

COUNTY	COMPANY	API Number
WELD (CO)	CUB CREEK ENERGY LLC	512347908
WELL NAME	RIG	JOB TYPE
KNIGHT 9	Ikon 12	CM-SURFACE CASING
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.19767 105.04197	Anthony Staples	Trenton Rico

EMPLOYEES		
ANTHONY STAPLES	ROBERT L	
TONY YATES	ANDREW	
JAKE PROCK		

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	1544	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	9.625	36	J55	0	1515	0	1515
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):	939	
	Volume (sacks):	210	Volume (bbls):	97	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Req
100% NCM-922 + 2.0% NAC-101 + 2% NAC-102 + 2% NAC-110 + .4% NFP-701 + .25 PPS NLM-600			11.8	2.60	15.55

Stage 2: Type: TAIL	From Depth (ft):	939	To Depth (ft):	1515	
	Volume (sacks):	150	Volume (bbls):	52	
Cement & Additives:			Density (ppg)	Yield (ft³/sk)	Water Req
100% NCM-922 + 2% NAC-101 + 2% NAC-102 + 2% NAC-110 + .4% NFP-701 + .25 PPS NLM-600			13	1.93	10.53

Stage 3: Type: Top Off	From Depth (ft):	939	To Depth (ft):	1515	
	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 Fresh Water	Calculated Displacement (bbl):	115	Stage 1	Stage 2
	bbls of	Actual Displacement (bbl):	115		
	bbls of				
Total Preflush/Spacer Volume (bbl):	20	Plug Bump (Y/N):	Y	Bump Pressure (psi):	680
Total Slurry Volume (bbl):	149	Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	284				
Returns to Surface:	1	bbls			

Job Notes (fluids pumped / procedures / tools / etc.): Pumped 20 bbls of Fresh Water Spacer, Batched Weighed and Pumped 210 sks (97)bbls of 11.8# Lead Cement, Followed by 150 sks (52) bbls of 13# Tail Cement. Calculated Top of Tail Cement was 939 ft. Bumped Plug at Calculated and got 1 BBL of Cement to Surface. Floats Held .5 BBLs Back

Thank You For Using

NexTier Completion Solutions

Customer Representative Signature:

Cement Job Log



Customer:	CUB CREEK ENERGY LLC				Date:	3-Sep-20		Serv. Supervisor:	Anthony Staples			
Cust. Rep.:	Trenton Rico				Ticket #:	BCO-2009-0007		Serv. Center:	Brighton - 3021			
Well Name:	KNIGHT 9				API Well #:	512347908		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								0%	-	-		
Spacer 2 - 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				210	11.8	10%	2.60	15.55	97.41	78
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	10%	1.93	10.53	51.66	38
Displacement - To be Calculated on Loca								0%	-	-	112.72	
								0%	-	-		
								0%	-	-		
								0%	-	-		
								0%	-	-		
								0%	-	-		
Displacement Chemicals:												
TUBULAR DATA												
OPEN HOLE DATA												
13.5 in. O.H. 0 to 1,500 ft				9.625 in. 36#, (0 to 1,500 ft)		SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
Mix Cemt. Temperature °F	Lead Tmp.	Middle Temp.	Tail Temp.		9.625		1515	J55	8.921	3520	2020	
PREVIOUS CASING DATA				PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS				
				TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP	
								23	1492			
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)					
H2O	8.4 ppg	115 bbl	H2O	8.3 ppg	306		1000			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	Additional Hrs Charged (hrs)	Casing Reciprocation	Rathole Length (ft)	
Yes	300.00	Y	-	1.00		Yes	680.00		-	No		
Comments/Special Customer Instructions:												
							Anthony Staples Service Supervisor					
							3-Sep-20 Date					

