

# CEMENT JOB REPORT



<b>CUSTOMER</b> MARATHON OIL (HOUSTON)		<b>DATE</b> 16-JUL-09		<b>F.R. #</b> 1001470527		<b>SERV. SUPV.</b> JOSE E CARCAMO	
<b>LEASE &amp; WELL NAME</b> 596-20A-18		<b>LOCATION</b>		<b>COUNTY-PARISH-BLOCK</b> Garfield Colorado			
<b>DISTRICT</b> Grand Junction		<b>DRILLING CONTRACTOR RIG #</b>		<b>TYPE OF JOB</b> Surface			

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES					
Cement Plug, Rubber, Top 9-5/8 in	Float Collar, Auto Fill, 9-5/8 - 8rd	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
	Guide Shoe, Cement Nose, 9-5/8 i								
<b>MATERIALS FURNISHED BY BJ</b>									
water		0	8.34	0	0	00:00	20		
type III+.05static free+1%CaCl2+8%bentonite+1fp-13		1,043	12.3	2.09	7.35	03:55	388	182.33	
type III+.05 static free+1%CaCl2+1 FP-13L		150	14.2	1.47	7.35		39.3	26.27	
Fresh Water			8.34				166.9		
<b>Available Mix Water</b> 2000 Bbl. <b>Available Displ. Fluid</b> 2000 Bbl.							<b>TOTAL</b>	614.2 208.60	

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
14.75	50	2338	9.625	36	CSG	2260	J-55	2281	2198	0

LAST CASING				PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
20	52.73	CSG	120	no packer	0	0	0	9.625	8RND	WATER BASED MU	8.7

DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI		OP. MAX		MAX TBG PSI		MAX CSG PSI		MIX WATER	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	RATED	Operator	RATED	Operator	
166.9	BBLs	Fresh Water	8.34	486	0	0	0	0	0	0	3520	2618	frac tank		

<b>Circulation Prior to Job</b>											
Circulated Well: RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 3			Circulation Rate: 9 BPM		
Mud Density In: 8.7 LBS/GAL Mud Density Out: 8.7 LBS/GAL						PV & YP Mud In: 9			PV & YP Mud Out: 9		
Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> Units: 0						Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>					

<b>Displacement And Mud Removal</b>											
Displaced By: RIG <input type="checkbox"/> BJ <input checked="" type="checkbox"/>						Amount Bled Back After Job: 1 BBLs					
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FULL						Method Used to Verify Returns: visual					
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO						Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE											
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 25			Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID		
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD											

<b>Plugs</b>											
Number of Attempts by BJ: Competition:						Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:					
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Top of Plug: FT			Bottom of Plug: FT		

<b>Squeezes (Update Original Treatment Report for Primary Job)</b>											
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/>		UNPLANNED <input type="checkbox"/>			
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied:		Fluid Weight: LBS/GAL					

<b>Casing Test (Update Original Treatment Report for Primary Job)</b>											
Casing Test Pressure: PSI With LBS/GAL Mud						Time Held: Hours Minutes					

<b>Shoe Test (Update Original Treatment Report for Primary Job)</b>											
Depth Drilled out of Shoe: FT						Target EMW: LBS/GAL			Actual EMW: LBS/GAL		
Number of Times Tests Conducted:						Mud Weight When Test was Conducted: LBS/GAL					

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE**

# CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	3153 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
03:00						pre convoy meeting	
03:15						left yard	
06:00						arrive on location	
10:00						pre job safety meeting	
10:44						start job	
10:47	3153				WATER	psi test	
10:50	0		2.8	20	H2O	pump spacer ahead	
10:55	0		2.8	6	CEMENT	pump lead cement	
11:00	274		5.2	25	CEMENT	pump lead cement	
11:04	270		5.2	50	CEMENT	pump lead cement	
11:14	278		5.2	100	CEMENT	pump lead cement	
11:24	270		5.2	150	CEMENT	pump lead cement	
11:34	283		5.2	200	CEMENT	pump lead cement	
11:44	270		5.2	250	CEMENT	pump lead cement	
11:52	257		5.2	300	CEMENT	pump lead cement	
12:01	253		5.2	350	CEMENT	pump lead cement	
12:07	0		2.8	385	CEMENT	pump lead cement	
12:07	34		2.8	5	CEMENT	pump tail cement	
12:13	29		2.8	18	CEMENT	pump tail cement	
12:22	30		2.8	40	CEMENT	pump tail cement	
12:23				1		shut down	
12:28						drop plug	
12:34	34			2	WATER	displacement	
12:39	90		5.2	20	WATER	displacement	
12:43	70		5.2	40	WATER	displacement	
12:47	77		5.2	60	WATER	displacement	
12:53	86		5.2	80	WATER	displacement	
12:56	92		5.2	100	WATER	displacement	
12:59	97		5.2	120	WATER	pump displacement	
13:02	110		5.2	140	WATER	diplacement	
13:08	0		2.5	160	WATER	slow rate on displacement	
13:09	1017		2.5	166.9	WATER	bump plug	
13:15	1039					check floats / floats held	
13:23	502		2		WATER	pump sugar water through parasite string	
13:35						end job	
						no returns through out the job .	
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	1017	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	0	614	0	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	

