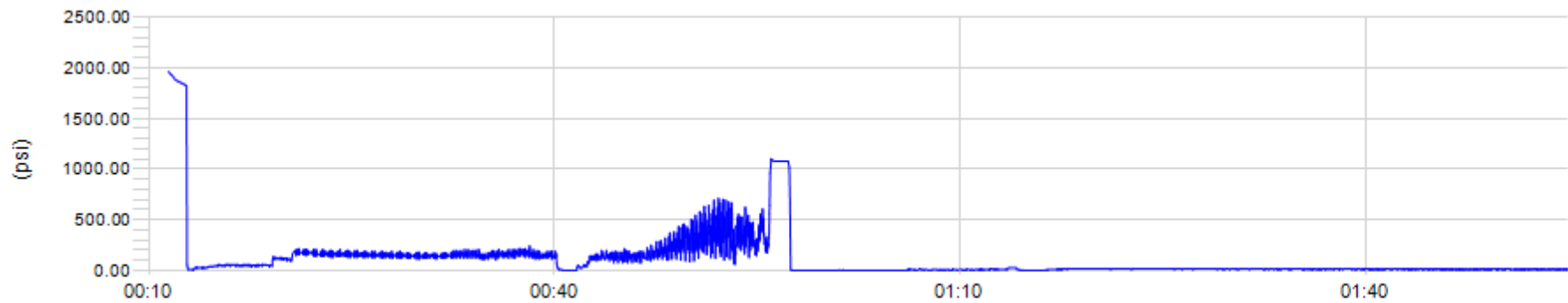
Client Rep Trenton Rico
Well Name Knight 19
Job Type Surface Casing

Supervisor Jeff Kopp
Unit No. 445070
Service District Brighton Co
Job Date 09/13/2020

Unit 445070 Rate Total



Unit 445070 Pump Pressure



Unit 445070 Density

