O-Tex Pumping, LLC — Job Summary

Ticket Number		Ticket Date
TN#	FL2131	7/31/2017

COUNTY	COMPANY	API Number
Weld	Anadarko Petroleum Corporation	05-123-07760
WELL NAME	**RIG**	**JOB TYPE**
Mathisen James H B 1	Brigade #4	Nio Squeeze
SURFACE WELL LOCATION	**O-TEX Field Supervisor**	**CUSTOMER REP**
SW SW 12 T 1N R 67W	Douglass, Brian	Socorro Olivas

EMPLOYEES

Douglass, Brian
Watkins, Robert
Hernandez, Omar

WELL PROFILE

Max Treating Pressure (psi):	2000	Bottom Hole Static Temperature (°F):	0
Bottom Hole Circulating Temperature (°F):		Well Type:	Oil

Open Hole

	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
1	7 7/8	6750	7200	6250	7200
2					

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	4.5	11.6	P-110	0	7200	0	7200
Tubing	2 3/8	4.7		0	6786	0	6786

CEMENT DATA

Stage 1:
Type: **Squeeze Blend**

From Depth (ft): 4418 To Depth (ft): 6786

Volume (sacks): 155 Volume (bbls): 45.8

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100% 50:50:0(POZ:G:GEL)+3% Gel+20% Silica Flour+0.4% CFL-3+0.4% CFR-2+0.1% SMS+0.25#/sx Cello Flake	13.5	1.66	7.83

SUMMARY

			Stage 1	Stage 2
Preflushes:	5 bbls of	Fresh Water	Calculated Displacement (bbl):	14.5	
	bbls of		Actual Displacement (bbl):	11.5	
	bbls of				

TotalPreflush/Spacer Volume (bbl): 5
Total Slurry Volume (bbl): 45.8
Total Fluid Pumped: 62.3
Returns to Surface: Mud

Plug Bump (Y/N): N/A Bump Pressure (psi): N/A
Lost Returns (Y/N): N (if Y, when)

Job Notes (fluids pumped / procedures / tools / etc.):

Fill Lines, Pressure Test to 2500 PSI, 5 bbls of fresh water, 45.8 bbls of cement @ 13.5 PPG, Displace 11.5 bbls. Company rep wanted 3 bbls left on top of retainer. Actual displacement was 14.5 bbls. CICR was set at 6786'. Perf holes at 6750' and 7200'.

Thank You For Using
O - TEX Pumping

Customer Representative Signature:

O-Tex Pumping, LLC — CEMENTING JOB LOG

Project Number	Job Date
FL2131	7/31/2017

O-Tex Location	Customer	State	County
Brighton, Colorado 303-857-7948	Anadarko Petroleum Corporation	Colorado	Weld

Lease Name	Well No.	O-Tex Field Supervisor	Customer Representative	Phone
Mathisen James H B 1		Douglass, Brian	Socorro Olivas	720-606-1842

Job Type	Man Hours	API Number
Nio Squeeze	10	05-123-07760

USE THIS FORM TO NOTE ANY ISSUES ENCOUNTERED WITH THE PERFORMANCE OF THIS JOB.
THIS MAY INCLUDE TIME AT THE SHOP, ON THE ROAD OR DELAYS WITH DRILLING CONTRACTOR.

DATE	TIME	VOLUME	RATE	PRESS CSG	PRESS Tbg.	JOB PROCEDURES
7/31/2017	14:30					Arrive on Location
7/31/2017	14:35					Tailgate meeting
7/31/2017	14:40					Spot Trucks
7/31/2017	14:45					Rig In
7/31/2017	15:00					Safety Meeting
7/31/2017	15:14	1 bbl	1.00		45	Fill Lines
7/31/2017	15:16				2500	Pressure Test
7/31/2017	15:18	5 bbl	2.00		50	Fresh water preflush
7/31/2017	15:25	45.8 bbl	2.00		100	Pump Cement @ 13.5 PPG
7/31/2017	15:51	11.5 bbl	2.00		60	Displace with fresh water
7/31/2017	15:59				10	Shut Down
7/31/2017	16:00				0	Rig sting Out
7/31/2017	16:05					Wash Pump
7/31/2017	16:29					Rig Out
7/31/2017	16:45					Discuss AAR
7/31/2017	17:00					Leave Location

