Bison Oil Well Cementing

Date	7/18/2018
INVOICE #	300163
LOCATION	Weld
FOREMAN	JASON KELEHER

Treatment Report Page 2

Customer	Noble Energy Inc.
Well Name	STATE 1

DESCRIPTION OF JOB EVENTS

Amount Pumped		Time/Date	Event	Description	Rate	BBLs	Pressure
Lead mixed bbls		630	ARRIVE ON LOCATION	ASSESS LOCATION AND HAZARDS			
Lead % Excess		1130	MIRU	SPOT EQUIPMENT, PRE RIG UP MEETING			
Lead Sacks	0	1250	PRE JOB SAFETY MEETING	RIG CREW AND BISON			
		1321	PRESSURE TEST LINES				1500
		1323	SPACER AHEAD	WATER SUPPLIED BY RIG	3	10	400
Tail mixed bbls		1327	CEMENT	CEMENT MIXED AT 15.8 PPG W/ 30% SILICA	4	31.2	170
Tail % Excess		1334	DISPLACEMENT	DISPLACEMENT	3	12	400
Tail Sacks	0	1338	SHUT DOWN				
		1551	SPACER AHEAD	WATER SUPPLIED BY RIG	3	10	280
Total Sacks		1554	CEMENT	CEMENT MIXED AT 15.8 PPG W/ 2% CC	4	48.3	200
Water Temp	60	1606	DISPLACEMENT	DISPLACEMENT	4	3	200
bbl Returns		1606	SHUT DOWN				
		2001	SPACER AHEAD	WATER SUPPLIED BY RIG W/ DYE	4.5	10	320
Notes:		2006	CEMENT	CEMENT MIXED AT 15.8 PPG	5	99.9	360
PLUG #1- PIPE @ 3000'		2028	DISPLACEMENT	WATER SUPPLIED BY RIG	1.8	1	110
PLUG #2- PIPE AT 1600'		2028	SHUT DOWN	monitered well no top off			
TAG CEMENT AT 829'		1200	RIG DOWN				
PLUG #3- PIPE AT 825'		130	LEAVE LOCATION				

X
Signature

X
Title

X
Date