C&J ENERGY SERVICES // O-TEX CEMENTING

Job Summary

Ticket Number		Ticket Date
TN#	FL3566	4/16/2018

COUNTY	COMPANY	API Number
Weld	Noble Energy Inc.	05-123-24936
WELL NAME	**RIG**	**JOB TYPE**
Burbach 15-22	TEC #20	Nio Plug
SURFACE WELL LOCATION	**O-TEX Field Supervisor**	**CUSTOMER REP**
SESW 32-5N-65W	Scott, Derek	Chris Mathias

EMPLOYEES

Peterson, Ryan		
Douglass, Brian		

WELL PROFILE

Max Treating Pressure (psi):	1500	Bottom Hole Static Temperature (°F):	0
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

Open Hole

	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
1					
2					

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7		0	7187		
Production	4.5	11.6		0	7187		

CEMENT DATA

Stage 1:
Type: **Plug**

From Depth (ft): 6581 To Depth (ft): 7187

Volume (sacks): 35 ✓ Volume (bbls): 9.4

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100% Thermal 35+0.3% CFR-2+0.3% ASM-3	15.8	1.52	6.25

SUMMARY

	Stage 1	Stage 2
Calculated Displacement (bbl):	25.4	
Actual Displacement (bbl):	25.5	

Preflushes: 5 bbls of Fresh Water
bbls of
bbls of

TotalPreflush/Spacer Volume (bbl): 5
Total Slurry Volume (bbl): 9.4
Total Fluid Pumped 39.9
Returns to Surface: bbls

Plug Bump (Y/N): N/A Bump Pressure (psi): N/A
Lost Returns (Y/N): N (if Y, when)

Job Notes (fluids pumped / procedures / tools / etc.): CIBP @ 7188' Job went well.

Customer Representative Signature:

Thank You For Using
O-TEX Cementing

C&J ENERGY SERVICES — O-TEX CEMENTING

Job Summary

Ticket Number		Ticket Date
TN#	FL3587	4/17/2018

COUNTY	COMPANY	API Number
Weld	Noble Energy Inc.	05-123-24936
WELL NAME	**RIG**	**JOB TYPE**
Burbach 15-22	TEC #20	Squeeze
SURFACE WELL LOCATION	**O-TEX Field Supervisor**	**CUSTOMER REP**
SESW 32-5N-65W	Scott, Derek	Chris Mathias

EMPLOYEES

Peterson, Ryan		
Cadena, Darius		
	Hagemeyer, Tony	

WELL PROFILE

Max Treating Pressure (psi):	1500	Bottom Hole Static Temperature (°F):	0
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

Open Hole

	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
1	10	1987	2500		
2					

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7		0	2400		
Production	4.5	11.6		0	2500		

CEMENT DATA

Stage 1: Type: **Squeeze**

From Depth (ft): 1987 To Depth (ft): 2500

Volume (sacks): 210 Volume (bbls): 43.3

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100% Class G+0.2% CFR+0.5% C-17+0.5% SCA-7+0.2% C-49	15.8	1.16	5.00

SUMMARY

			Stage 1	Stage 2
Preflushes:	10 bbls of	SAPP	Calculated Displacement (bbl):	9.2	
	6 bbls of	Fresh Water	Actual Displacement (bbl):	7.2	
	bbls of				

TotalPreflush/Spacer Volume (bbl): 16

Total Slurry Volume (bbl): 43.3

Total Fluid Pumped: 66.5

Returns to Surface: 0 bbls

Plug Bump (Y/N): N/A Bump Pressure (psi): N/A

Lost Returns (Y/N): N (if Y, when)

Job Notes (fluids pumped / procedures / tools / etc.): CICR @ 2400'. Holes @ 2500'. 2bbls above CICR, 1.5bbls below CICR. 39.8bbls through holes. 513' of cement in annulus. TOC @ 1987. Job went well.

Customer Representative Signature:

Thank You For Using O-TEX Cementing

C&J ENERGY SERVICES — O-TEX CEMENTING

Job Summary

Ticket Number		Ticket Date
TN#	FL3593	4/18/2018

COUNTY	COMPANY	API Number
Weld	Noble Energy Inc.	05-123-24936
WELL NAME	**RIG**	**JOB TYPE**
Burbach 15-22	TEC #20	Top Plug
SURFACE WELL LOCATION	**O-TEX Field Supervisor**	**CUSTOMER REP**
SE SW 32:5N:65W	Collin, Justin	Chris Mathias

EMPLOYEES
Payne, James
Cicalla, David
Joyner, Barlen

WELL PROFILE

Max Treating Pressure (psi):	800	Bottom Hole Static Temperature (°F):	0
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

Open Hole

	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
1	10	910	968		
2					

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24		0	910		
Tubing	2.375	4.7		0	968		

CEMENT DATA

Stage 1:
Type: **Surface plu**

From Depth (ft): 0 To Depth (ft): 968
Volume (sacks): 298 Volume (bbls): 61

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100% Class G	15.8	1.15	5.00

Stage 2:
Type: **Top-out**

From Depth (ft): 0 To Depth (ft): 42
Volume (sacks): 13 Volume (bbls): 2.7

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100% Class G	15.8	1.15	5.00

SUMMARY

		Stage 1	Stage 2
Preflushes:	10 bbls of SAPP	Calculated Displacement (bbl):	
	5 bbls of Fresh Water	Actual Displacement (bbl):	
	bbls of		

TotalPreflush/Spacer Volume (bbl): 15
Total Slurry Volume (bbl): 61
Total Fluid Pumped: 76
Returns to Surface: Cement 1 bbls

Plug Bump (Y/N): N/A Bump Pressure (psi): N/A
Lost Returns (Y/N): N (if Y, when) N/A

Job Notes (fluids pumped / procedures / tools / etc.): SAPP spacer, fresh spacer, pump 298sx G(neat) @ 15.8ppg. Top-out well

Customer Representative Signature:

Thank You For Using
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