JOB CALCULATIONS

CICR @6786ft
Top perf holes @6750ft
Bottom perf holes @7200ft

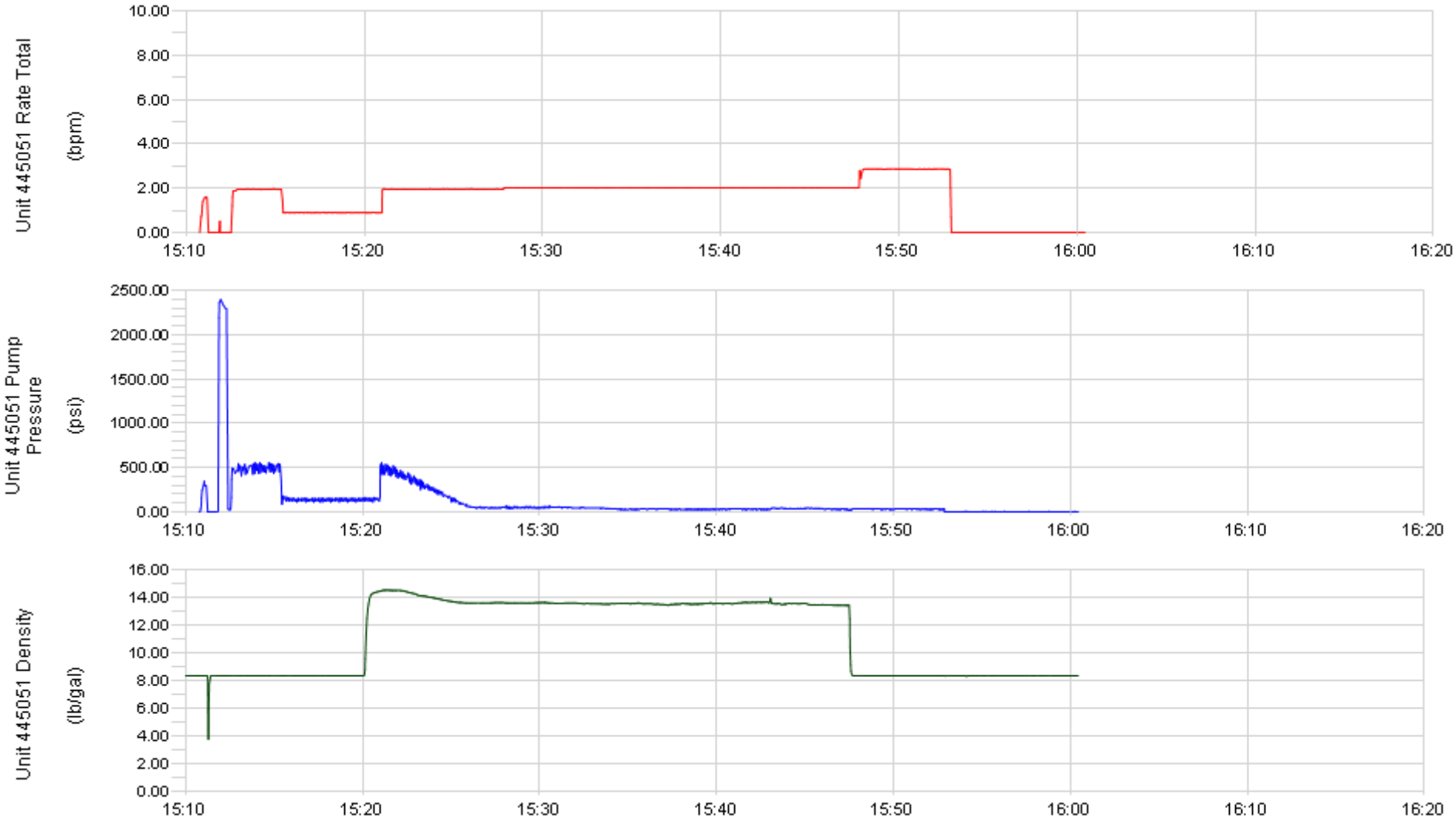
CASING DATA

ANNULAR DATA

PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW

O-Tex Pumping, LLC

Client	Anadarko Petroleum Corp	Client Rep	Socorro Olivas	Supervisor	Brian Douglass
Ticket No.	2131	Well Name	Mathisen James H B 1	Unit No.	445051
Location	SW SW Sec12-T1N-R67W	Job Type	Retainer Squeeze	Service District	Brighton, CO
Comments	See job log for details			Job Date	07/31/2017



O-Tex Pumping, LLC — Job Summary

Ticket Number		Ticket Date
TN#	FL2134	8/1/2017

COUNTY	COMPANY	API Number
Weld	Anadarko Petroleum Corporation	05-123-07760
WELL NAME	**RIG**	**JOB TYPE**
Mathisen James H B 1	Brigade #4	Sussex Squeeze
SURFACE WELL LOCATION	**O-TEX Field Supervisor**	**CUSTOMER REP**
SW SW 12 T 1N R 67W	Svoboda, Milo	Socorro Olivas

EMPLOYEES

McFarland, James		
Clark, John		
	Field, Tony	

WELL PROFILE

Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	0
Bottom Hole Circulating Temperature (°F):	1500	Well Type:	Oil

Open Hole

	Size (in)	TMD From (ft)		TMD to (ft)		TVD From (Ft)	TVD to (Ft)
1							
2							

Casing/Tubing/Drill Pipe

Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Tubing	2.375	4.7		0	4332		
Production	4.5	11.6		0	4580		

CEMENT DATA

Stage 1:
Type: **Squeeze**

From Depth (ft): 4138 To Depth (ft): 4580

Volume (sacks): 140 Volume (bbls): 29

Cement & Additives:	Density (ppg)	Yield (ft^3/sk)	Water Req.
100% Class G+0.5% CFR-2+0.2% WG-4P+0.5% SCA-7+0.25#/sx Cello Flake	15.8	1.16	4.98

SUMMARY

				Stage 1	Stage 2
Preflushes:	5 bbls of	Fresh Water	Calculated Displacement (bbl):	16.5	
	10 bbls of	SMS	Actual Displacement (bbl):	13.5	
	5 bbls of	Fresh Water			

TotalPreflush/Spacer Volume (bbl): 20
Total Slurry Volume (bbl): 29
Total Fluid Pumped: 62.5
Returns to Surface: bbls

Plug Bump (Y/N): N/A Bump Pressure (psi):
Lost Returns (Y/N): N (if Y, when)

Job Notes (fluids pumped / procedures / tools / etc.): CICR set @ 4332', holes @ 4580' & 4300', left 3 bbls of slurry on top of CICR. Pumped as per customer request.

