



# Job Summary

Ticket Number	Ticket Date
TN# BCO-2009-0023	9/11/2020

COUNTY	COMPANY	API Number
WELD (CO)	CUB CREEK ENERGY LLC	512347902
WELL NAME	RIG	JOB TYPE
KNIGHT 21	Ikon 12	CM-SURFACE CASING
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.19779 -105.04205	Jeff Kopp	Trenton Rico

EMPLOYEES		
Garrick W	Sergio S	
Daniel		
Troy		

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	1540		
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	1540		
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):	948	
	Type: Lead				
	Volume (sacks):	205	Volume (bbls):	95	
Cement & Additives:			Density (ppg)	Yield (ft^3/sk)	Water Req.
			11.8	2.60	15.55

Stage 2:	From Depth (ft):	948	To Depth (ft):	1540	
	Type: Tail				
	Volume (sacks):	150	Volume (bbls):	51.5	
Cement & Additives:			Density (ppg)	Yield (ft^3/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 (ft^3/sk)	Water Req

Stage 4:	From Depth (ft):	<input type="text"/>	To Depth (ft):	<input type="text"/>	
	Type:				
	Volume (sacks):	<input type="text"/>	Volume (bbls):	<input type="text"/>	
Cement & Additives:			Density (ppg)	Yield (ft^3/sk)	Water Req.

## SUMMARY

Preflushes:	20 bbls of Fresh Water	Calculated Displacement (bbl):	115.6	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	114		
	bbls of				
Total Preflush/Spacer Volume (bbl):	20	Plug Bump (Y/N):	Y	Bump Pressure (psi):	1092
Total Slurry Volume (bbl):	146.5	Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	166.5				
Returns to Surface:	Cement	9 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	
	YARD CALL	9/11/2020	7:00 PM		Brighton - 3021	
	RTS DATE	9/11/2020	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	Pump Trainie					
Daniel M	Bulker					
Sergio S	Bulker			990459		
BLEND INFO						
342-JLPjob 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:	11-Sep-20	Serv. Supervisor:	Jeff Kopp		
Cust. Rep.:	Trenton Rico	Ticket #:	BCO-2009-0023	Serv. Center	Brighton - 3021		
Well Name:	KNIGHT 21	API Well #:	512347902	County:	WELD (CO)	State:	COLORADO
Well Type:	Oil	Rig:	Ikon 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%	-	-		

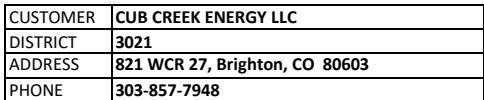
Displacement Chemicals:	
-------------------------	--

OPEN HOLE DATA				TUBULAR DATA									
13.5in O.H. (0 to 1540ft)				9.625in 36# (0 to 1540ft)			SIZE WEIGHT	THRD	DEPTH	GRADE	ID	BURST	COLLAPSE
									(ft)		(in)	(psi)	(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	ACP	
									1520	1496			
WELL FLUID		DISPLACEMENT FLUID				DIFF PRESS	CSG LIFT	MAX PRESS	Total Number of Runs			WATER ON LOC	
TYPE	DENSITY	VOLUME	TYPE	DENSITY	(psi)	(psi)	(psi)	(bbl)					
							1000					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)		
				9.00	-	Yes	1,000.00						

Comments/Special Customer Instructions:

	<div>Jeff Kopp</div> <div>Service Supervisor</div>	<div>11-Sep-20</div> <div>Date</div>
--	--	--------------------------------------





AFE #		PO:	
LEASE NAME / NUMBER		API WELL NUMBER	
KNIGHT 21		512347902	
SECTION	TOWNSHIP	RANGE	COUNTY, STATE
30	3N	68W	WELD (CO), COLORADO
WELL PERMIT NUMBER			
JOB TYPE		CM-SURFACE CASING	
Vehicle Type		Single	

