



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

INVOICE #	666339
LOCATION	Weld
FOREMAN	Nick
Date	7/24/2018

Customer	Noble Energy
Well Name	Malo 01

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**DESCRIPTION OF JOB EVENTS**

Amount Pumped	Time/Date	Event	Description	Rate	BBLs	Pressure
% Excess <b>0%</b>	16:00	Arrive on location				
Mixed bbls 199.7	17:15	Rig Up				
Total Sacks <b>1035</b>	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
<b>Plug #1 set from</b>	18:20	Shut Down	Wait on rig to POOH to 3000'			
<b>6000'-5523'</b> ✓	21:50	Test Lines	Pressure tested lines to 1500 psi.			
<b>Plug #2 set from</b>	21:52	Water Spacer	Fresh Water	2	5	200
<b>3000'-2626'</b> ✓	21:53	Pumped Cement	15.8 ppg G Neat (120 sks)	3.6	24.5	100
<b>Plug #3 set from</b>	21:59	Displacement	Fresh Water	3.6	10	100
<b>1600'-805'</b> ✓	22:01	Shut Down	Wait on rig to POOH to 1600'			
<b>Plug #4 set from</b>	23:38	Water Spacer	Fresh Water	3	5	200
<b>800'-434'</b> ✓	23:39	Pumped Cement	15.8 ppg G Neat (325 sks)	4	48	170
<b>Plug #5 set from</b>	23:51	Displacement	Fresh Water	3.3	4	150
<b>434'-Surface</b> ✓	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 \_\_\_\_\_