Customer Representative Signature:

Thank You For Using
O - TEX Pumping

CEMENTING JOB LOG

O-Tex Pumping, LLC

Project Number	Job Date
FL2134	8/1/2017

O-Tex Location	Customer	State	County
Brighton, Colorado 303-857-7948	Anadarko Petroleum Corporation	Colorado	Weld

Lease Name	Well No.	O-Tex Field Supervisor	Customer Representative	Phone
Mathisen James H B 1		Svoboda, Milo	Socorro Olivas	720-606-1842

Job Type	Man Hours	API Number
Sussex Squeeze	16	05-123-07760

USE THIS FORM TO NOTE ANY ISSUES ENCOUNTERED WITH THE PERFORMANCE OF THIS JOB.
THIS MAY INCLUDE TIME AT THE SHOP, ON THE ROAD OR DELAYS WITH DRILLING CONTRACTOR.

DATE	TIME	VOLUME	RATE	PRESS CSG	PRESS Tbg.	JOB PROCEDURES
8/1/2017	10:30					Arrive on location
	10:40					Tailgate meeting
	11:45					Rig in
	12:40					JSA with OSR, rig crew, hater hauler
	12:54	1 bbl	1.50		250	Fill line
	12:56				3200	Pressure test
	12:58	5 bbl	2.50		600	Spacer - fresh
	13:00	10 bbl	2.50		800	SMS
	13:04	5 bbl	2.50		800	Spacer - fresh
	13:07	29 bbl	2.50		500	Mix slurry @ 15.8 ppg
	13:19	13.5 bbl	2.50		300	Displace fluid
	13:24				0	Shut down - sting out
	13:25				0	Release pressure
	13:35					Wash up pump
	13:55					Rig out
	14:10					Job complete
	14:20					Pre-departure meeting
	14:30					Leave location

