



Job Summary

Ticket Number	Ticket Date
TN# FL1128	9/26/2016

COUNTY	COMPANY	CUSTOMER REP
Weld	PDC Energy, Inc.	Mr. David Gray
WELL NAME	RIG	JOB TYPE
HOP 18E-232	Ensign 152	Production
SURFACE WELL LOCATION		O-TEX Field Supervisor
NW NW Sec18:R5N:T64W		Doran, Ben
EMPLOYEES		
	Kopp, Jeff	
Davila, Isreal		
	Payne, James	

WELL PROFILE	
Max Treating Pressure (psi):	Bottom Hole Static Temperature (°F):
Bottom Hole Circulating Temperature (°F):	Well Type: Oil

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	8.5	1480	16424		
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	1480		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	5.5	20	P-110	0	16415		
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):	4439.00		
Type: Lead	Volume (sacks):	750	Volume (bbls):	232		
Cement:	1:1:0 'Poz:G'			Density (ppg)	Yield (ft ³ /sk)	Water Req.
Additives:	0.3% ASM-3 + 0.4% FL-17 + 22 FWC-2 + 0.2% C-20 + 0.3% CF-41P			12.5	1.73	9.01

Stage 2:	From Depth (ft):	4439	To Depth (ft):	16415.00		
Type: Tail	Volume (sacks):	1470	Volume (bbls):	489		
Cement:	2:1:0 'Poz:G'			Density (ppg)	Yield (ft ³ /sk)	Water Req.
Additives:	25% Silica Flour (325) + 0.3% ASM-3 + 0.2% C-49 + 0.5% FL-17 + 0.5% FL-17 + 0.1% C-20			13.5	1.87	9.21

SUMMARY

Preflushes:	20 bbls of Mudflush	Calculated Displacement (bbl):	363.85
	40 bbls of Weighted Spacer	Actual Displacement (bbl)	363.85
	_____ bbls of _____	Plug Bump (Y/N):	y
Total Preflush/Spacer Volume (bbl):	60	Bump Pressure (psi):	2550
Total Slurry Volume (bbl):	721	Lost Returns (Y/N):	n (if Y, when)
Total Fluid Pumped	1144.85		
Returns to Surface:	Cement 40 bbls		

Thank You For Using
O - TEX Pumping

Customer Representative Signature: _____