TICKET		BCO-2009-0023	
DATE		9/11/2020	
CREW INFORMATION			
SUPERVISOR		Jeff Kopp	
PUMP UNIT		44-5070	
NUMBERS			
ARRIVAL (D&T)		9/11/20 10:00 PM	
DEPARTURE (D&T)		9/12/20 2:30 AM	

### Service & Equipment Charges

[illegible]

## Materials & Products

12

[illegible]

Customer Stamp

**Customer Name Printed**

**Customer Signature**

**Date Signed**

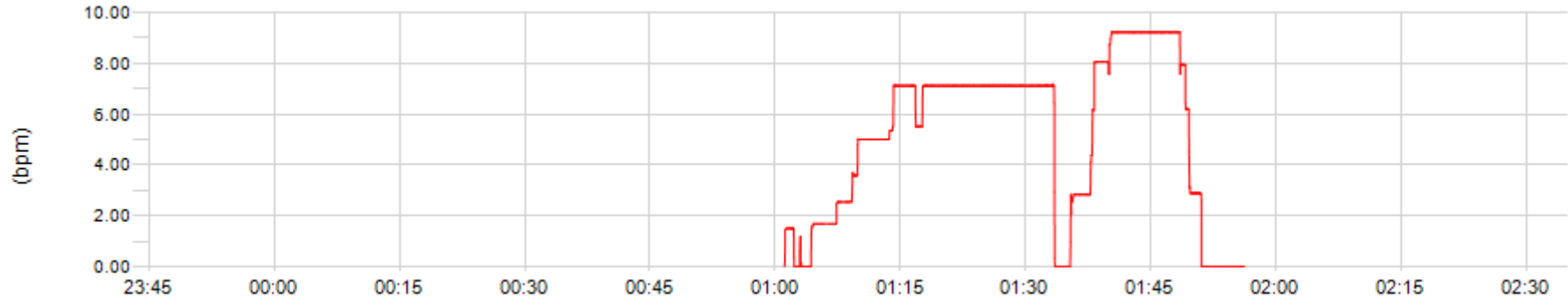


Client Cub Creek  
Ticket No. 20090023  
Location  
Comments

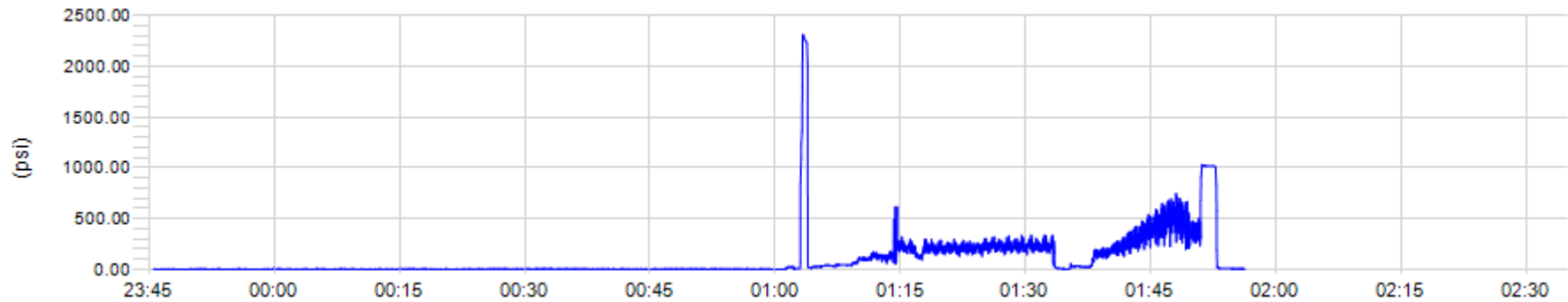
Client Rep Trenton Rico  
Well Name Knight 21  
Job Type Surface Casing

Supervisor Jeff Kopp  
Unit No. 445070  
Service District Brighton Co  
Job Date 09/11/2020

Unit 445070 Rate Total



Unit 445070 Pump Pressure



Unit 445070 Density