JOB CALCULATIONS

CASING DATA

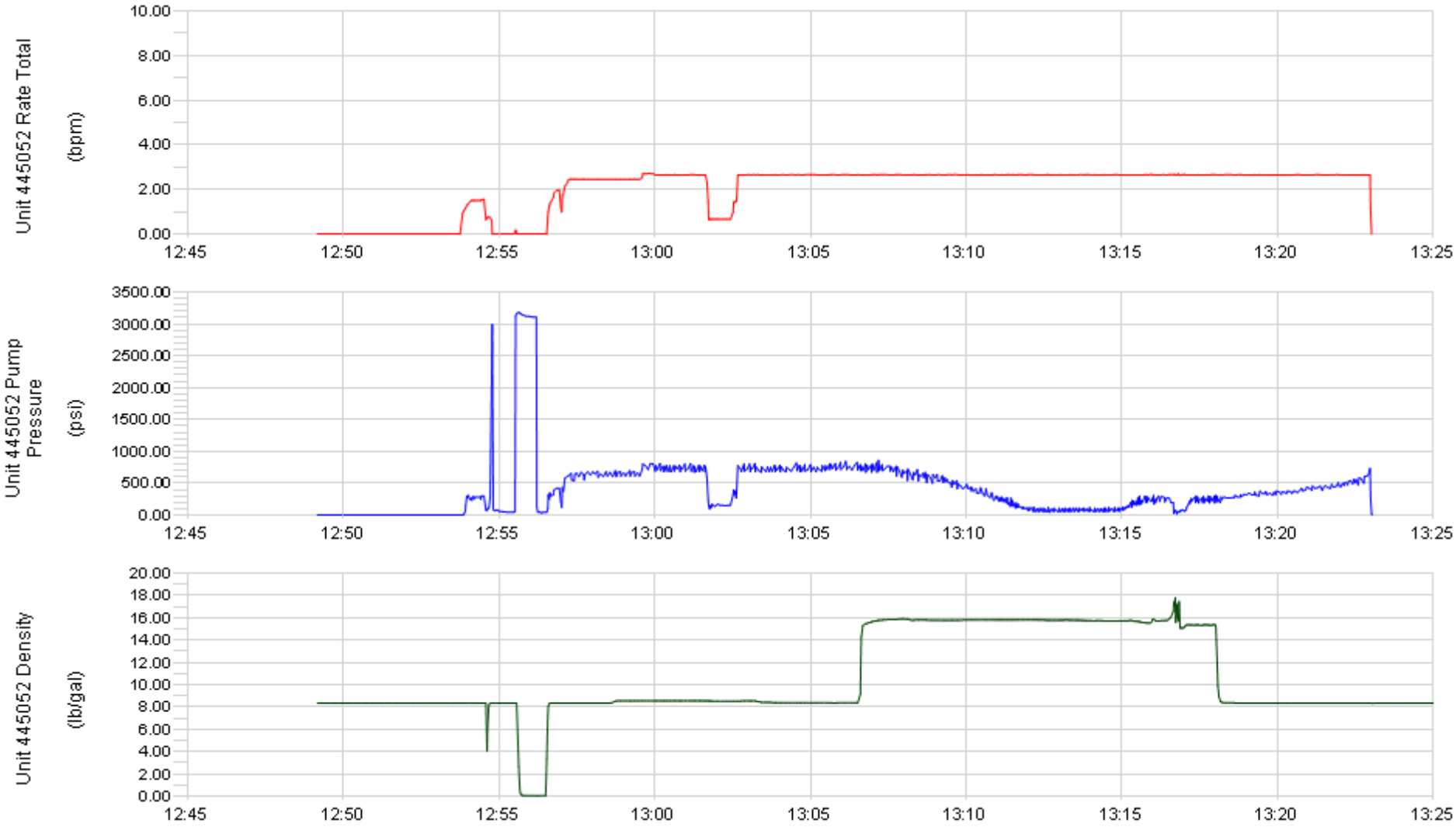
ANNULAR DATA

PLEASE NOTE ANY CONTRACTOR ISSUES OR COMMENTS BELOW

Pumped as per customer request. Job went good no issue to report.

O-Tex Pumping, LLC

Client	Anadarko	Client Rep	Socorro Olivas	Supervisor	Milo Svoboda
Ticket No.	2134	Well Name	Mathisen James H B 1	Unit No.	445052
Location	SW SW 12 1N 67W	Job Type	Retainer Squeeze	Service District	Brighton, CO
Comments	Pump as per customer request			Job Date	08/01/2017

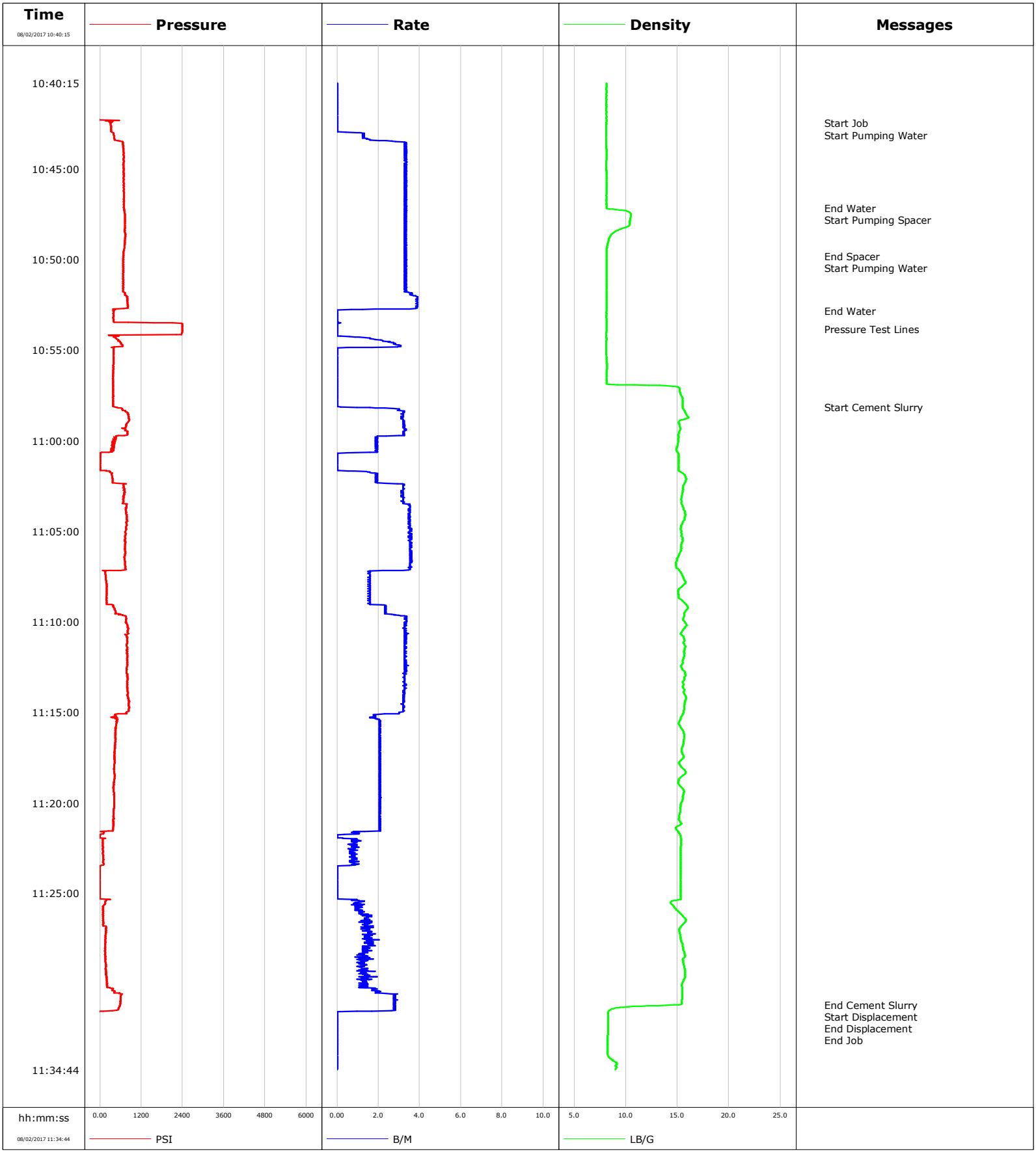


Schlumberger

Cementing Job Report

CemCAT v1.7

Well	James H Mathisen Unit B-1	**Client**	Anadarko
Field	DJ	**SIR No.**	DA6T-01362
Engineer	Robert Pippin	**Job Type**	Foxhill Sqz
Country	United States	**Job Date**	08-02-2017



