

COUNTY	COMPANY	API Number
<b>Weld</b>	<b>HIGHPOINT OPERATING</b>	<b>05-123-49713</b>
WELL NAME	RIG	JOB TYPE
<b>Grinde 01-64-05-0108C</b>	<b>Cartel 88</b>	<b>CM-SURFACE CASING</b>
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
<b>40.08315 -104.58324</b>	<b>Derek Scott</b>	<b>Dustin Davis</b>

EMPLOYEES

<b>WELL PROFILE</b>			
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	1524		
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	J-55	0	1524		
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

<b>Stage 1:</b>	From Depth (ft):	0	To Depth (ft):	1524
Type: <b>Lead</b>	Volume (sacks):	480	Volume (bbls):	165
	Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
	CSC	13	1.93	10.53

<b>Stage 2:</b>	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
	Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.

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

<b>Stage 4:</b>	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):	Stage 1 113.8	Stage 2
	20 bbls of Dye	Actual Displacement (bbl):	113.8	
	bbls of			
Total Preflush/Spacer Volume (bbl):	40	Plug Bump (Y/N):	Y	Bump Pressure (psi): 800
Total Slurry Volume (bbl):	165	Lost Returns (Y/N):	N	(if Y, when)
Total Fluid Pumped	318.8			
Returns to Surface:	Cement 43 bbls			

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

Bumped plug, but well did not hold a casing test. It was probably leaking around the plug.

Customer Representative Signature:

Thank You For Using  
NexTier Completion Solutions

## Cement Job Log



Customer:	HIGHPOINT OPERATING				Date:	15-Dec-19		Serv. Supervisor:	Derek Scott			
Cust. Rep.:	Dustin Davis				Ticket #:	BCO-1912-0088		Serv. Center:	Brighton - 3021			
Lease:	Grinde 01-64-05-0108C				API Well #:	05-123-49713		County:	Weld	State:	CO	
Well Type:	Oil				Rig:	Cartel 88		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%				
40 bbl Water								0%			40.00	
Single Slurry - Control Set C		100 % CJ922 +2.0 % CJ101+2.0 % CJ030+2.0 % CJ110+0.4 % CJX157011+0.25 PPS CJ600				480	13	20%	1.93	10.53	165.32	120
Displacement						113.8		0%			#VALUE!	#VALUE!
								0%				
								0%				
								0%				
								0%				
								0%				
								0%				
								0%				
								0%				
								0%				
								0%				
								0%				
Displacement Chemicals:								0%				
TUBULAR DATA												
OPEN HOLE DATA				TUBULAR DATA								
13.5 in. O.H. 0 to 1,550 ft				9.625 in. 36#, ( 0 to 1,550 ft)		SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
Mix Cemt. Temperature °F	Lead Temp.	Middle Temp.	Tail Temp.		9.625" 36#	LTC	1515	J-55	8.921	3520	2020	
PREVIOUS CASING DATA				PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS				
				TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP	
								1515	1472			
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)					
		113.8 bbl	Water	8.3 ppg	380	650	1000	1				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	Standby Charged(hrs)	Casing Reciprocation	Wireline Co.	
Yes	350.00	Y	-	43.00	-	Yes	350.00		-		0	
Comments/Special Customer Instructions												
							<div style="text-align: right;"> <i>Derek Scott</i>  Service Supervisor </div>					
							<div style="text-align: right;"> 15-Dec-19  Date </div>					



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12/15/2019

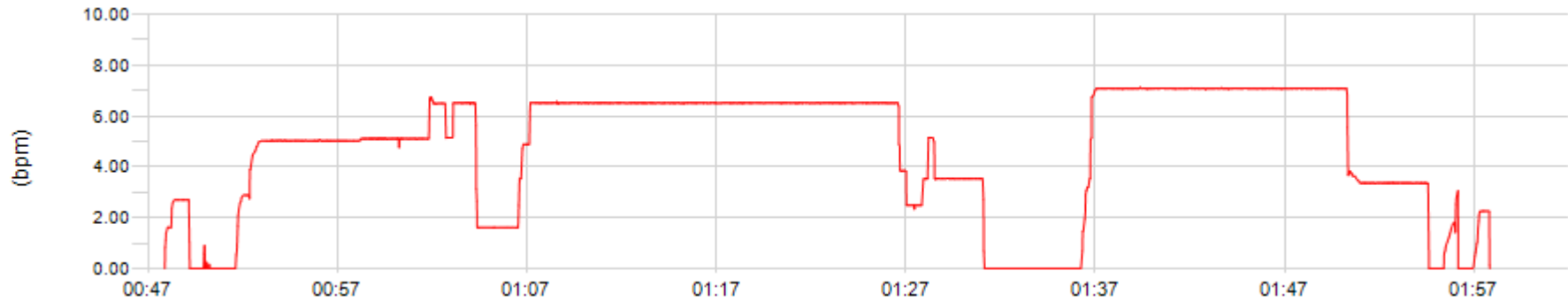


Client High Point  
Ticket No. 19120088  
Location SWNW 5-1N-64W  
Comments 480sx CSC @13.0ppg 1.93yield

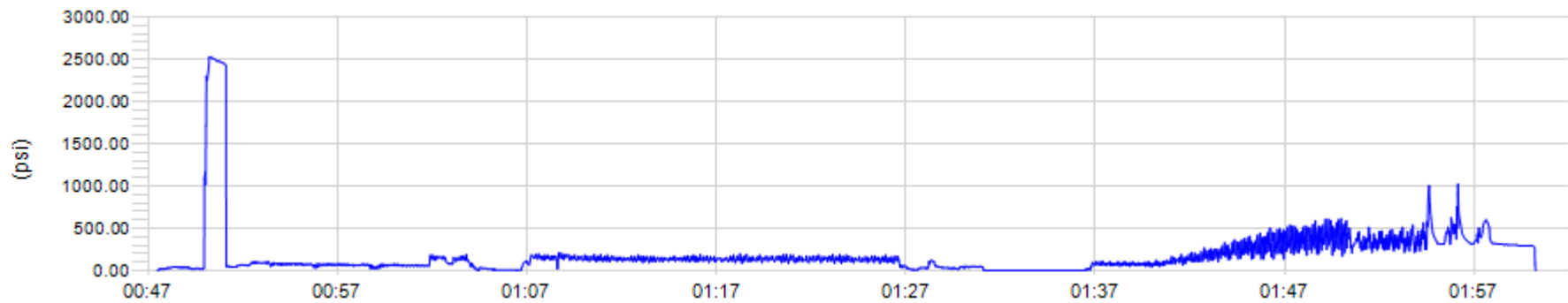
Client Rep Dustin Davis  
Well Name Grinde 01-64-05-0108C  
Job Type Surface Casing

Supervisor Derek Scott  
Unit No. 445070  
Service District Brighton, CO  
Job Date 12/15/2019

Unit 445070 Rate Total



Unit 445070 Pump Pressure



Unit 445070 Density

