

# CEMENT JOB REPORT



<b>CUSTOMER</b> MARATHON OIL (HOUSTON)		<b>DATE</b> 05-SEP-09	<b>F.R. #</b> 1001494269		<b>SERV. SUPV.</b> DELBERT S GALLEGOS							
<b>LEASE &amp; WELL NAME</b> 596-29C #21 - API 05045180870000		<b>LOCATION</b> 29-5S-96W			<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							
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>PHYSICAL SLURRY PROPERTIES</b>								
Cement Plug, Rubber, Top 9-5/8 in		Float Shoe 9-5/8 - 8rd		<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>		
<b>MATERIALS FURNISHED BY BJ</b>												
35:65 Type III+.05lbsSF+1%CACL+8%bent				989	12.3	2.09	11.62	03:55	367.28	273.57		
Type III+.05lbsSF+1%CACL+FP-13L				150	14.2	1.47	7.35	01:51	39.32	26.24		
Water					8.5				163.12			
Fresh Water					8.34				20			
Available Mix Water <u>2000</u> Bbl. Available Displ. Fluid <u>2000</u> Bbl.				<b>TOTAL</b>					589.72	299.81		
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>					
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>SIZE</b>	<b>WGT.</b>	<b>TYPE</b>	<b>DEPTH</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>		
14.75	50	2200	9.625	36	CSG	2116		2116	2071.17			
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>		<b>PERF. DEPTH</b>		<b>TOP CONN</b>		<b>WELL FLUID</b>			
<b>SIZE</b>	<b>WGT</b>	<b>TYPE</b>	<b>DEPTH</b>	<b>BRAND &amp; TYPE</b>		<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>
16	62.55	CSG	140				0	0	9.625	8RND		
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>	
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>		
166	BBLS	Water	8.5	1000	0	0	0	0	3520	2816	frac tank	

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:**

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 3500 PSI	
						CIRCULATING WELL - RIG <input type="checkbox"/> BJ <input type="checkbox"/>	
09:30						leave yard for location	
12:00						arrive to location	
12:15						tailgate meeting	
12:30						rig up pump and bulk truck	
13:00						off duty	
16:00						rig up lines to casing	
16:30						pre job safety meeting	
16:45	3500	0	.5	2	WATER	pressure test to 3500psi	
16:47	113	0	5.2	20	WATER	pump 2bbls fresh water spacer	
17:07	200	0	5.2	5	CEMENT	start pumpin lead 368bbls @ 12.3ppg	
17:14	103	0	5.2	50	CEMENT	rate pressure	
17:27	200	0	5.2	100	CEMENT	rate presure	
17:37	150	0	5.2	150	CEMENT	rate pressure	
17:47	175	0	5.2	200	CEMENT	rate pressure	
17:57	123	0	5.2	250	CEMENT	rate pressure	
18:07	150	0	5.2	300	CEMENT	rate pressure	
18:17	150	0	5.2	350	CEMENT	rate pressure	
18:28	150	0	5.2	368	CEMENT	rate pressure	
18:30	150	0	4	39	CEMENT	39bbls tail @ 14.2ppg	
18:45	0	0	0	0		wash up to pit/ drop top plug	
18:48	350	0	9.3	2	DISPALCE	start displacement 166 bbls freshwater	
18:55	325	0	8.5	50	DISPLACE	rate pressure	
19:03	130	0	5.2	100	DISPLACE	rate pressure	
19:07	215	0	5.2	120	DISPLACE	rate pressure	

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	PIPE	ANNULUS				TEST LINES 3500 PSI	
						CIRCULATING WELL - RIG <input type="checkbox"/> BJ <input type="checkbox"/>	
19:10	250	0	5.2	130	DISPLACE	rate pressure	
19:12	280	0	5.2	140	DISPALCM	rate pressure	
19:14	317	0	5.2	150	DISPLACE	rate pressure	
19:15	341	0	5.2	155	DISPLACE	rate pressure	
19:17	217	0	2.5	160	DISPLACE	rate pressure	
19:18	1131	0	0	166	DISPLACE	bumped pug to 1131psi hold for 5 minutes	
19:23	0	0	0	0	DISPLACE	bled off pressure 1bbl back float held	
19:25	320	0	2.5	20	WATER	pump 20bbls sugar water down parasite line	
19:30						no returns no cement to surface	
19:30						wait 4 hours fot first top out 23:30	

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	1000	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1	593	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	