Schlumberger Cementing Service Report

Customer	Job Number
Anadarko	DA6T-01362

Well	Location (legal)	Schlumberger Location	Job Start
James H Mathisen Unit B-1		Cheyenne	Aug/02/2017

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
DJ		deg	in	1508.0 ft	1508.0 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Weld	Colorado	psi	degF	degF	lb/gal
Well Master	**API/UWI**				

Rig Name	Drilled For	Service Via
Concord 4	Gas	Land

Offshore Zone	Well Class	Well Type
	Old	Workover

Drilling Fluid Type	Max. Density	Plastic Viscosity
	lb/gal	cP

Service Line	Job Type
Cementing	Foxhill Sqz

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
psi	psi	2 3/8" 4.7# T/S

Service Instructions

253 sks 1.50ft3/sk 6.04 gps 67.5 bbls @ 15.8 ppg

EST TOC 637 ft

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
1508.0	4.5	11.6	N80	Butt
0.0	0.0	0.0		

Tubing/Drill Pipe

T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
T	830.0	2.4	4.7	j55	8rd
	0.0	0.0	0.0		

Perforations/Open Hole

Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval
ft	ft			ft
ft	ft			Diameter
ft	ft			in

Treat Down	Displacement	Packer Type	Packer Depth
Tubing	0.2 bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
3.2 bbl	bbl	bbl	bbl

Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement
X	X

Lift Pressure	psi

Pipe Rotated	Pipe Reciprocated
☐	☐

No. Centralizers	Top Plugs	Bottom Plugs

Cement Head Type

Job Scheduled For	Arrived on Location	Leave Location
Aug/02/2017	Aug/02/2017	Aug/02/2017

Casing Tools		Squeeze Job	
Shoe Type		Squeeze Type	
Shoe Depth	ft	Tool Type	
Stage Tool Type		Tool Depth	ft
Stage Tool Depth	ft	Tail Pipe Size	in
Collar Type		Tail Pipe Depth	ft
Collar Depth	ft	Sqz. Total Vol.	bbl

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
08/02/2017	10:40:15	-97	0.0	8.12	0.0	
08/02/2017	10:40:45	-97	0.0	8.13	0.0	
08/02/2017	10:41:15	-97	0.0	8.11	0.0	
08/02/2017	10:41:45	-97	0.0	8.09	0.0	
08/02/2017	10:42:15	-28	0.0	8.12	0.0	
08/02/2017	10:42:28	324	0.0	8.09	0.0	Start Job
08/02/2017	10:42:45	329	0.0	8.11	0.0	
08/02/2017	10:42:49	329	0.0	8.11	0.0	Start Pumping Water
08/02/2017	10:43:45	681	3.3	8.11	1.6	
08/02/2017	10:44:15	677	3.4	8.12	3.3	
08/02/2017	10:44:45	690	3.3	8.11	4.9	
08/02/2017	10:45:15	690	3.3	8.12	6.6	
08/02/2017	10:45:45	686	3.3	8.12	8.2	
08/02/2017	10:46:15	686	3.3	8.12	9.9	
08/02/2017	10:46:45	690	3.4	8.12	11.5	
08/02/2017	10:47:09	686	3.4	8.12	12.8	End Water
08/02/2017	10:47:12	695	3.4	8.22	13.0	Start Pumping Spacer
08/02/2017	10:47:15	699	3.3	9.06	13.2	
08/02/2017	10:47:45	727	3.4	10.44	14.8	
08/02/2017	10:48:15	727	3.4	9.89	16.5	
08/02/2017	10:48:45	736	3.4	8.46	18.1	

Well	Field	Job Start	Customer	Job Number
James H Mathisen Unit B-1	DJ	Aug/02/2017	Anadarko	DA6T-01362

