

CUSTOMER OR HIS AGENT SIGNATURE



Service Order #: 70,008C

Date: 02-Mar-16

Well Name	Location	County	St	API#		
BOULTER 31-01		WELD	CO			
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG		REWORK		

Customer: NOBLE ENERGY

Remarks: CLASS G CMT, 1.15 YIELD, 15.8#

35 SK, 7.2 BBLS @6944'
100 SKS, 20.5 BBLS STUB PLUG
185 SKS, 38 BBLS TO SURFACE
10 SKS, 2 BBL TOP OFF

Customer Rep: TYSON

PH:

WELLBORE DATA

Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	423.0	
Production Casing:	4.500	11.6	6,944.0	
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	6,944.0	

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	10.000	423.0		

OTHER DATA

BHT	Max PSI	Total Depth
	1,269	6,944.0

Packer or RetainerType / Depth:

Perf Depths:	#	Total
	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gl)	(psi)	(bbls)	(bbls)	
7:34	0	0.0	2.26	2,006	48.2	72.4	PSI TEST
7:37	29	0.0	7.63	18	0.0	0.0	H2O SPACER
7:41	30	0.7	15.90	59	2.5	2.5	START CMT
7:45	0	2.2	15.30	83	7.1	9.7	START DISPLACEMENT
7:55	0	0.4	8.05	42	32.3	34.8	OFFLINE
8:04	0	0.0	0.00	0	0.0	0.0	Paused 08:04:17-07:01:11
7:45	0	0.0	6.88	4,083	5.8	5.8	PSI TEST
7:47	66	0.0	6.88	12	0.0	0.0	H2O SPACER
7:57	0	2.0	15.47	507	14.9	14.9	START CMT
8:07	40	2.0	15.65	716	20.6	35.7	START DISPLACEMENT
8:12	0	1.0	11.77	643	9.0	45.2	OFFLINE
8:16	0	0.0	11.77	7	11.6	47.8	ANNOTATION
9:03	0	0.0	10.59	7	0.0	0.0	H2O SPACER
9:09	0	1.5	12.90	493	6.0	6.0	BROKE CIRCULATION OFFLINE
9:11	0	0.0	15.15	48	0.0	6.3	START CMT
9:31	45	2.0	15.97	316	38.0	44.3	CMT TO SURFACE
9:32	0	0.0	15.70	131	39.4	45.7	OFFLINE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.2	0.9	4,160	291

Customer Acknowledgement:

Service Rating:

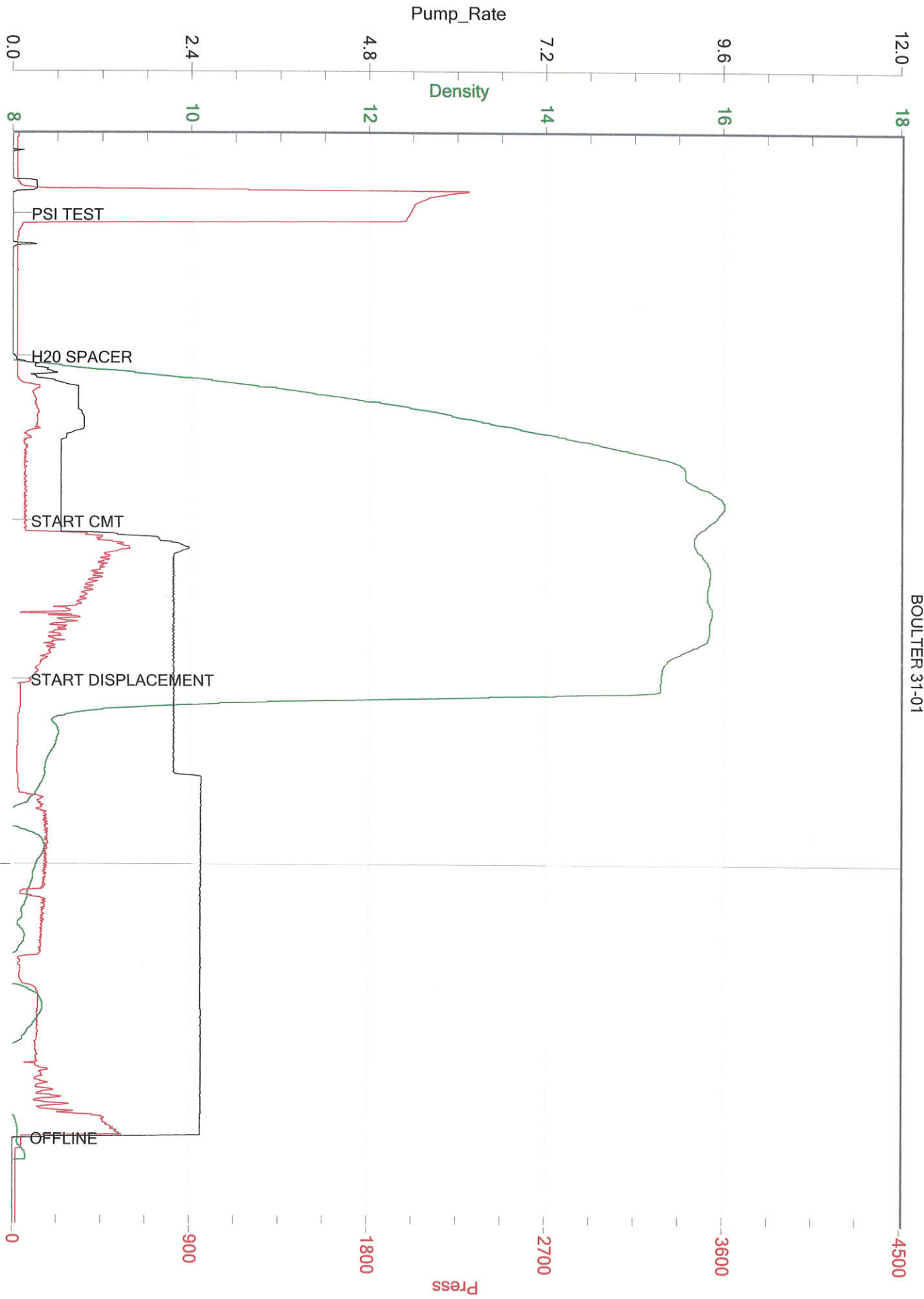
- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

A.HOWELL

PRODUCTS USED

NOBLE ENERGY
BOULTER 31-01



Job Started On: 03/01/2016 @ 7:27:51 AM

NOBLE ENERGY
BOULTER 31-01

