Post Job Report

Service with Integrity

Customer: BISON IV OPERATING LLC

Job Type: Plug and Abandonment

Job Date: 06/19/2024

Well Name: Malo 2

API #: 05-123- 05548

Service Station: Cheyenne

Client Representative: Jake Van Bramer

Sales Representative: Josh Hoffman

Author: Yithanllily Silvester

Disclaimer

The information provided in this report is confidential and intended solely for the use of the individual or entity to whom they are addressed. Magnum Cementing Services Technical Team give a based-on facts interpretation. If you are not the named addressee you should not disseminate, distribute, or copy this information. Please notify the sender immediately by e-mail if you have received this report by mistake and delete it from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing, or taking any action in reliance on the contents of this information is strictly prohibited. Any use of this information for the decision-making process is exclusively Customer responsibility.

Table of Contents

1. Well Properties

Well Properties	
Hole Size (in)	7.785
Casing Size (in)	10.75/8.625
Grade / Weight (lb/ft)	TBD
TVD/TMD (ft)	6005
BHCT / BHST (F)	144/170 (TD)

Cement Blend Data

This is the blend data of the Cement ordered for the job.

Blend Description	Cement Properties
Base Cement Blend : MAG G 15.8	
Mix Water (gal/sk)	4.99
Yield (ft^3/sk)	1.15

2. Job Sequence / Procedure 1of 2

US Treatment Report

Magnum Cementing Services

Customer:	BISON OIL & GAS			**Job #:**	JOB00185544
Rep:	Rusty Tucker	**Rig:**	Service Rig	**Job Date**	Jun 19 @ 00:00
Supervisor:	ANTHONY GARCIA	**Well:**	Malo 2	**Time Requested:**	Jun 19 @ 08:36
Job Type:	US Remedial Plug-Abandonment	**UWI:**	Malo 2	**Time Arrived:**	Jun 20 @ 03:00
		Surface:	Malo 2	**Time Released:**	Jun 21 @ 04:00

100 sk	MAG G 15.8 + 0.30% MCFR-2 + 0.40% MCR-1 + 0.10% MCDF-P				
		Yield:	1.15 ft3/sk = 20.48bbls	Mix Water:	4.99 gal/sk = 499gal
100 sk	MAG G 15.8 + 1.00% MCA-1 + 0.30% MCFR-2 + 0.10% MCDF-P				
		Yield:	1.15ft3/sack = 20.48bbls	Mix Water:	4.99gal/sack = 499gal
128 sk	MAG G 15.8 + 1.00% MCA-1 + 0.30% MCFR-2 + 0.10% MCDF-P				
		Yield:	1.15ft3/sack = 26.22bbls	Mix Water:	4.99gal/sack = 638.72gal
100 sk	MAG G 15.8 +				
		Yield:	1.15ft3/sack = 20.48bbls	Mix Water:	4.99gal/sack = 499gal
24.4 sk	MAG G 15.8				
		Yield:	1.15ft3/sack = 5bbls	Mix Water:	4.99gal/sack = 121.76gal

BHCT (F)	144	BHST (F)	170	Surface Casing Size (in)	8.625
Surface Casing Weight (lb/ft)	24	Production Casing Grade	TBC	Max Pressure (psi)	1000
TMD (ft)	6020	TVD (ft)	6020	Tubing Grade	L80
Tubing Weight (lb/ft)	6.5	Tubing Size (in)	2.875		

Treatment Info: Sacks Used: 452.4 Sacks Not Used: 0

Preflush:

Displace:

Circulation Time:

Slurry Temp:	81	Bulk Sample:	Yes
Water Temp:	63	Water Sample:	Yes
Bulk Temp:	60	Slurry Sample:	
Air Temp:	61	Air Pressure	29.9

Slurry Returns: Plug Bumped: Pump Out Lines: Float Held:

Cement Class: OWG Humidity: 84 Precipitation: 0

Further Blend Details:

Prehydrated:

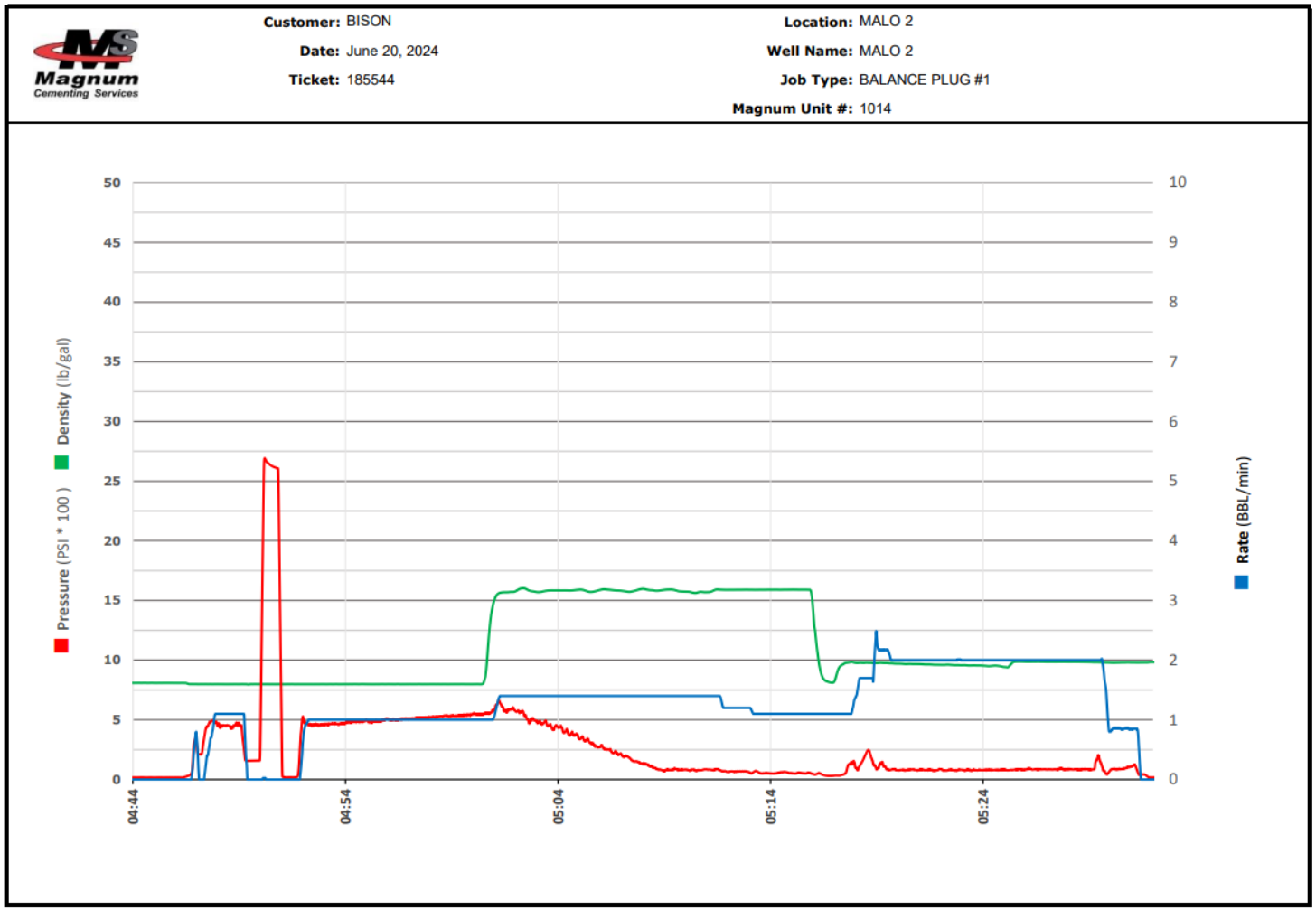
Additional Details (General Notes):

Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/min	Treatment Detail
02:30	0.00					Arrive on Location - GOT NUMBERS FROM COMPANY MAN TESTED WATER PH-7 HARDNESS-300 CHLORIDES-100 TEMP-63

Job Sequence / Procedure 2 of 2

04:30	0.00					Safety Meeting - WENT OVER SAFETY AND JOB PROCEDURE WITH RIG CREW AND MAGNUM CREW
04:43	450.00			2	1	Fill Lines
04:46	2,600.00			0.5	.5	Start Pressure Test - TEST LINES TO 2600 PSI
04:48	450.00			8	1	Pump Preflush - FRESH WATER SPACER AHEAD
04:57	550.00			20.4	2	Pump Slurry - MIX AND PUMP 100 SKS/20.4 BBLS OF MAG G 15.8 PPG YIELD-1.15 VERIFIED WITH PRESSURIZED SCALES
05:12	100.00			1.1	1	Displace - FRESH WATER SPACER BEHIND
05:13	100.00			31.7	2	Displace - MUD DISPLACMENT TO BALANCE CALCULATED TOP OF CEMENT AT 5681.4'
05:31	0.00					Stop Pumping - WAITING FOR RIG TO TAG PLUG
09:15	0.00					Safety Meeting - WENT OVER SAFETY AND JOB PROCEDURE FOR NEXT PLUG
09:43	250.00			2	2	Fill Lines
09:46	2,450.00					Start Pressure Test - TEST LINES TO 2400 PSI
09:48	250.00			8	2	Pump Preflush - FRESH WATER SPACER
09:53	200.00			20.4	2	Pump Slurry - MIX AND PUMP 100 SKS/20.4 BBLS OF MAG G 15.8 PPG YIELD-1.15 VERIFIED WITH PRESSURIZED SCALES
10:05	50.00			4.8	1	Displace - FRESH WATER CALCULATED TOP OF CEMENT AT 734.2'
10:10	0.00					Stop Pumping - WAITING FOR RIG TO TAG PLUG
15:04	100.00			26.2	2	Pump Slurry - MIX AND PUMP 128 SKS/26.2 BBLS OF MAG G 15.8 TO SURFACE 3 BBLS TO SURFACE
15:17	0.00					Stop Pumping - WAITING FOR RIG TO TAG CEMENT
15:20	0.00					Wash Up Truck
20:38	50.00			1	1	Fill Lines
20:40	2,100.00					Start Pressure Test - TEST LINES TO 2100 PSI
20:46	150.00			20.4	2	Pump Slurry - MIX AND PUMP 100 SKS/20.4 BBLS OF MAG G 15.8 PPG
20:55	0.00					Stop Pumping - WAIT FOR RIG TO TAG
03:00	0.00					Pump Slurry - MIX AND PUMP 24.4 SKS/5BBLS TO TOP OFF WELL
03:15	0.00					Wash Up Truck
04:00	0.00					Leave Location

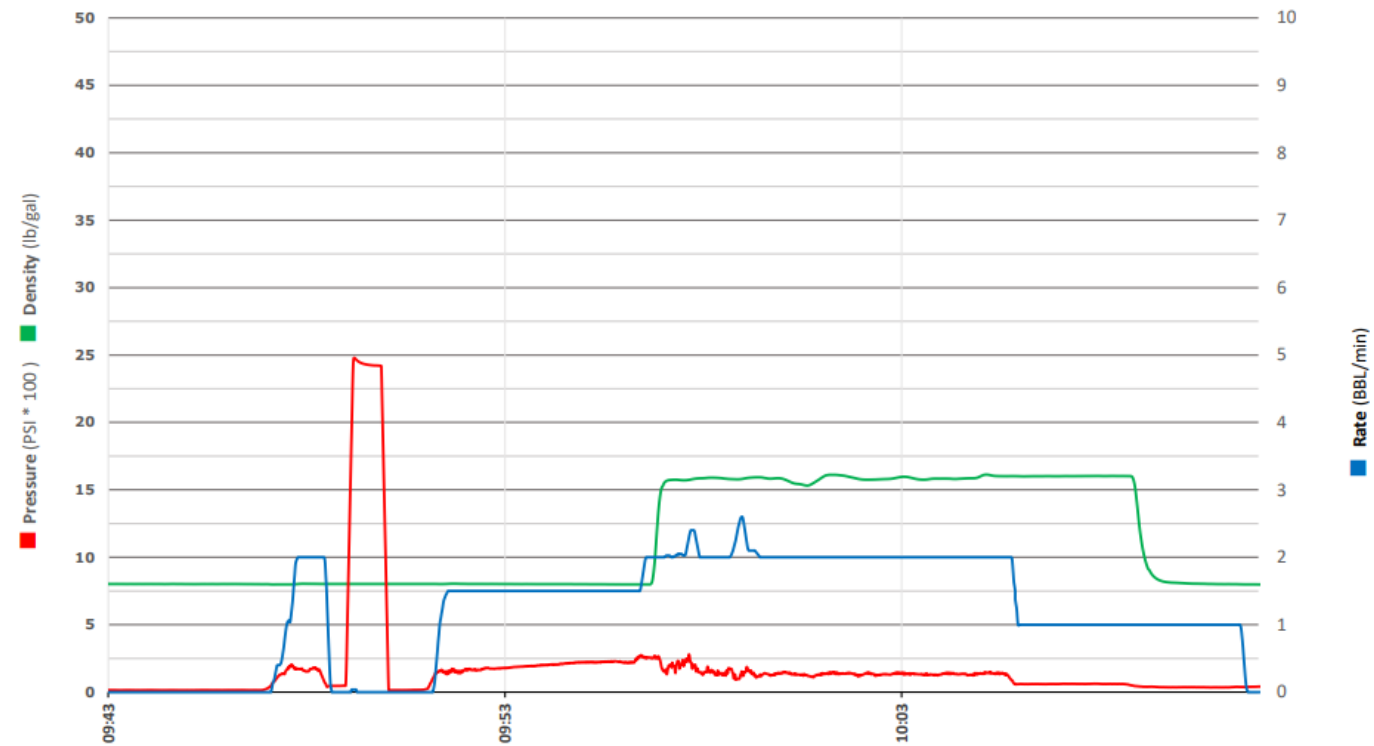
3. Job Graph


Customer: BISON
Location: MALO 2
Date: June 20, 2024
Well Name: MALO 2
Ticket: 185544
Job Type: BALANCE PLUG #1
Magnum Unit #: 1014
Magnum Cementing Services
Density (lb/gal)
Pressure (PSI * 100)
Rate (BBL/min)
50
45
40
35
30
25
20
15
10
5
0
10
9
8
7
6
5
4
3
2
1
0
04:44
04:54
05:04
05:14
05:24

Magnum Cementing Services

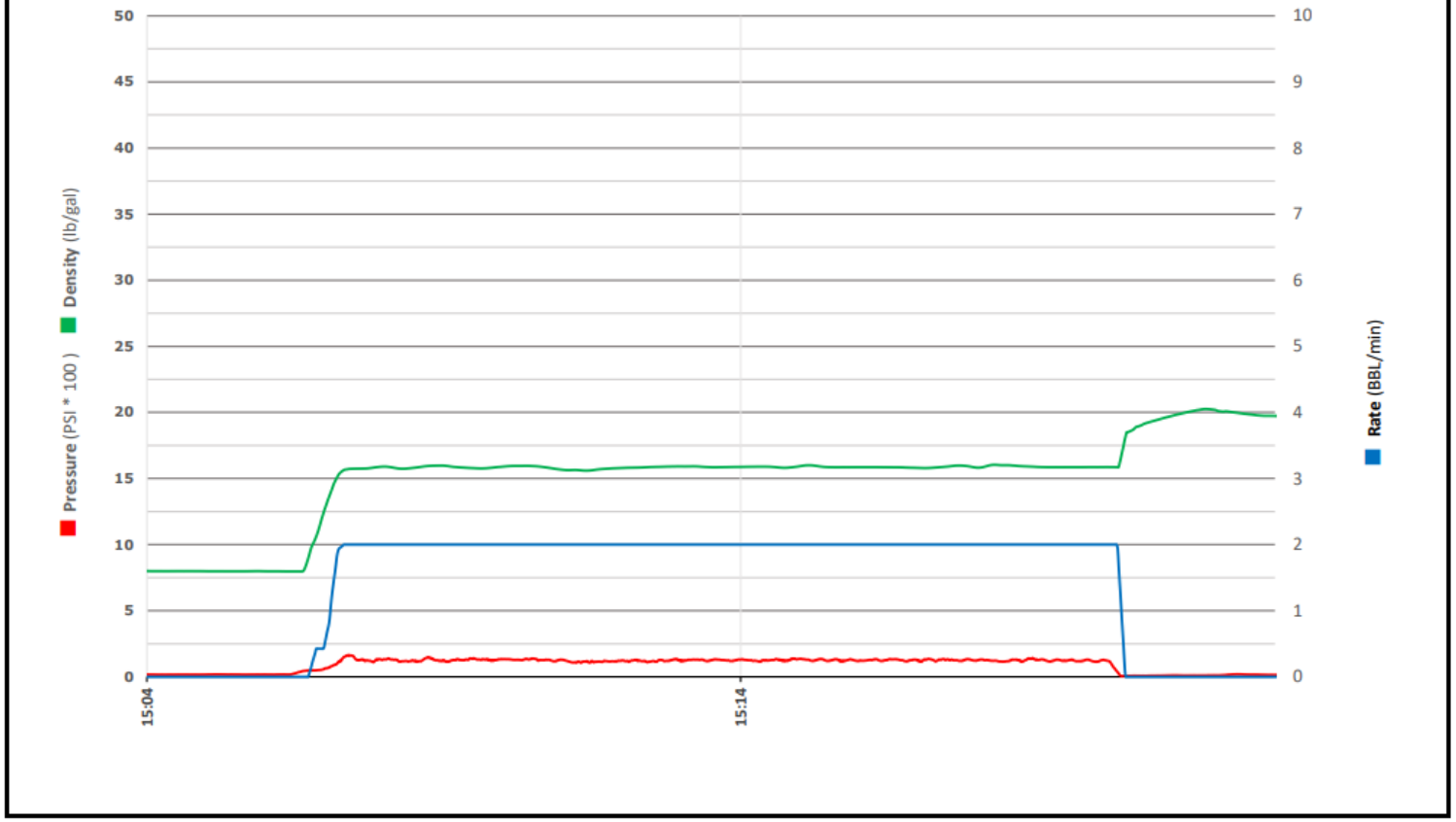
Customer: BISON
Date: June 20, 2024
Ticket: 185544

Location: MALO 2
Well Name: MALO 2
Job Type: BALANCE PLUG #2
Magnum Unit #: 1014



Customer: BISON
Date: June 20, 2024
Ticket: 185544

Location: MALO 2
Well Name: MALO 2
Job Type: SURFACE
Magnum Unit #: 1014



Customer: BISON
Date: June 20, 2024
Ticket: 185544

Location: MALO 2
Well Name: MALO 2
Job Type: SURFACE PLUG
Magnum Unit #: 1014