

COUNTY	COMPANY	API Number
Weld	Bison Oil & Gas	05-123-09375
WELL NAME	RIG	JOB TYPE
Butler-Federal 1-20	Ensign 318	Plug to Abandon
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
40.642303 -104.122834	Austin Klosterman	Dave Donoho

EMPLOYEES

James McFarland		
Joel Apodaca		

WELL PROFILE

Max Treating Pressure (psi):	2000	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)
	8 7/8"	3750'	311'		
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	8 5/8"	24#		311'	0'		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2 7/8"	6.5#		3750'	0'		
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): 3750' To Depth (ft): 3450'
Type: **Balanced Plug**
Volume (sacks): 135 Volume (bbls): 27.6

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G + 2%CaCl2 Pre-Hydrated	15.8	1.15	5.00

Stage 2: From Depth (ft): 550' To Depth (ft): 235'
Type: **Surface Plug**
Volume (sacks): 315 Volume (bbls): 64

Cement & Additives:	Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G	15.8	1.15	5.00

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

Preflushes:	13 bbls of Fresh Water	Calculated Displacement (bbl):	Stage 1: 19.9	Stage 2: 1
	18 bbls of Fresh Water	Actual Displacement (bbl):	18.1	1
	bbls of			
Total Preflush/Spacer Volume (bbl):	31	Plug Bump (Y/N):	n/a	Bump Pressure (psi):
Total Slurry Volume (bbl):	91.6	Lost Returns (Y/N):	N (if Y, when)	
Total Fluid Pumped	141.7			
Returns to Surface:	Preflush 15 bbls			

Job Notes (fluids pumped / procedures / tools / etc.):
1st Cement Plug - From 3750' to 3450' / Cement Coverage = 300' / 135sx @15.8ppg = 27.6bbls / Estimated TOC = 3450'
2nd Cement Plug - From 550' to 235' / Cement Coverage = 315' / 315sx @15.8ppg = 64bbls / Estimated TOC = 235'

Customer Representative Signature: 

Thank You For Using
CJES O-TEX Cementing