

COUNTY	COMPANY	API Number
WELD (CO)	CUB CREEK ENERGY LLC	512347897
WELL NAME	RIG	JOB TYPE
KNIGHT 7	Ikon 12	CM-SURFACE CASING
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.19771 105.04197	Anthony Staples	Trenton Rice

EMPLOYEES		
ANTHONY STAPLES	ANDREW LINZLEY	
TONY YATES		
ROBERT LEY		

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	1539	0	1539
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:	From Depth (ft):	0	To Depth (ft):	939
Type: LEAD	Volume (sacks):	210	Volume (bbls):	97
Cement & Additives:				
100% NCM-922 + 2% NAC-101 + 2% NAC-102 + 2% NAC-110 + .4% NFP-701 + .25 PPS NLM-600				Density (ppg)
				Yield (ft³/sk)
				Water Req.
				11.8
				2.60
				15.55

Stage 2:	From Depth (ft):	939	To Depth (ft):	1515
Type: TAIL	Volume (sacks):	150	Volume (bbls):	52
Cement & Additives:				
100% NCM-922 + 2% NAC-101 + 2% NAC-102 + 2% NAC-110 + .4% NFP-701 + .25 PPS NLM-600				Density (ppg)
				Yield (ft³/sk)
				Water Req.
				13
				1.93
				0.45

Stage 3:	From Depth (ft):		To Depth (ft):	
Type: Top Off	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

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):	835
Total Slurry Volume (bbl):	149		Lost Returns (Y/N):	N	(if Y, when)	
Total Fluid Pumped	284					
Returns to Surface:	15	bbls				

Job Notes (fluids pumped / procedures / tools / etc.): Pumped 10 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 @ 939 ft. Drop Plug and Displaced 115 bbls of H2O. Bumped plug and Had 15 bbls of Cement to Surface. Checked Floats .25 bbls Back

Thank You For Using

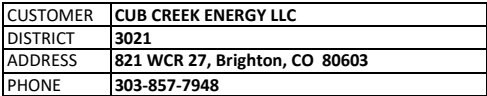
NexTier Completion Solutions

Customer Representative Signature:

Cement Job Log



Customer:	CUB CREEK ENERGY LLC				Date:	4-Sep-20		Serv. Supervisor:	Anthony Staples			
Cust. Rep.:	Trenton Rice				Ticket #:	BCO-2009-0008		Serv. Center:	Brighton - 3021			
Well Name:	KNIGHT 7				API Well #:	512347897		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	635	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	306.00	Y	-	15.00	-	Yes	1,000.00	No	-	No		
Comments/Special Customer Instructions:												
							Anthony Staples		4-Sep-20			
							Service Supervisor		Date			



AFE #				PO:			
LEASE NAME / NUMBER				API WELL NUMBER			
KNIGHT 7				512347897			
SECTION	TOWNSHIP	RANGE	COUNTY, STATE				
			WELD (CO), COLORADO				
WELL PERMIT NUMBER							
JOB TYPE			CM-SURFACE CASING				
Vehicle Type			Single				

TICKET	BCO-2009-0008	
DATE	9/4/2020	
CREW INFORMATION		
SUPERVISOR	Anthony Staples	
PUMP UNIT	44-5084	
NUMBERS		
ARRIVAL (D&T)	9/4/20 9:45 AM	
DEPARTURE (D&T)	9/4/20 12:45 PM	

107-JLPjob 1

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Customer Name Printed _____

Customer Signature _____

Date Signed _____