C&J ENERGY SERVICES — O-TEX CEMENTING

Job Summary

Ticket Number		Ticket Date
TN#	FL3564	4/17/2018

COUNTY	COMPANY	
Weld	Noble Energy Inc.	05-123-27050
WELL NAME	RIG	JOB TYPE
Thrall USX AA 19-14	Ranger #21	Day 2 Plugs
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SESW 19 6N63W	Davila, Isreal	Cody Jones

EMPLOYEES

Field, Tony		
White, Cori		

WELL PROFILE

Max Treating Pressure (psi):	500	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	9	784	987		
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	J-55	0	784		
Production	4.5	11.6	P-110	987	1037		
Tubing	2.375	4.7		0	1037		

CEMENT DATA

Stage 1:
Type: **Top Plug**

From Depth (ft): 0 To Depth (ft): 1037

Volume (sacks): 405 Volume (bbls): 83

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): 83
Total Fluid Pumped 98
Returns to Surface: Cement 2 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.): Job performed as per customer's request

Customer Representative Signature:

Thank You For Using O-TEX Cementing

C&J ENERGY SERVICES — O-TEX CEMENTING

Job Summary

Ticket Number	Ticket Date
TN# FL3563	4/16/2018

COUNTY	COMPANY	
Weld	Noble Energy Inc.	05-123-27050
WELL NAME	RIG	JOB TYPE
Thrall USX AA 19-14	TEC # 17	Day 1 Plugs
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
SESW 19-6N-63W	Davila, Isreal	Cody Jones

EMPLOYEES

Field, Tony
Williams, Gerrick

WELL PROFILE

Max Treating Pressure (psi):	2000	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)
Production	4.5	11.6		0	6408		
Tubing	2.375	4.7		0	6408		

CEMENT DATA

Stage 1:
Type: **Nio Plug**

From Depth (ft): 5972 To Depth (ft): 6408
Volume (sacks): 25 Volume (bbls): 7

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

Stage 2:
Type: **Balanced Plug**

From Depth (ft): 2021 To Depth (ft): 2350
Volume (sacks): 25 Volume (bbls): 5

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:	6 bbls of	Fresh Water	Calculated Displacement (bbl):	23	7.5
	bbls of		Actual Displacement (bbl):	22.5	7.5
	bbls of				

TotalPreflush/Spacer Volume (bbl): 6
Total Slurry Volume (bbl): 12
Total Fluid Pumped 48
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.): Job performed to customers request, Job went well

Customer Representative Signature:

Thank You For Using O - TEX Pumping