



**Bison Oil Well Cementing**  
**Single Cement Surface Pipe**

Customer  
Well Name

Noble Energy  
Malo 01

INVOICE #  
LOCATION  
FOREMAN  
Date

666339  
Weld  
Nick  
7/24/2018

Treatment Report Page 2

**DESCRIPTION OF JOB EVENTS**

Amount Pumped	Time/Date	Event	Description	Rate	BBLs	Pressure
% Excess 0%	16:00	Arrive on location				
Mixed bbls 199.7	17:15	Rig Up				
Total Sacks 1035	17:45	JSA	Held JSA with all personel involved in job.			
bbl Returns	17:50	Test Lines	Pressure tested lines to 1000 psi.			
Water Temp 60	17:52	Water Spacer	Fresh Water	2.9	20	800
	17:56	Pumped Cement	15.8 ppg Blended G (120 sks)	3.3	31.2	440
Notes:	18:12	Displacement	Fresh Water	3.6	1.5	100
Plug #1 set from 6000'-5523' ✓	18:20	Shut Down	Wait on rig to POOH to 3000'			
	21:50	Test Lines	Pressure tested lines to 1500 psi.			
Plug #2 set from 3000'-2626' ✓	21:52	Water Spacer	Fresh Water	2	5	200
	21:53	Pumped Cement	15.8 ppg G Neat (120 sks)	3.6	24.5	100
Plug #3 set from 1600'-805' ✓	21:59	Displacement	Fresh Water	3.6	10	100
	22:01	Shut Down	Wait on rig to POOH to 1600'			
Plug #4 set from 800'-434' ✓	23:38	Water Spacer	Fresh Water	3	5	200
	23:39	Pumped Cement	15.8 ppg G Neat (325 sks)	4	48	170
Plug #5 set from 434'-Surface ✓	23:51	Displacement	Fresh Water	3.3	4	150
	23:52	Shut Down	Wait on rig to POOH to 800'			
	0:57	Dye Spacer		2.2	10	180
	1:02	Pumped Cement	15.8 ppg G Neat (336 sks)	2.8	69	80
	1:29	Displacement	Fresh Water	1.7	1.5	260
	1:30	Shut Down	WOC			
	13:43	Dye Spacer		2	5	50
	13:46	Pumped Cement	15.8 ppg G Neat (134 sks)	2.5	27	150
	13:56	Displacement	Fresh Water			
	13:57	Shut Down				
	14:00	End Job				
	14:30	Crew Left Location				

X  
Signature

X  
Title

X  
Date