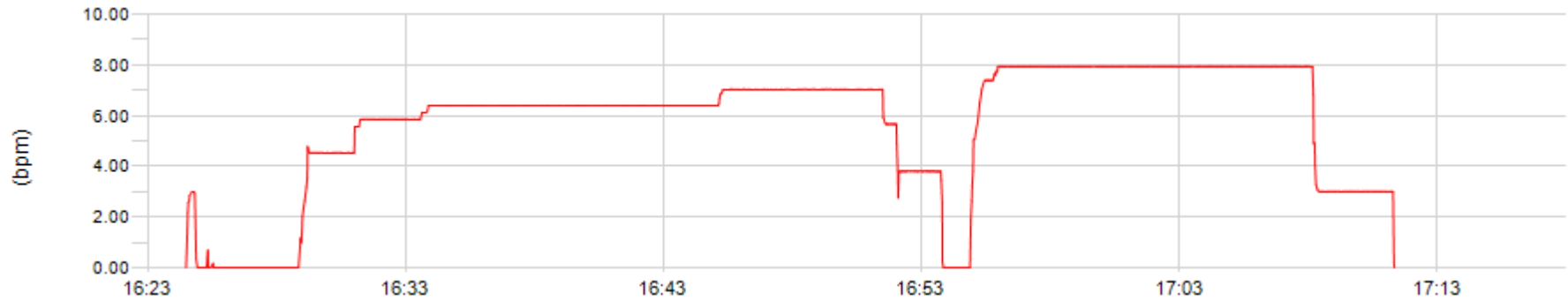


Client Cub Creek
Ticket No. 20090007
Location
Comments

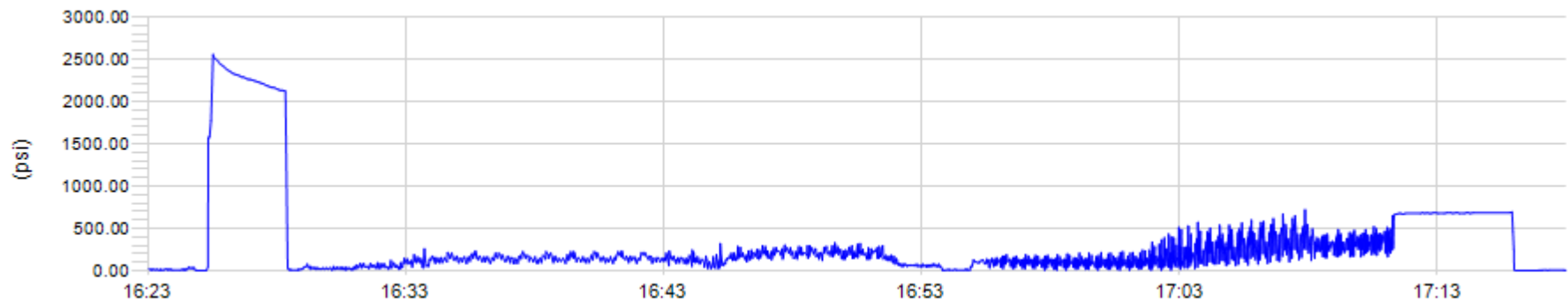
Client Rep Sam
Well Name Knight 9
Job Type Surface Casing

Supervisor Anthony STaples
Unit No. 445084
Service District Brighton CO
Job Date 09/03/2020

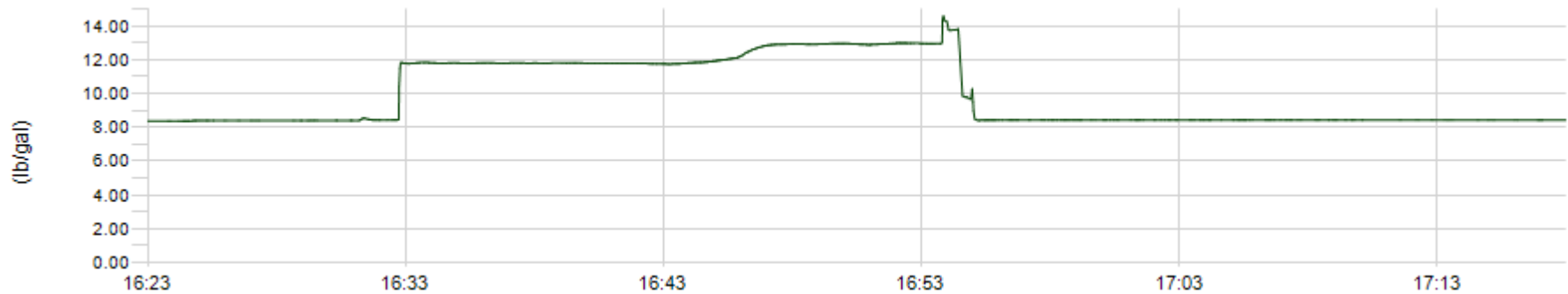
Unit 445084 Rate Total

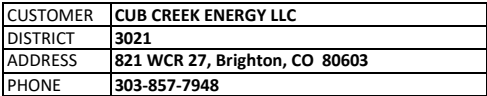


Unit 445084 Pump Pressure



Unit 445084 Density





AFE #		PO:	
LEASE NAME / NUMBER		API WELL NUMBER	
KNIGHT 9		512347908	
SECTION	TOWNSHIP	RANGE	COUNTY, STATE
			WELD (CO), COLORADO
WELL PERMIT NUMBER			
JOB TYPE		CM-SURFACE CASING	
Vehicle Type		Single	

TICKET	BCO-2009-0007	
DATE	9/3/2020	
CREW INFORMATION		
SUPERVISOR	Anthony Staples	
PUMP UNIT	44-5084	
NUMBERS		
ARRIVAL (D&T)	9/3/20 2:30 PM	
DEPARTURE (D&T)	9/3/20 6:15 PM	

737-JLPjob 1

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Customer Name Printed _____

Customer Signature _____

Date Signed _____