

FRAM OPERATING LLC

Mansur 33-4-D

Craig #6

Post Job Summary

Cement Surface Casing

Date Prepared: 05/05/14

Job Date: 05/03/14

Submitted by: Evan Russell - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 359500	Ship To #: 3534064	Quote #: 0021878447	Sales Order #: 0901410757
Customer: FRAM OPERATING LLC		Customer Rep: ARVID MOSNES	
Well Name: MANSUR	Well #: 33-4-D	API/UWI #: 05-077-10217-00	
Field: WHITEWATER	City (SAP): WHITEWATER	County/Parish: MESA	State: COLORADO

Legal Description: SE NE-33-12S-97W-1838FNL-611FEL

Contractor: Rig/Platform Name/Num: Craig #6

Job BOM: 7521

Well Type: DIRECTIONAL OIL

Sales Person: HALAMERICA\HB80977 Srvc Supervisor: Dustin Smith

Job

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type	BHST		
Job depth MD	486.52ft	Job Depth TVD	486.52
Water Depth		Wk Ht Above Floor	4 FT
Perforation Depth (MD)	From	To	

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	8.921	36	STC	J-55	0	486.52		0
Open Hole Section			12.25				0	486.52		0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625	1		486.52	Top Plug	9.625	1	HES
Float Shoe	9.625	1						
Float Collar	9.625	1		440.42				
Insert Float	9.625	1			Plug Container	9.625	1	HES
Stage Tool	9.625	1						

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water Displacement	Fresh Water Displacement	5	bbl	8.34			3	

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
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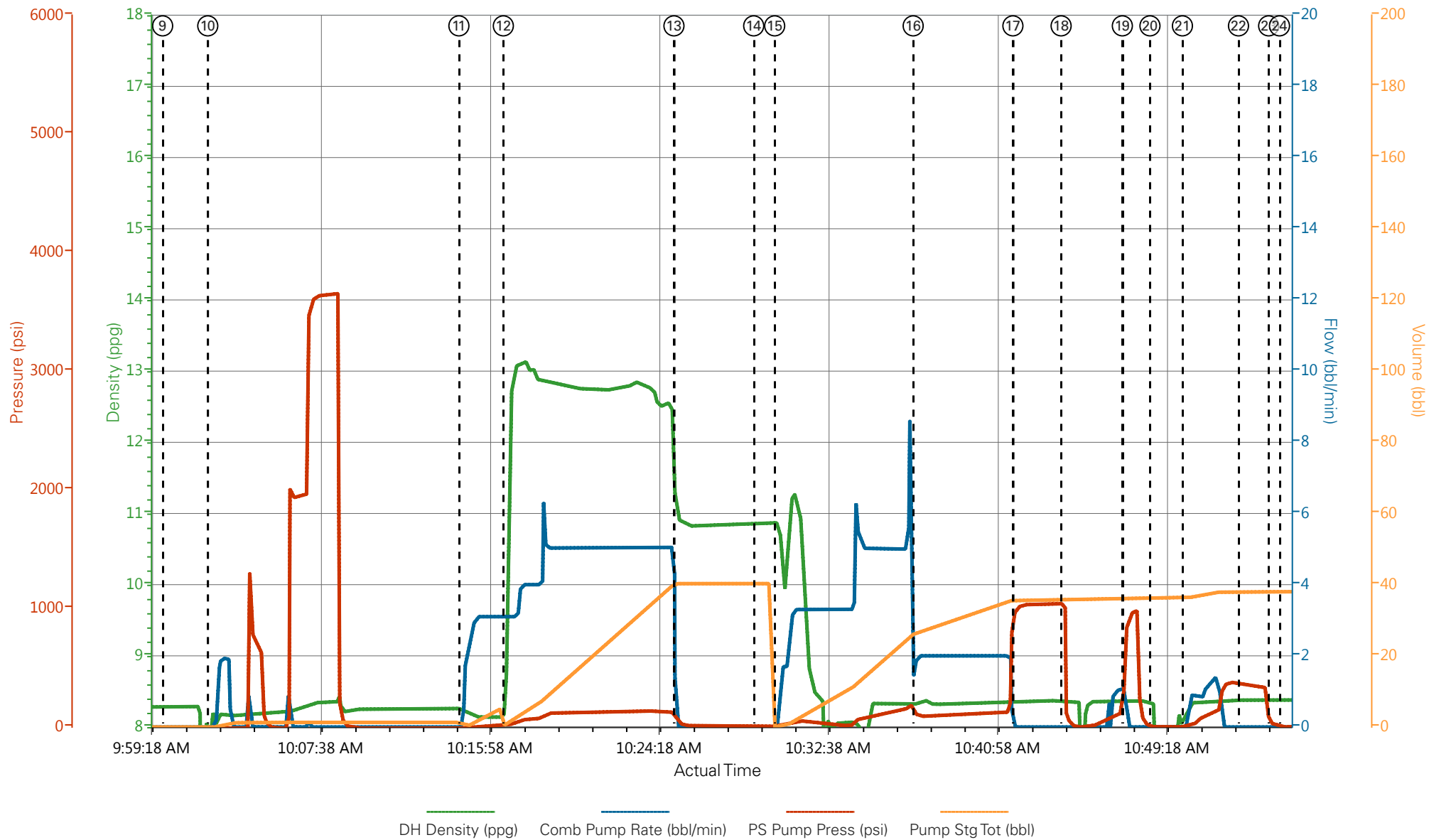
2	Tail Cement	VARICEM (TM) CEMENT	110	sack	12.8	2.18		5.0	12.11
12.11 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Fresh Water Displacement	Fresh Water Displacement	34	bbl	8.34			5.0	
Cement Left In Pipe		Amount	46.1 ft		Reason		Shoe Joint		
Comment									

