

CEMENT JOB REPORT



CUSTOMER Marathon Oil Gabon, Limited		DATE 24-JUL-11	F.R. # 1001838578	SERV. SUPV. RYAN SULLIVAN								
LEASE & WELL NAME CROW VALLEY 7-62-32 #1A - API 05123333520000		LOCATION 32-7N-62W		COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton		DRILLING CONTRACTOR RIG # H&P 321		TYPE OF JOB Intermediate								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES								
Cement Plug, Rubber, Top 9-5/8 in		Centralizer, with Pins, 9-5/8 in		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
		Float Collar, Auto Fill, 9-5/8 - 8rd										
MATERIALS FURNISHED BY BJ				—	—	—	—	—	—	—		
Premium Lite Cement + additives				1,150	12.5	1.93	10.17	05:10	395.3	279.11		
50:50:3 + 0.4% FL-52+0.1% SMS+20%S-8				365	13.5	1.74	8.04	04:59	113.1	69.72		
Fresh Water				0	8.34	0	0	00:00	518.6	—		
Sealbond Preflush				0	8.5	0	0	00:00	40	—		
Claytreat Water + Alpha-125				0	8.34	0	0	00:00	20	—		
Available Mix Water _____ Bbl.		Available Displ. Fluid _____ Bbl.		TOTAL				1067	348.84			
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE		
12.25	25	7284	9.625	40	CSG	6884	P-110	6886	6838		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.
13.38	54.5	CSG	766	No packer		0	0	0	9.625	8RD	WATER BASED MU	9.8
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		
518.6	BBLS	Fresh Water	8.34	1034	0	0	0	0	4979	3500	Rig	
Circulation Prior to Job												
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 2				Circulation Rate: 7 BPM				
Mud Density In: 9.8 LBS/GAL				Mud Density Out: 9.8 LBS/GAL				PV & YP Mud In: 15		PV & YP Mud Out: 15		
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				Units:				Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				
Displacement And Mud Removal												
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 3.4 BBLS								
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: Visually								
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES								
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE												
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 56				Type: <input checked="" 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												
Plugs												
Number of Attempts by BJ: 0				Competition: 0				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: 0 FT				Bottom of Plug: 0 FT				
Squeezes (Update Original Treatment Report for Primary Job)												
BLOCK SQUEEZE <input type="checkbox"/>				SHOE SQUEEZE <input type="checkbox"/>				TOP OF LINER SQUEEZE <input type="checkbox"/>				PLANNED <input type="checkbox"/> UNPLANNED <input checked="" 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: 0				Fluid Weight: 0 LBS/GAL
Casing Test (Update Original Treatment Report for Primary Job)												
Casing Test Pressure: 0 PSI				With 0 LBS/GAL Mud				Time Held: 00 Hours 00 Minutes				
Shoe Test (Update Original Treatment Report for Primary Job)												
Depth Drilled out of Shoe: 0 FT				Target EMW: 0 LBS/GAL				Actual EMW: 0 LBS/GAL				
Number of Times Tests Conducted: 0				Mud Weight When Test was Conducted: 0 LBS/GAL								

CEMENT JOB REPORT



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

Rig could not get casing to bottom, cemented @ 6884' per customer request.

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

None

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

None

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 checked="" type="checkbox"/>			
	PIPE	ANNULUS				TEST LINES 4979 PSI			
---	---	---	---	---	---	CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
19:15	0	0	0	0	N/A	Pre-job safety meeting			
21:28	90	0	2.2	2	WATER	Load lines for pressure test			
21:30	1015	0	0	0	WATER	Low pressure test			
21:38	4979	0	0	0	WATER	High pressure test			
21:43	274	0	6	20	CLAYCARI	Claycare water			
21:48	205	0	4.9	40	SEAL BON	Seal bond spacer			
21:58	378	0	6.3	392	CEMENT	Batch-up, weigh, & pump 1150 sx of PLC + 0.25 lbs/sk Cello Flake + 5 lbs/sk Kol Seal + 0.4% FL-52 + 3% Bentonite @ 12.5 ppg			
23:08	325	0	5.4	87	CEMENT	Mix, weigh, & pump 277 sx of (50:50) Poz:G + 0.25 lbs/sk Cello Flake + 5 lbs/sk Kol Seal+ 0.4% FL-52 + 3% Bentonite + 0.1% SM + 20% S-8 @ 13.5 ppg - Changed from 365 sx to 277 sx per customer request			
23:26	0	0	0	0	N/A	Release plug			
23:30	214	0	7.1	208	MUD	Displace			
00:03	332	0	6	122	MUD	Caught cement			
00:26	720	0	4.8	90	MUD	Rate change			
00:41	973	0	3.6	80	MUD	Rate change			
01:07	1067	0	2.4	16	MUD	Rate change			
01:14	1140	0	2.4	516	MUD	Bump plug to 1809 psi			
01:20	0	0	0	0	N/A	Pre-rig down safety meeting			

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	1140	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	175	1055	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

