

COUNTY	COMPANY	CUSTOMER REP
Weld	PDC Energy, Inc.	Jeremy Stolz
WELL NAME	RIG	JOB TYPE
Schaumburg 17G-314	Ensign Drilling 135	Production
SURFACE WELL LOCATION	O-TEX Field Supervisor	
SW NW Sec17:R5N:T64W	Klosterman, Austin	
EMPLOYEES		
	Scott, Derek	
Barden, Sean		
Hall, Andy		

WELL PROFILE

Max Treating Pressure (psi):	3500	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	0	12268		
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	1491		
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	12267		
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):	5600.00
Type: Lead	Volume (sacks):	885	Volume (bbls)	274
Cement:	50% Class C / 50% Poz			Density (ppg)
Additives:	0.3% ASM-3 + 0.5% CFL-10 + 2% FWC-2 + 0.2% C-20 + 0.3% CF-41P + 0.004gal/bbl CDF-5L			Yield (ft³/sk)
				Water Req.
				12.5
				1.74
				9.06

Stage 2:	From Depth (ft):	5600	To Depth (ft):	12268.00
Type: Tail	Volume (sacks):	1040	Volume (bbls)	346
Cement:	35:65:0(POZ:G:GEL)			Density (ppg)
Additives:	25% Silica Flour (325) + 0.3% ASM-3 + 0.2% C-49 + 0.5% CFL-10 + 0.5% CFL-10 + 0.1% C-20 + 0.004gal/bbl CDF-5L			Yield (ft³/sk)
				Water Req.
				13.5
				1.87
				9.21

SUMMARY

Preflushes:	20 bbls of	Mudflush	Calculated Displacement (bbl):	272
	40 bbls of	Weighted Spacer	Actual Displacement (bbl)	272
	10 bbls of	Fresh Water	Plug Bump (Y/N):	Y
Total Preflush/Spacer Volume (bbl):	70		Bump Pressure (psi):	2600
Total Slurry Volume (bbl):	620		Lost Returns (Y/N):	N (if Y, when)
Total Fluid Pumped	962			
Returns to Surface:	12	Spacer		

Customer Representative Signature:

Thank You For Using
O - TEX Pumping

O-Tex / Equipment and Personnel Report						Project Number	Job Data
O-Tex Location		Customer		FL1050		07.31.2016	
Fort Lupton, Colorado 303-857-7948		PDC Energy, Inc.		State		County	
Lease Name		Well No.		O-Tex Field Supervisor		Customer Representative	
Schaumburg 17G-314		Klosterman, Austin		Jeremy Stolz		970-214-0893	
Job Type		Man Hours					
Production		30					
USE THIS FORM TO NOTE ANY ISSUES ENCOUNTERED WITH THE PERFORMANCE OF THIS JOB.							
THIS MAY INCLUDE TIME AT THE SHOP, ON THE ROAD OR DELAYS WITH DRILLING CONTRACTOR.							
DATE	TIME	VOLUME	RATE	PRESS	JOB PROCEDURES		
7/31/2016	23:00				Arrive on location		
7/31/2016	23:05				Sign in		
7/31/2016	23:10				Tailgate Meeting		
8/1/2016	1:40				Rig in		
8/1/2016	1:50				Safety Meeting		
8/1/2016	2:06	3 bbl	1.50	150	Fill Lines		
8/1/2016	2:08			4800	Pressure Test		
8/1/2016	2:10	20 bbl	8.50	500	Pre-flush - Mudflush		
8/1/2016	2:12	40 bbl	9.00	800	Pre-flush - Weighted Spacer (70sx @10ppg)		
8/1/2016	2:17	10 bbl	8.00	500	Pre-flush - Fresh		
8/1/2016	2:19	274 bbl	9.00	800	Pump cement - Lead (885sx @12.5ppg)		
8/1/2016	2:48	346 bbl	9.80	400	Pump cement - Tail (1040sx @13.5ppg)		
8/1/2016	3:34				Wash pumps and lines - Release plug		
8/1/2016	3:35	257 bbl	9.00	1800	Displace		
8/1/2016	4:04	15 bbl	5.00	1700	Decrease pump rate		
8/1/2016	4:06			1800	Pumping pressure before bump		
8/1/2016	4:07			2600	Bump plug		
8/1/2016	4:22			2650	Casing test (15mins) - Check floats (2.5bbbls back)		
8/1/2016	4:30				Rig out		
8/1/2016	5:00				Job complete		
8/1/2016	5:30				Leave location		
JOB CALCULATIONS							
CASING DATA							
9 5/8" 36# - 1491							
5 1/2" 20# 12267							
ANNULAR DATA							
512bbbls							
PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW							