



# Job Summary

Ticket Number

TN#

FL3762

Ticket Date

5/16/2018

COUNTY	COMPANY	API Number	
Weld	Noble Energy Inc.	05-123-23198	
WELL NAME	RIG	JOB TYPE	
Moser H #34-9	Ranger #21	Balanced Plugs	
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP	
NESE 34 3N65W	Cheal, Sam	Cody Jones	
EMPLOYEES			
Yates, Tony			
Melgarejo, Eduardo			
	Bartez, Xavier		
WELL PROFILE			
Max Treating Pressure (psi):	2000	Bottom Hole Static Temperature (°F):	0
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)
	N/A				

## Casing/Tubing/Drill Pipe

				Stage 1		Stage 2	
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (ft)	TVD to (ft)
Production	4 1/2	11.6		0	6920	0	4650
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (ft)	TVD to (ft)
Tubing	2 3/8	4.7		0	6920	0	4650

## CEMENT DATA

<b>Stage 1:</b>	From Depth (ft):	6488	To Depth (ft):	6920		
Type: Nio Plug	Volume (sacks):	25	Volume (bbbls):	6.7		
Cement & Additives:				Density (ppg)	Yield (ft³/sk)	Water Req.
100% Thermal 35+0.3% ASM-3+0.3% CFR-2				15.8	1.52	6.25
<b>Stage 2:</b>	From Depth (ft):	3992	To Depth (ft):	4650		
Type: Plug	Volume (sacks):	50	Volume (bbbls):	10.2		
Cement & Additives:				Density (ppg)	Yield (ft³/sk)	Water Req.
100% Class G				15.8	1.15	5.00

## SUMMARY

Preflushes:	15 bbbls of	Fresh Water	Calculated Displacement (bbbl):	Stage 1	Stage 2	
	10 bbbls of	Fresh Water	Actual Displacement (bbbl):	24.9	15.1	
	bbbls of			24.5	14.8	
Total Preflush/Spacer Volume (bbbl):	25		Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Slurry Volume (bbbl):	16.9		Lost Returns (Y/N):	No	(if Y, when)	
Total Fluid Pumped	81.2					
Returns to Surface:	Mud					

Job Notes (fluids pumped / procedures / tools / etc.):

**Stage 1** - Pumped 15bbbls fresh water, Mixed / Pumped 6.7bbbls cement @ 15.8ppg, Displaced with fresh water to balance. Estimated cement coverage 6,488 - 6920ft. In 4 1/2" production casing. Waited for rig to pull 2 3/8" tubing to 4,650ft. **Stage 2** - Pumped 10bbbls fresh water, Mixed / Pumped 10.2bbbls cement @ 15.8ppg, Displaced with fresh water to balance. Estimated cement coverage 3,992 - 4,650ft. In 4 1/2" production casing. Pumped job as per program / customers request. Detailed discription of events in Job Log.

Customer Representative Signature:

Thank You For Using

O-TEX Cementing

[illegible]



# Job Summary

Ticket Number		Ticket Date	
TN#	FL3763	5/17/2018	

COUNTY	COMPANY	API Number
Weld	Noble Energy Inc.	05-123-23198
WELL NAME	RIG	JOB TYPE
Moser H #34-9	TEC #17	Squeeze
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP
NESE 34 3N65W	Collin, Justin	Cody Jones

EMPLOYEES		
Williamson, Garrick		
Abdi, Aden	Watkins, Robert	
	Douglass, Brian	

WELL PROFILE			
Max Treating Pressure (psi):	2000	Bottom Hole Static Temperature (°F):	0
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)
	9	887	2500		
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)
Tubing	2.375	4.7		0	2400		
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	2500		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24		0	668		

## CEMENT DATA

Stage 1:	From Depth (ft):	1991	To Depth (ft):	2500
Type: Squeeze	Volume (sacks):	165	Volume (bbls):	33.7

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

Stage 2:	From Depth (ft):	0	To Depth (ft):	944
Type: Stub Plug	Volume (sacks):	269	Volume (bbls):	55

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

## SUMMARY

Preflushes:	20 bbls of SAPP	Calculated Displacement (bbl):	Stage 1	Stage 2	
	10 bbls of Fresh Water	Actual Displacement (bbl):	9.2		
			7.2		
Total Preflush/Spacer Volume (bbl):	30	Plug Bump (Y/N):	N/A	Bump Pressure (psi):	N/A
Total Slurry Volume (bbl):	125.8	Lost Returns (Y/N):	N	(If Y, when)	
Total Fluid Pumped	163				
Returns to Surface:	Cement	2.7 bbls			

Job Notes (fluids pumped / procedures / tools / etc.):

Filled lines with 1bbl of fresh water. Pressure tested pumps and lines to 4740psi. Pumped 10bbls of fresh water + SAPP. Pumped 5bbls of fresh water ahead. Batched and pumped 33.7bbls of 15.8ppg cement (1.15 yield). Displaced with 7.2bbls of fresh water, leaving 2bbls of cement on top of the retainer, per customer's request. Waited on wireline and rig. Filled lines with 1bbl of fresh water. Pressure tested pumps and lines to 2483psi. Pumped 10bbls of fresh water + SAPP. Pumped 5bbls of fresh water ahead. Batched and pumped 268sx of 15.8ppg cement (1.15 yield). Waited on rig to nipple down. Topped off with 2.7bbl of 15.8ppg cement (1.15 yield).

Thank You For Using  
O-TEX Cementing

Customer Representative Signature:

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