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
08/02/2017	10:49:45	681	3.4	8.12	21.4	
08/02/2017	10:49:48	677	3.3	8.12	21.6	End Spacer
08/02/2017	10:49:53	681	3.3	8.12	21.9	Start Pumping Water
08/02/2017	10:50:15	663	3.4	8.12	23.1	
08/02/2017	10:50:45	672	3.4	8.12	24.8	
08/02/2017	10:51:15	672	3.3	8.12	26.4	
08/02/2017	10:51:45	677	3.4	8.12	28.1	
08/02/2017	10:52:15	796	3.9	8.12	29.9	
08/02/2017	10:52:45	379	1.9	8.12	31.8	
08/02/2017	10:52:49	420	0.0	8.12	31.9	End Water
08/02/2017	10:53:15	374	0.0	8.12	31.9	
08/02/2017	10:53:45	2389	0.0	8.12	31.9	
08/02/2017	10:53:49	2389	0.0	8.12	31.9	Pressure Test Lines
08/02/2017	10:54:15	558	0.2	8.11	31.9	
08/02/2017	10:54:45	654	3.1	8.11	31.9	
08/02/2017	10:55:15	393	0.0	8.11	31.9	
08/02/2017	10:55:45	388	0.0	8.16	31.9	
08/02/2017	10:56:15	397	0.0	8.15	31.9	
08/02/2017	10:56:45	379	0.0	8.15	31.9	
08/02/2017	10:57:15	384	0.0	15.21	31.9	
08/02/2017	10:57:45	379	0.0	15.52	31.9	
08/02/2017	10:58:09	443	0.2	15.51	31.9	Start Cement Slurry
08/02/2017	10:58:15	640	3.0	15.57	32.1	
08/02/2017	10:58:45	823	3.2	16.07	33.7	
08/02/2017	10:59:15	750	3.2	15.23	35.3	
08/02/2017	10:59:45	461	2.4	15.10	36.9	
08/02/2017	11:00:15	361	1.9	15.03	37.8	
08/02/2017	11:00:45	13	0.0	15.11	38.7	
08/02/2017	11:01:15	8	0.0	15.12	38.7	
08/02/2017	11:01:45	278	1.6	15.37	38.7	
08/02/2017	11:02:15	370	1.9	15.79	39.7	
08/02/2017	11:02:45	686	3.2	15.52	41.1	
08/02/2017	11:03:15	677	3.2	15.37	42.7	
08/02/2017	11:03:45	759	3.5	15.61	44.4	
08/02/2017	11:04:15	777	3.5	15.70	46.2	
08/02/2017	11:04:45	754	3.5	15.34	47.9	
08/02/2017	11:05:15	741	3.5	15.37	49.7	
08/02/2017	11:05:45	732	3.5	15.38	51.5	
08/02/2017	11:06:15	732	3.6	15.21	53.3	
08/02/2017	11:06:45	732	3.5	14.84	55.0	
08/02/2017	11:07:15	159	1.6	15.30	56.7	
08/02/2017	11:07:45	182	1.6	15.71	57.5	
08/02/2017	11:08:15	196	1.6	15.10	58.3	
08/02/2017	11:08:45	182	1.6	15.27	59.0	
08/02/2017	11:09:15	420	2.3	16.02	60.0	
08/02/2017	11:09:45	754	3.4	15.63	61.3	
08/02/2017	11:10:15	805	3.3	15.85	62.9	
08/02/2017	11:10:45	768	3.3	15.44	64.6	
08/02/2017	11:11:15	777	3.3	15.67	66.2	
08/02/2017	11:11:45	768	3.3	15.68	67.9	
08/02/2017	11:12:15	800	3.4	15.54	69.5	
08/02/2017	11:12:45	764	3.3	15.72	71.2	
08/02/2017	11:13:15	796	3.3	15.62	72.8	
08/02/2017	11:13:45	809	3.3	15.68	74.4	

Well	Field	Job Start	Customer	Job Number
James H Mathisen Unit B-1	DJ	Aug/02/2017	Anadarko	DA6T-01362

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
08/02/2017	11:14:45	855	3.3	15.65	77.7	
08/02/2017	11:15:15	452	1.9	15.39	79.0	
08/02/2017	11:15:45	466	2.1	15.23	80.0	
08/02/2017	11:16:15	452	2.0	15.62	81.1	
08/02/2017	11:16:45	443	2.0	15.58	82.1	
08/02/2017	11:17:15	416	2.1	15.43	83.1	
08/02/2017	11:17:45	420	2.0	15.20	84.1	
08/02/2017	11:18:45	420	2.0	15.10	86.2	
08/02/2017	11:19:15	393	2.0	15.57	87.2	
08/02/2017	11:19:45	425	2.0	15.54	88.3	
08/02/2017	11:20:15	406	2.0	15.29	89.3	
08/02/2017	11:20:45	393	2.1	15.17	90.3	
08/02/2017	11:21:15	388	2.0	15.21	91.3	
08/02/2017	11:21:45	4	0.4	15.25	92.2	
08/02/2017	11:22:15	91	0.9	15.38	92.4	
08/02/2017	11:22:45	86	0.9	15.30	92.8	
08/02/2017	11:23:15	95	1.1	15.30	93.2	
08/02/2017	11:23:45	-5	0.0	15.30	93.4	
08/02/2017	11:24:15	-5	0.0	15.30	93.4	
08/02/2017	11:24:45	-5	0.0	15.30	93.4	
08/02/2017	11:25:15	-10	0.0	15.30	93.4	
08/02/2017	11:25:45	86	0.9	14.69	93.8	
08/02/2017	11:26:15	95	1.2	15.52	94.4	
08/02/2017	11:26:45	95	1.5	15.49	95.1	
08/02/2017	11:27:15	168	1.9	15.24	95.9	
08/02/2017	11:27:45	155	1.3	15.46	96.6	
08/02/2017	11:28:15	146	1.3	15.65	97.3	
08/02/2017	11:28:45	155	1.4	15.54	98.0	
08/02/2017	11:29:15	178	1.2	15.73	98.6	
08/02/2017	11:29:45	196	1.0	15.63	99.3	
08/02/2017	11:30:15	388	1.8	15.43	99.9	
08/02/2017	11:30:45	608	2.7	15.43	101.1	
08/02/2017	11:31:09	594	2.7	15.18	102.1	End Cement Slurry
08/02/2017	11:31:14	580	2.8	11.42	102.4	Start Displacement
08/02/2017	11:31:15	567	2.7	10.77	102.4	
08/02/2017	11:31:45	-42	0.0	8.28	103.1	
08/02/2017	11:32:15	-47	0.0	8.27	103.1	
08/02/2017	11:32:38	-111	0.0	8.27	103.1	End Job
08/02/2017	11:32:45	-125	0.0	8.27	103.1	
08/02/2017	11:33:15	-106	0.0	8.25	103.1	
08/02/2017	11:33:45	-115	0.0	8.24	103.1	