3.5 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stage Total (bbl)	Comment
Event	1	Call Out	6/6/2014	21:00:00	USER					ELITE # 8
Event	2	Pre-Convoy Safety Meeting	6/6/2014	22:00:00	USER					ALL HES EMPLOYEES
Event	3	Arrive At Loc	6/6/2014	23:00:00	USER					ARRIVED ON LOCATION 4 HOURS EARLY DIDNT START CHARGING TIME UNTIL REQUESTED ON LOCATION TIME
Event	4	Assessment Of Location Safety Meeting	6/7/2014	06:00:00	USER					ALL HES EMPLOYEES
Event	5	Pre-Rig Up Safety Meeting	6/7/2014	06:10:00	USER					ALL HES EMPLOYEES
Event	6	Rig-Up Equipment	6/7/2014	06:30:00	USER					1 HT-400 PUMP TRUCK (ELITE # 8) 1 BODY LOAD BULK TRUCK 1 F-550 PICKUP
Event	7	Pre-Job Safety Meeting	6/7/2014	08:50:22	USER					ALL HES EMPLOYEES AND RIG CREW
Event	8	Rig-Up Completed	6/7/2014	08:50:35	USER					RIG DRILLED WITH AIR
Event	9	Start Job	6/7/2014	10:00:00	COM5					TD: 486.52 TP: 486.52 SJ: 46.10 9 5/8 36# J-55 CSG OH: 12 1/4
Event	10	Test Lines	6/7/2014	10:02:13	COM5	8.33	0.00	3639	2.0	PRESSURE TEST OK
Event	11	Pump Spacer 1	6/7/2014	10:14:35	COM5	8.33	3.0	16	5	PUMP FRESH WATER SPACER
Event	12	Pump Tail Cement	6/7/2014	10:16:46	COM5	12.8	5.0	150	42.7	110 SKS 12.8 PPG 2.18 YIELD 12.11 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Event	13	Shutdown	6/7/2014	10:25:10	COM5					
Event	14	Drop Top Plug	6/7/2014	10:29:06	COM5					PLUG AWAY NO PROBLEMS WASHED UP ON TOP OF THE PLUG AS PER COMPANY REP

Event	15	Pump Displacement	6/7/2014	10:30:08	COM5	8.33	5.0	130	34	FRESH WATER DISPLACEMENT
Event	16	Other	6/7/2014	10:36:57	COM5	8.33	2.0	180	24	SLOW RATE TO BUMP PLUG
Event	17	Bump Plug	6/7/2014	10:41:52	COM5	8.33	2.0	1030	34	PSI BEFORE BUMPING PLUG @ 190 PSI BUMPED PLUG UP TO 1030 PSI
Event	18	Other	6/7/2014	10:44:14	COM5					FLOATS NOT HOLDING
Event	19	Bump Plug	6/7/2014	10:47:15	USER	8.33	1.00	981	1	BUMP PLUG 2ND TIME AS PER COMPANY REP BUMPED UP TO 981 PSI
Event	20	Check Floats	6/7/2014	10:48:37	USER					FLOATS NOT HOLDING
Event	21	Bump Plug	6/7/2014	10:50:13	USER	8.33	1.0	341	1	PRESSURE UP TO 341 PSI AND SHUT IN WELL AS PER COMPANY REP
Event	22	Shut In Well	6/7/2014	10:52:58	USER	8.33	0.00	341		SHUT IN WELL WITH 341 PSI AND LEFT PLUG CONTAINER AND VALVE ON CASING
Event	23	Other	6/7/2014	10:54:27	USER					RELEASE PRESSURE OFF OF HES IRON
Event	24	End Job	6/7/2014	10:55:00	COM5					GOT RETURNS 28 BBLS INTO DISPLACEMENT RETURNED 3 BBLS OF CEMENT TO SURFACE
Event	25	Pre-Rig Down Safety Meeting	6/7/2014	11:00:00	USER					ALL HES EMPLOYEES
Event	26	Rig-Down Equipment	6/7/2014	11:10:00	USER					
Event	27	Pre-Convoy Safety Meeting	6/7/2014	11:45:00	USER					ALL HES EMPLOYEES
Event	28	Crew Leave Location	6/7/2014	12:00:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT DUSTIN SMITH AND CREW

FRAM - MANSUR 33-3-D - 9 5/8 SURFACE



- | | | | | | |
|---|--------------------------|---------------------|-----------------|--------------------------------|------------------------------|
| ① Call Out | ⑥ Rig-Up Equipment | ⑪ Pump Spacer 1 | ⑯ Slow Rate | 21 Bump Plug | 26 Rig-Down Equipment |
| ② Pre-Convoy Safety Meeting | ⑦ Pre-Job Safety Meeting | ⑫ Pump Tail Cement | ⑰ Bump Plug | 22 Shut In Well | 27 Pre-Convoy Safety Meeting |
| ③ Arrive At Loc | ⑧ Rig-Up Completed | ⑬ Shutdown | ⑱ Check Floats | 23 Release Pressure | 28 Crew Leave Location |
| ④ Assessment Of Location Safety Meeting | ⑨ Start Job | ⑭ Drop Top Plug | ⑲ Bump Plug | 24 End Job | |
| ⑤ Pre-Rig Up Safety Meeting | ⑩ Test Lines | ⑮ Pump Displacement | 20 Check Floats | 25 Pre-Rig Down Safety Meeting | |

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Created: 2014-06-06 21:53:09, Version: 3.0.121

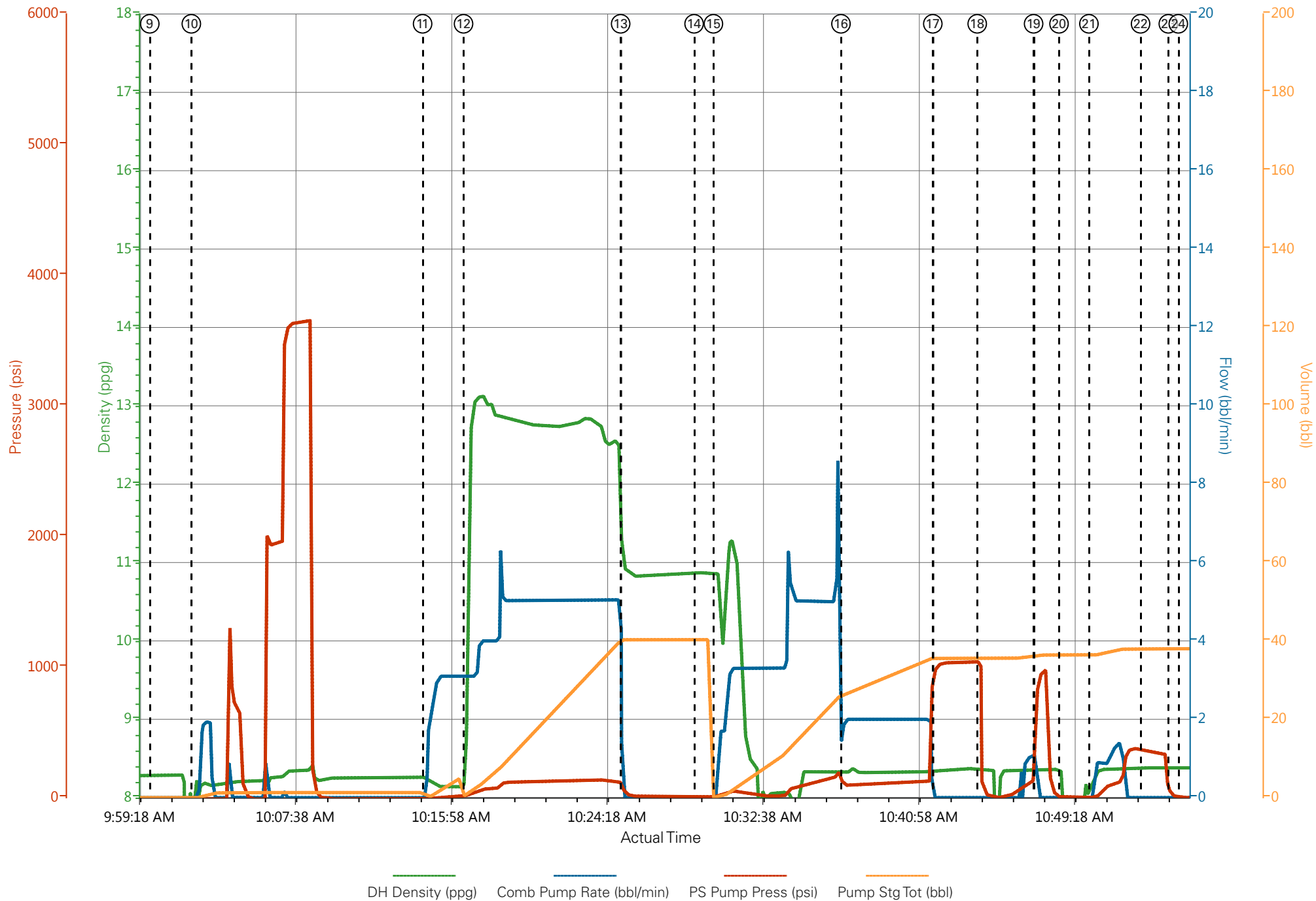
Edit

Customer : FRAM OPERATING LLC
Representative : ARVID MOSNES

Job Date : 6/7/2014 8:48:35 AM
Sales Order # : 0901410757

Well : MANSUR 33-4-D
ELITE # 8 : DUSTIN SMITH / ROB EICKHOFF

FRAM - MANSUR 33-4-D - 9 5/8 SURFACE



HALLIBURTON

Water Analysis Report

Company: FRAM

Submitted by: DUSTIN SMITH

Attention:

Lease MANSUR

Well # 33=4=D

Date: 6/7/2014

Date Rec.: 6/7/2014

S.O.# 901410757

Job Type: SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	200 Mg / L
Calcium (Ca)	<i>500</i>	0 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	UNDER 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-90</i>	60 Deg
Total Dissolved Solids		340 Mg / L

Respectfully: DUSTIN SMITH

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or

Sales Order #: 0901410757	Line Item: 10	Survey Conducted Date: 6/7/2014
Customer: FRAM OPERATING LLC		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: ARVID MOSNES		API / UWI: (leave blank if unknown) 05-077-10217-00
Well Name: MANSUR		Well Number: 0080611101
Well Type: DIRECTIONAL OIL	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: MESA

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	6/7/2014
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX37079
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	ARVID MOSNES
HSE	Was our HSE performance satisfactory? Circle Y or N	Yes
Equipment	Were you satisfied with our Equipment? Circle Y or N	Yes
Personnel	Were you satisfied with our people? Circle Y or N	Yes
Customer Comment	Customer's Comment	GREAT GUYS WITH AWESOME ATTITUDE . EQUIPMENT 100%

CUSTOMER SIGNATURE

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	6/7/2014

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	3
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	1
Customer Non-Productive Rig Time (hrs) Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	0
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	6
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: MANSUR		Well Number: 0080611101
Well Type: DIRECTIONAL OIL	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: MESA

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	90
Was Automated Density Control Used? Was Automated Density Control (ADC) Used ?	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	90
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0