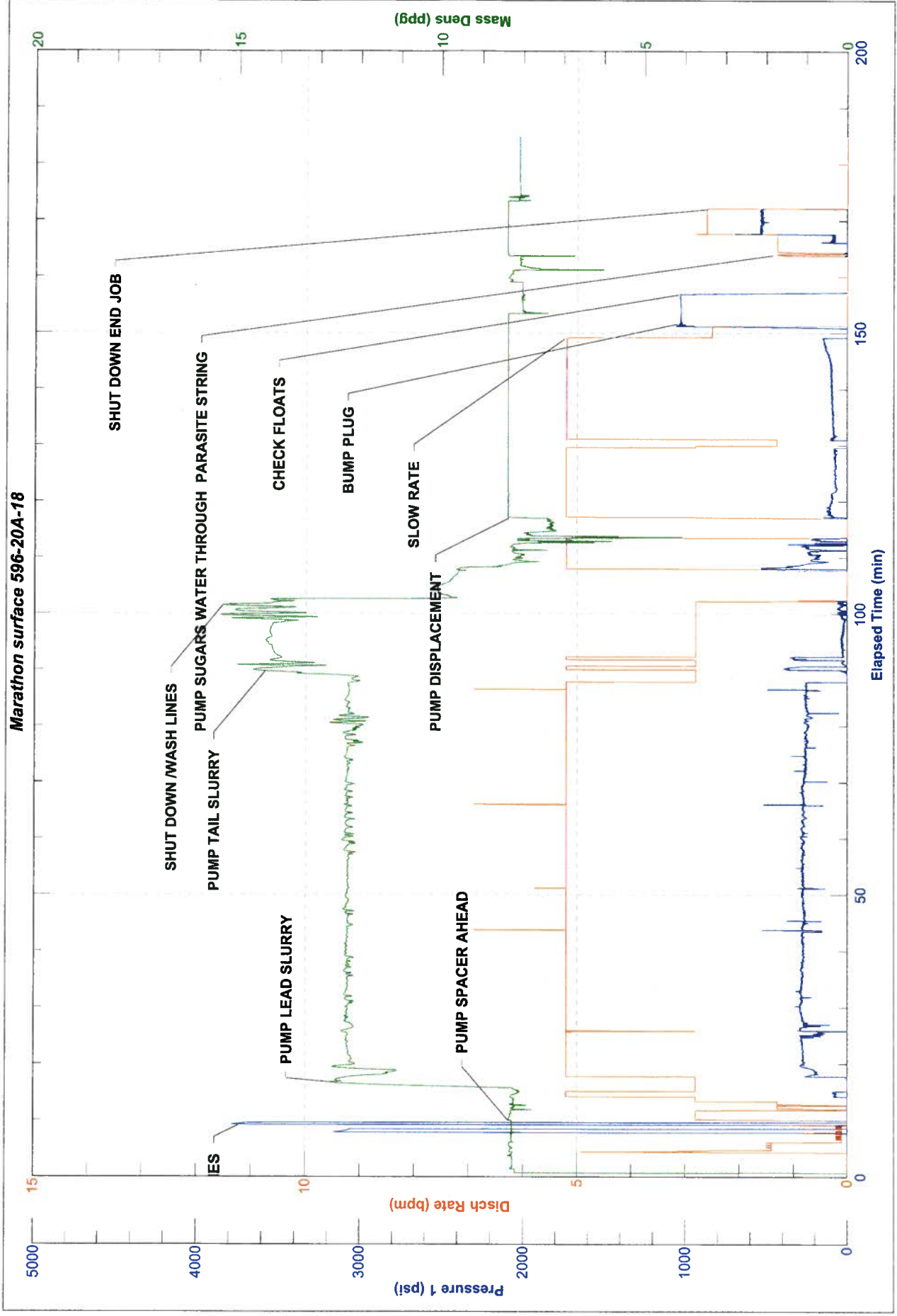


BJ Services JobMaster Program Version 3.20

Job Number: 1001470527

Customer: Marathon Oil Co

Well Name: 596-20A-18





# CEMENT JOB REPORT



<b>CUSTOMER</b> Marathon Oil Company		<b>DATE</b> 16-JUL-09	<b>F.R. #</b> 519010110		<b>SERV. SUPV.</b> JOSE E CARCAMO			
<b>LEASE &amp; WELL NAME</b> 596-20A-18		<b>LOCATION</b>			<b>COUNTY-PARISH-BLOCK</b> Garfield Colorado			
<b>DISTRICT</b> Grand Junction		<b>DRILLING CONTRACTOR RIG #</b> H & P 324			<b>TYPE OF JOB</b> Misc Pump - Misc			

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE	PHYSICAL SLURRY PROPERTIES						
9-5/8" Bot Cem Plug, Nitrile cvr, Phe		Float Shoe 9-5/8 - 8rd	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
MATERIALS FURNISHED BY BJ									
water				8.34				12	
type III+10%A-10+2%CaCl <sub>2</sub> +0.04lbs/sk static free			500	14.2	1.64	7.35		146	87.47
WATER				8.34				12	
Available Mix Water _____ Bbl. Available Displ. Fluid _____ Bbl.			<b>TOTAL</b> 170 87.47						

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
14.75		2338	9.625	36	CSG	2381	J-55	2281	2198	

LAST CASING				PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
20	52.73	CSG	140					9.625	8 RD	WATER BASED MU	8.7

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	
2	BBLs	WATER	8.34	486	0	0	0	0	2320	2000	FRAC TANKS

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE**

PRESSURE/RATE DETAIL						EXPLANATION		
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input type="checkbox"/>		
	PIPE	ANNULUS				TEST LINES 3159 PSI		
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		
17:54						START 1ST TOP OUT		
07:55	0		1.3	2	WATER	PUMP SPACER AHEAD		
18:00	0		1.3	7	CEMENT	PUMP CEMENT WITHOUT GRAVEL		
18:09	0		1.3	44	CEMENT	PUMP CEMENT WITH GRAVEL		
18:34	0		1.3	7	CEMENT	PUMP CEMENT WITHOUT GRVAEL		
18:40	0		1.3	2	WATER	DISPLACE		
18:45						END JOB		
21:09						START 2ND TOP OUT		
21:10	0		1.3	2	WATER	PUMP SPACER AHEAD		
21:12	0		1.3	7	CEMENT	PUMP CEMENT WITHOUT GRAVEL		
21:16	0		1.3	44	CEMENT	PUMP CEMENT WITH GRAVEL		
21:49	0		1.3	7	CEMENT	PUMP CEMENT WITHOUT GRAVEL		
21:55	0		1.3	2	WATER	DISPLACE		
						END JOB		
00:37						START 3RD TOP OUT		
00:38	0		1.3	2	WATER	PUMP SPACER AHEAD		
00:40	0		1.3	7	CEMENT	PUMP CEMENT WITHOUT GRAVEL		
00:45	0		1.3	14	CEMENT	PUMP CEMENT WITH GRAVEL		
00:59	0		1.3	3	CEMENT	PUMP CEMENT WITHOUT GRAVEL		
01:03	0		1.3	2	CEMENT	DISPLACE		
01:11						END JOB		
05:01						START 4TH TOP OUT		
05:03	0		1.3	8.5	CEMENT	PUMP CEMENT		
05:18						SHUT DOWN / END JOB		
05:20						WASH PUMP TRUCK AND LINES		