Well	Field	Job Start	Customer	Job Number
James H Mathisen Unit B-1	DJ	Aug/02/2017	Anadarko	DA6T-01362

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2.6			3.9	67.4	0.0	30.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
2393	-106	531				bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume
%	67.5 bbl	0.2 bbl	50 degF	☐	bbl
				Washed Thru Perfs ☐	To ft

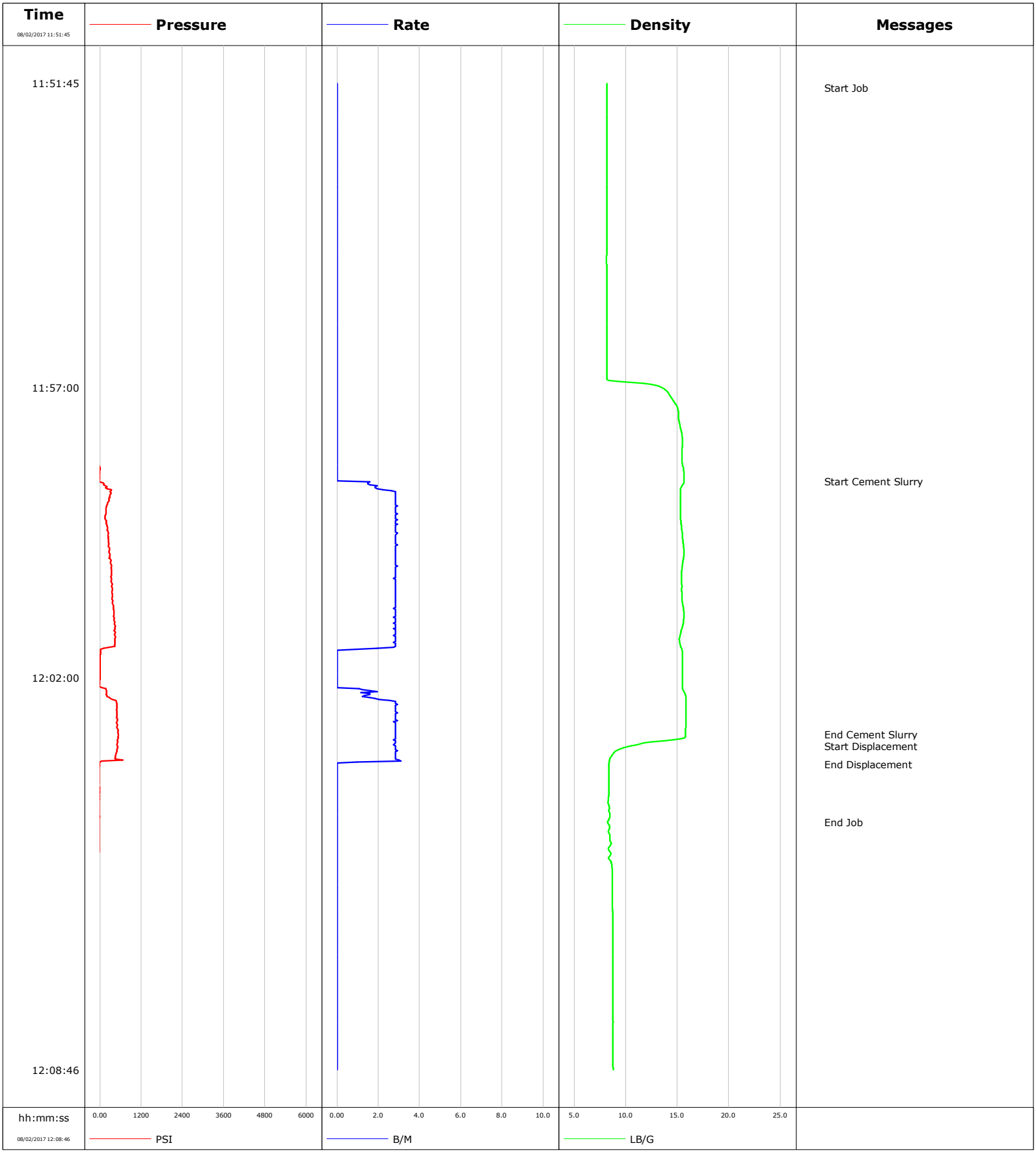
Customer or Authorized Representative	Schlumberger Supervisor	Circulation Lost	Job Completed
Socorro Olivas	Robert Pippin	-	- ☒

Schlumberger

Cementing Job Report

CemCAT v1.7

Well	James H Mathisen Unit B1	**Client**	Anadarko
Field	DJ	**SIR No.**	DA6T-01363
Engineer	Robert Pippin	**Job Type**	Foxhill Plug
Country	United States	**Job Date**	08-02-2017