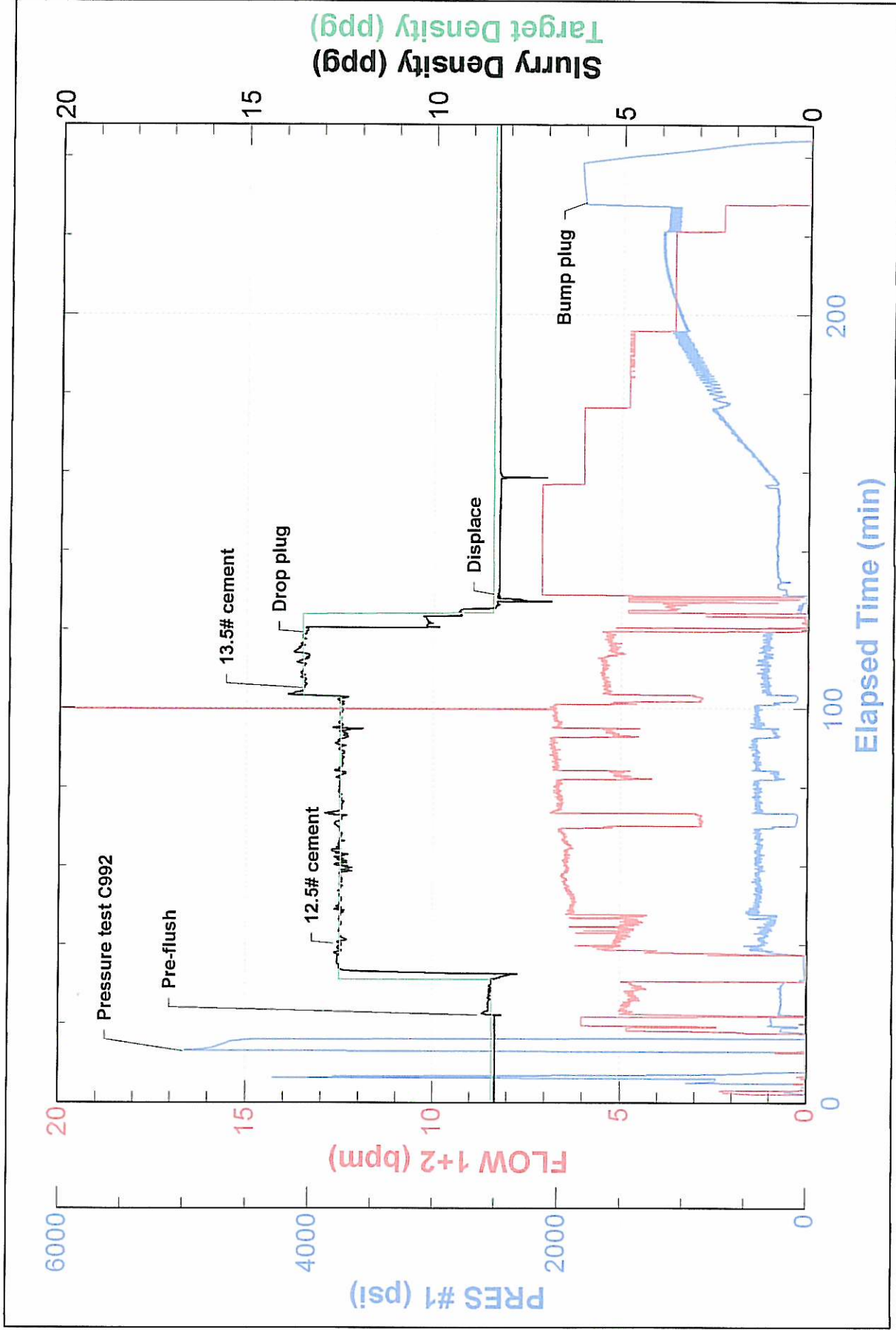


BJ Services JobMaster Program Version 3.50

Job Number: 1001838578

Customer: Marathon

Well Name: Crow Valley 7-62-32 #1A





BJ Services Company

FIELD RECEIPT NO. 1001838578

CUSTOMER Marathon Oil Gabon, Limited		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20055468 - 00237083		INVOICE NUMBER	
MAIL INVOICE TO : STREET OR BOX NUMBER P.O. BOX 1228		CITY Houston		STATE Texas		ZIP CODE 77251-1228			
DATE WORK COMPLETED 07 24 2011	MO. 07	DAY 24	YEAR 2011	BJ SERVICES REPRESENTATIVE RYAN SULLIVAN		WELL API NO: 05123333520000		WELL TYPE : New Well	
BJ SERVICES DISTRICT Brighton				JOB DEPTH (ft) 6,884		WELL CLASS : Oil			
WELL NAME AND NUMBER CROW VALLEY 7-62-32 #1A				TD WELL DEPTH (ft) 7,284		GAS USED ON JOB : No Gas			
WELL LOCATION : 32-7N-62W		COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Intermediate			
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Class G Cement			sacks	✓183	29.700	5,435.10	58%	2,282.74
100120	Bentonite			lbs	✓3922	0.500	1,961.00	58%	823.62
100121	Silica Flour			lbs	✓6132	0.530	3,249.96	58%	1,364.98
100275	Sodium Metasilicate			lbs	✓31	3.900	120.90	58%	50.78
100295	Cello Flake			lbs	✓380	4.850	1,843.00	58%	774.06
100317	Poz (Fly Ash)			sacks	✓183	13.200	2,415.60	58%	1,014.55
398224	Premium Lite Cement			sacks	✓1150	24.050	27,657.50	58%	11,616.15
398416	SealBond Spacer			bbls	✓40	264.000	10,560.00	58%	4,435.20
488015	FL-52			lbs	✓524	25.600	13,414.40	58%	5,634.05
488019	FP-6L			gals	✓13	99.250	1,290.25	58%	541.91
488465	ClayCare			gals	✓1	140.000	140.00	58%	58.80
488521	SealBond Plus			lbs	✓600	4.500	3,600.00	58%	1,512.00
499632	Granulated Sugar			lbs	✓100	3.490	349.00	58%	146.58
499634	Kol Seal			lbs	✓7575	1.130	8,559.75	58%	3,595.10
				SUB-TOTAL FOR Product Material			80,596.46	58.00%	33,850.52
ARRIVE LOCATION : 07 24 2011 07:15	MO. DAY YEAR TIME			SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.					
CUSTOMER REP. Willis Stallman				SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.					
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				CUSTOMER AUTHORIZED AGENT X					
				BJ SERVICES APPROVED X					



BJ Services Company

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DATE WORK COMPLETED 07 24 2011	BJ SERVICES REPRESENTATIVE RYAN SULLIVAN	WELL API NO: 05123333520000	WELL TYPE : New Well				
BJ SERVICES DISTRICT Brighton		JOB DEPTH (ft) 6,884	WELL CLASS : Oil				
WELL NAME AND NUMBER CROW VALLEY 7-62-32 #1A		TD WELL DEPTH (ft) 7,284	GAS USED ON JOB : No Gas				
WELL LOCATION : 32-7N-62W	COUNTY/PARISH Weld	STATE Colorado	JOB TYPE CODE : Intermediate				
PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
A152	Personnel Per Diem Chrg - Cement Svc	ea	4	161.500	646.00	0%	646.00
M100	Bulk Materials Service Charge	cu ft	1915	4.170	7,985.55	58%	3,353.93
R798	Automatic Density System	job	1	1,530.000	1,530.00	58%	642.60
	SUB-TOTAL FOR Service Charges						
F065A	Cement Pumping, 6001 - 7000 ft	6hrs	1	6,900.000	6,900.00	58%	2,898.00
F088	Cement Pumping, Additional hrs	hrs	12	750.000	9,000.00	58%	3,780.00
F090	Fuel per pump charge - cement	pump/hr	8	61.000	488.00	0%	488.00
J050	Cement Head	job	1	635.000	635.00	58%	266.70
J225	Data Acquisition, Cement, Standard	job	1	1,635.000	1,635.00	58%	686.70
J390	Mileage, Heavy Vehicle	miles	110	9.100	1,001.00	58%	420.42
J391	Mileage, Auto, Pick-Up or Treating Van	miles	110	5.150	566.50	58%	237.93
K371	Field Storage Bin, Up To 5 Days	job	1	1,270.000	1,270.00	58%	533.40
	SUB-TOTAL FOR Equipment						
					21,495.50	56.68%	9,311.15
ARRIVE LOCATION : 07 24 2011 07:15	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.						
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SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS	<input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT <input checked="" type="checkbox"/> BJ SERVICES APPROVED						



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WELL LOCATION: LEGAL DESCRIPTION 32-7N-62W		COUNTY/PARISH Weld		UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT	
PRODUCT CODE		DESCRIPTION		UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT	
J401	Bulk Delivery, Dry Products			ton-mi		4147		3.030	
J404	Bulk Delivery, Return of Unused Mtls			ton-mi		264		3.030	
		SUB-TOTAL FOR Freight/Delivery Charges						13,365.33	
		FIELD ESTIMATE						125,618.84	
								58.00%	
								57.48%	
								5,277.47	
								335.97	
								5,613.44	
								53,417.64	

Recvd by (field):
WBS#: DX/1123723 CAPDRL
Well Name: CROW VALLEY 7-62-32-1A
RSO or PO#: AP00008620
Mtrl/Serv Grp#: 5000709A
Approved By: SEALE Date: 7/24/11
Approver SAP ID:

ARRIVE LOCATION:	MO. 07	DAY 24	YEAR 2011	TIME 07:15	SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.	
CUSTOMER REP.	Willis Stallman			<input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT <input checked="" type="checkbox"/> BJ SERVICES APPROVED		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				<input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT <input checked="" type="checkbox"/> BJ SERVICES APPROVED		