

# CEMENT JOB REPORT



<b>CUSTOMER</b> Marathon Oil Company		<b>DATE</b> 10-MAY-10	<b>F.R. #</b> 1001614187	<b>SERV. SUPV.</b> JOSE E CARCAMO	
<b>LEASE &amp; WELL NAME</b> 697-26A-21 - API 05045192030000		<b>LOCATION</b> 26-6S-97W		<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> Surface	

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE	PHYSICAL SLURRY PROPERTIES						
9-5/8" Top Cem Plug, Nitrile cvr, Phe	Float Collar, Al Flap, 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
<b>MATERIALS FURNISHED BY BJ</b>									
WATER			0	8.34	0	0	00:00	20	
(35:65) poz (fly ash) type III cmt+.04 lbs/sk			1,088	12.3	2.09	11.62	03:55	404.98	301.01
static free+1% CaCl <sub>2</sub> + .75 gals/100 sks FP-13L+8 %			0	12.3	2.09	11.62	00:00	0	0
bentonite			0	12.3	2.09	11.62	00:00	0	0
type III cmt+.04 lbs/sk static free+1% CaCl			150	14.2	1.47	7.35	01:51	39.27	26.25
+.75 gals /100 sks FP-13L			0	14.2	1.47	7.35	00:00	0	0
WATER				8.34				164	
Available Mix Water 1500 Bbl.		Available Displ. Fluid 1500 Bbl.	<b>TOTAL</b>				628.25	327.26	

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
14.75		2240	9.625	36	CSG	2350				
			9.625	36	CSG	2199	J-55			

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		120	NO PACKER	0	0	0	9.625	8 RD	WATER BASED MU	9.7	

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	
165	BBLs	WATER	8.34	458	0	0	0	0	3160	1500	DAY TANKS

Circulation Prior to Job			
Circulated Well:	Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	Circulation Time:	Circulation Rate: BPM
Mud Density In:	9.7 LBS/GAL	Mud Density Out:	9.7 LBS/GAL
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 type="checkbox"/>	Amount Bled Back After Job:	2.5 BBLs
Returns During Job:	<input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FULL	Method Used to Verify Returns:	VISUALS
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"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE		
Centralizers:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	Quantity:	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		

Plugs			
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

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 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

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

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

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## Shoe Test (Update Original Treatment Report for Primary Job)

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

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 type="checkbox"/>			
	PIPE	ANNULUS				TEST LINES	2327 PSI		
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/>	BJ	<input type="checkbox"/>
23:05						PRE CONVOY SAFETY MEETING			
23:30						LEAVE YARD TO LOCATION			
02:00						ARRIVED ON LOCATION			
02:15						SPOT EQUIPMENT			
02:30						PRE RIG UP SAFETY MEETING			
02:45						START TO RIG UP			
04:00						CAB UP			
05:30						PRE JOB SAFETY MEETING			
06:40						START JOB			
06:47	2327				WATER	PRESSURE TEST LINES			
06:50	162		4.7	20	WATER	PUMP SPACER AHEAD			
07:00	212		5.2	5	CEMENT	PUMP LEAD SLURRY			
07:08	212		212	43	CEMENT	PUMP LEAD SLURRY			
07:27	317		5.2	135	CEMENT	PUMP LEAD SLURRY			
07:37	316		5.2	185	CEMENT	PUMP LEAD SLURRY			
07:43	325		5.2	220	CEMENT	PUMP LEAD SLURRY			
07:55	309		5.2	280	CEMENT	PUMP LEAD SLURRY			
08:02	233		4.5	318	CEMENT	PUMP LEAD SLURRY			
08:07	248		4.5	340	CEMENT	PUMP LEAD SLURRY			
08:26	116		2.8	400	CEMENT	PUMP LEAD SLURRY			
08:26	89		2.8	3	CEMENT	PUMP TAIL SLURRY			
08:35	101		2.8	23	CEMENT	PUMP TAIL SLURRY			
08:40	126		2.8	35	CEMENT	PUMP TAIL SLURRY			
08:40						SHUT DOWN			
08:43						DROP PLUG			
08:51	181		5.2	10	WATER	PUMP DISPLACEMENT			
09:00	184		5.2	40	WATER	PUMP DISPLACEMENT			
09:07	154		5.2	80	WATER	PUMP DISPLACEMENT			
09:11	162		5.6	100	WATER	PUMP DISPLACEMENT			
09:16	190		4.3	130	WATER	PUMP DISPLACEMENT			
09:18	144		2.3	150	WATER	SLOW RATE ON DISPLACEMENT			
09:27	169		2	160	WATER	PUMP DISPLACEMENT			
09:31	1274		2	1274	WATER	BUMP PLUG			
09:35						CHECK FLOATS/FLOATS HELD			
09:43	140		1		WATER	PUMP SUGAR WATER THROUGH PARASITE			
						STRING			
10:00						END SURFACE JOB			
10:15						POST JOB SAFETY MEETING			