# CEMENT JOB REPORT



PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	3159 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
05:50						POST JOB SAFETY MEETING	
05:59						START RIG DOWN	
06:45						PRE CONVOY SAFETY MEETING	
06:50						DEPART LOCATION	
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1017	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	2	169	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

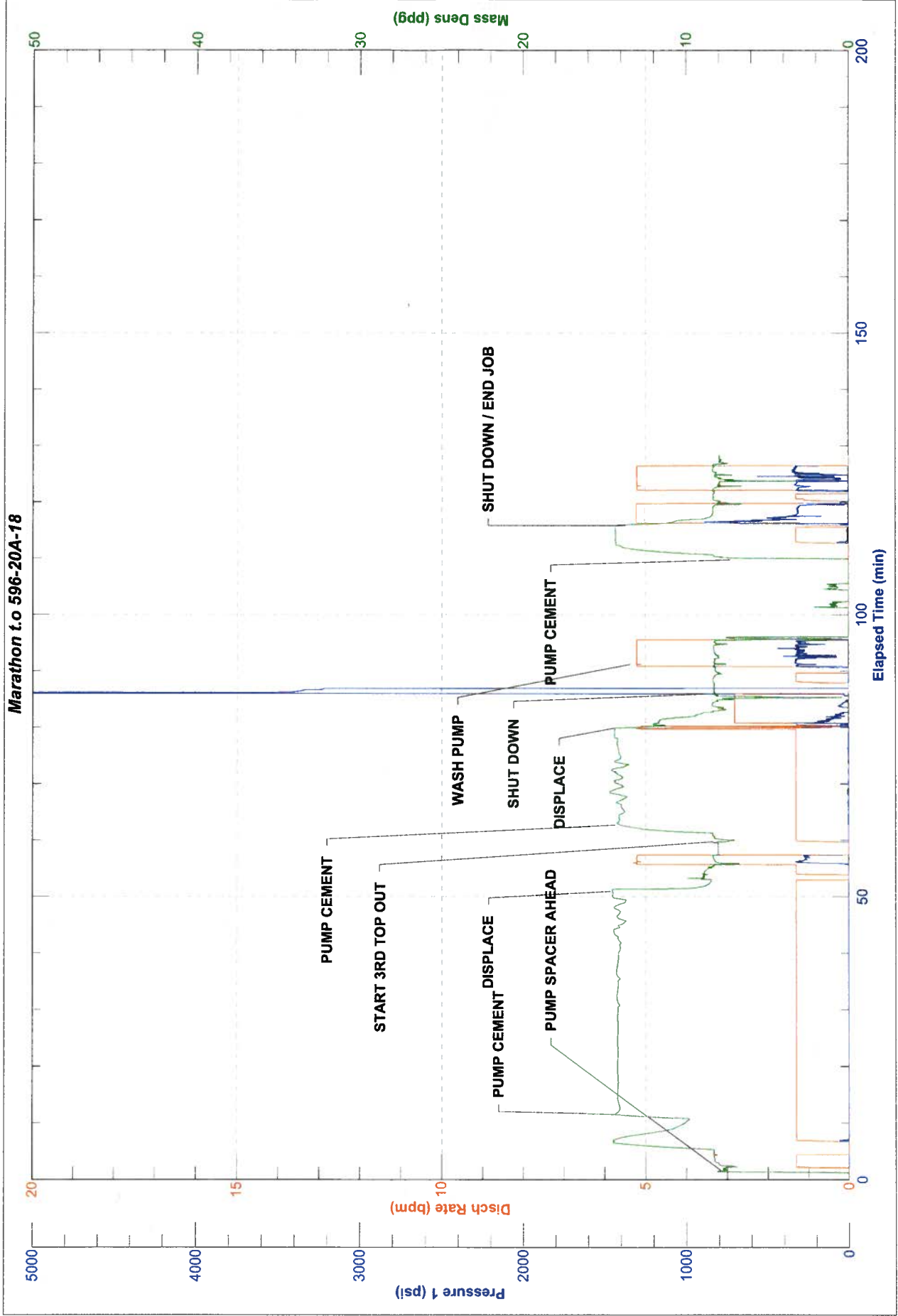


BJ Services JobMaster Program Version 3.20

Job Number: 1001470527

Customer: Marathon Oil Co

Well Name: 596-20A-18





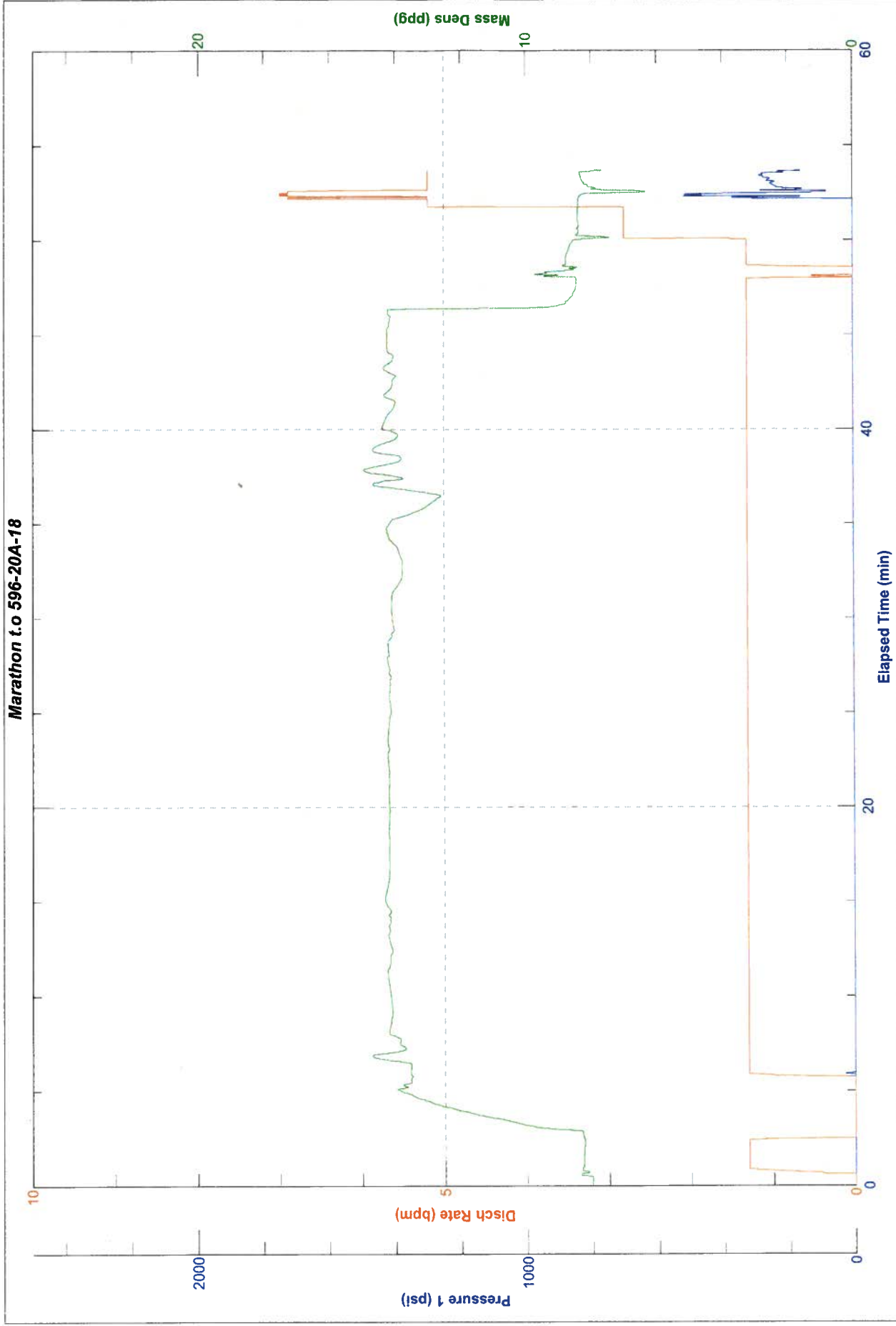
BJ Services JobMaster Program Version 3.20