Schlumberger Cementing Service Report

Customer	Job Number
Anadarko	DA6T-01363

Well	Location (legal)	Schlumberger Location	Job Start
James H Mathisen Unit B1		Cheyenne	Aug/02/2017

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
DJ		deg	in	680.0 ft	680.0 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Weld	Colorado	psi	degF	degF	lb/gal

Well Master	API/UWI

Rig Name	Drilled For	Service Via
Concord 4	Gas	Land

Offshore Zone	Well Class	Well Type
	Old	Workover

Drilling Fluid Type	Max. Density	Plastic Viscosity
	lb/gal	cP

Service Line	Job Type
Cementing	Foxhill Plug

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
psi	psi	2 3/8" 4.7# T/S

Service Instructions

38 sks 1.52ft3/sk 6.39 gps 10.3 bbls @ 15.8 ppg

EST TOC 100 Ft

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
680.0	4.5	11.6	N80	8rd
0.0	0.0	0.0		

Tubing/Drill Pipe

T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
T	680.0	2.4	4.7	J55	8rd
	0.0	0.0	0.0		

Perforations/Open Hole

Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval
ft	ft			ft
ft	ft			Diameter
ft	ft			in

Treat Down	Displacement	Packer Type	Packer Depth
Tubing	0.5 bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
2.6 bbl	bbl	bbl	bbl

Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement
X	X

Lift Pressure	psi

Pipe Rotated	Pipe Reciprocated
☐	☐

No. Centralizers	Top Plugs	Bottom Plugs

Cement Head Type

Job Scheduled For	Arrived on Location	Leave Location
Aug/02/2017	Aug/02/2017	Aug/02/2017

Casing Tools		Squeeze Job	
Shoe Type		Squeeze Type	
Shoe Depth	ft	Tool Type	
Stage Tool Type		Tool Depth	ft
Stage Tool Depth	ft	Tail Pipe Size	in
Collar Type		Tail Pipe Depth	ft
Collar Depth	ft	Sqz. Total Vol.	bbl

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
08/02/2017	11:51:45	-125	0.0	8.20	0.0	
08/02/2017	11:51:50	-115	0.0	8.20	0.0	Start Job
08/02/2017	11:52:15	-111	0.0	8.19	0.0	
08/02/2017	11:52:45	-111	0.0	8.20	0.0	
08/02/2017	11:53:15	-111	0.0	8.20	0.0	
08/02/2017	11:53:45	-111	0.0	8.19	0.0	
08/02/2017	11:54:15	-106	0.0	8.19	0.0	
08/02/2017	11:54:45	-111	0.0	8.14	0.0	
08/02/2017	11:55:15	-111	0.0	8.17	0.0	
08/02/2017	11:55:45	-111	0.0	8.18	0.0	
08/02/2017	11:56:15	-111	0.0	8.18	0.0	
08/02/2017	11:56:45	-106	0.0	8.18	0.0	
08/02/2017	11:57:15	-106	0.0	14.68	0.0	
08/02/2017	11:57:45	-106	0.0	15.37	0.0	
08/02/2017	11:58:15	-111	0.0	15.45	0.0	
08/02/2017	11:58:37	-15	0.0	15.63	0.0	Start Cement Slurry
08/02/2017	11:58:45	214	1.9	15.33	0.2	
08/02/2017	11:59:15	155	2.8	15.33	1.6	
08/02/2017	11:59:45	255	2.8	15.61	3.0	
08/02/2017	12:00:15	338	2.8	15.42	4.5	
08/02/2017	12:01:15	434	2.8	15.31	7.3	

Well	Field	Job Start	Customer	Job Number
James H Mathisen Unit B1	DJ	Aug/02/2017	Anadarko	DA6T-01363

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
08/02/2017	12:02:15	196	1.9	15.66	8.1	
08/02/2017	12:02:45	503	2.9	15.82	9.3	
08/02/2017	12:02:59	544	2.8	15.79	10.0	End Cement Slurry
08/02/2017	12:03:01	539	2.8	15.78	10.1	Start Displacement
08/02/2017	12:03:15	498	2.8	9.30	10.7	
08/02/2017	12:03:30	-15	0.0	8.38	11.4	End Displacement
08/02/2017	12:03:45	-15	0.0	8.38	11.4	
08/02/2017	12:04:15	-15	0.0	8.41	11.4	
08/02/2017	12:04:30	-19	0.0	8.24	11.4	End Job
08/02/2017	12:04:45	-19	0.0	8.47	11.4	
08/02/2017	12:05:15	-47	0.0	8.66	11.4	
08/02/2017	12:05:45	-60	0.0	8.72	11.4	
08/02/2017	12:06:15	-106	0.0	8.73	11.4	
08/02/2017	12:06:45	-106	0.0	8.74	11.4	
08/02/2017	12:07:15	-111	0.0	8.75	11.4	
08/02/2017	12:07:45	-111	0.0	8.76	11.4	
08/02/2017	12:08:15	-106	0.0	8.77	11.4	

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2.7			3.1	10.2	0.0	0.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
672	-129	310				bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp		
%	10.2 bbl	0.5 bbl	50 degF	Cement Circulated to Surface? ☐	Volume bbl
				Washed Thru Perfs ☐	To ft

Customer or Authorized Representative	Schlumberger Supervisor		
Socorro Olivas	Robert Pippin	Circulation Lost ☐	Job Completed ☒
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