Job Number: 1001470527

Customer: Marathon Oil Co

Well Name: 596-20A-18

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# SUPPLEMENTAL CEMENT JOB REPORT

Field Receipt # 1001475312

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<b>CUSTOMER</b> MARATHON OIL (HOUSTON)			<b>DATE</b> 27-JUL-09		<b>F.R. #</b> 1001475312		<b>SERV. SUPV.</b> JOSE E CARCAMO	
<b>LEASE &amp; WELL NAME - OCSG</b> 596-20A #18 - API 05045177020000			<b>LOCATION</b> Grand Junction			<b>COUNTY-PARISH-BLOCK</b> Garfield Colorado		
<b>DISTRICT</b> Grand Junction			<b>DRILLING CONTRACTOR RIG #</b> H&P 324			<b>TYPE OF JOB</b> Long String		

PRESSURE/RATE DETAIL						EXPLANATION
TIME HR:MIN	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	
	PIPE	ANNULUS				
16:39						pre convoy safety meeting
16:50						leave yard
19:00						arrive on location
19:10						location assessment
19:20						spot equipment
19:50						pre rig up safety meeting
20:10						start rig up
21:45						cab up
06:00						pre job safety meeting
06:54						start job
06:57	3900					pressure test lines
07:01	210		4	20	SURFACTA	pump surfactant spacer
07:07	260		4	30	MUD CLEA	pump mud clean spacer
07:15	431		5	20	SURFACTA	pump surfactant spacer
07:20	760		5	10	CEMENT	pump cement slurry
07:31	535		5	50	CEMENT	pump cement slurry
07:41	550		5	100	CEMENT	pump cement slurry
07:53	211		2.5	150	CEMENT	pump cement slurry
08:03	555		5	200	CEMENT	pump cement slurry
08:12	520		5	250	CEMENT	pump cement slurry
08:21	480		5	300	CEMENT	pump cement slurry
08:31	504		5	350	CEMENT	pump cement slurry
08:43	450		5	407	CEMENT	pump cement slurry
08:45						shut down / wash lines
08:53						shut down / drop plug
08:57	50		5	10	WATER	pump displacement clay treat water
08:59	59		5	20	WATER	pump displacement
09:03	100		5	40	WATER	pump displacement clay treat water
09:07	85		5	60	WATER	pump displacement clay treat water
09:11	400		5	80	WATER	pump displacement clay treat water
09:15			5	100	WATER	pump displacement clay treat water
09:18	950		5	120	WATER	pump displacement clay treat water
09:21	1246		5	140	WATER	pump displacement clay treat water
09:25	1364		2	150	WATER	slow rate pump displacement clay treat water
09:27	990		2	160	WATER	pump displacement
09:30	1902		2	163	WATER	bump plug
09:38						check floats/ floats held
09:45						end job
09:50						no returns throughout the job
10:35						post job safety meeting
10:40						rig down safety meeting
11:20						start to rig down
11:45						pre convoy safety meeting
						depart location

<b>BUMPED PLUG</b>	<b>PSI TO BUMP PLUG</b>	<b>TEST FLOAT EQUIP.</b>	<b>BBL.CMT RETURNS/ REVERSED</b>	<b>TOTAL BBL PUMPED</b>	<b>PSI LEFT ON CSG</b>	<b>SPOT TOP OUT CEMENT</b>	<b>SERV. SUPV.</b>
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1900	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	635	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	





BJ Services JobMaster Program Version 3.20

Job Number: 1001475312

Customer: Marathon Oil Co

Well Name: 596-20A-18

