

CEMENT JOB REPORT



CUSTOMER PETROLEUM DEVELOPMENT		DATE 04-AUG-12	F.R. # 1001927192	SERV. SUPV. COLE W MARRIOTT
LEASE & WELL NAME SHIRK-MILLER #3-2 - API 05123077200000		LOCATION SEC 2 - 6 N - 63 W		COUNTY-PARISH-BLOCK Weld Colorado
DISTRICT Brighton		DRILLING CONTRACTOR RIG # W/O		TYPE OF JOB Plug & Abandon

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
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MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES						
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh Water	0	0	8.34	0	0	00:00	23	
Premium Lite Cement + additives	0	50	13.4	1.55	7.87		13.80	9.37
Fresh water	0	0	8.3	0	0	00:00	10	
Premium Lite Cement + additives	0	0	8.3	0	0	00:00	10	
Fresh water	0	50	13.4	1.55	7.87	01:30	13.80	9.37
Fresh water	0	0	8.3	0	0	00:00	37	
Premium Lite Cement + additives	0	0	8.3	0	0	00:00	10	
Fresh water	0	360	13.4	1.55	7.87	01:30	99.33	67.50
Fresh water	0	0	8.3	0	0	00:00	19	
Fresh water	0	0	8.3	0	0	00:00	10	
Fresh water	0	0	8.3	0	0	00:00	41	
Premium Lite Cement + additives	0	0	8.3	0	0	00:00	16	
Fresh water	0	205	13.4	1.55	7.87		56.56	38.44
Class "G" Neat	0	0	8.3	0	0	00:00	10	
Fresh water	0	1,550	15.8	1.15	5.00		316.91	184.46
Fresh water	0	0	8.3	0	0	00:00	1	

Available Mix Water	700	Bbl.	Available Displ. Fluid	300	Bbl.	TOTAL	687.39	309.14
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HOLE			TBG-CSG-D.P.							COLLAR DEPTHS			TOTAL	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	687.39	309.14
12	0	7250	2.441	2.875	6.5	CSG	7250	7250	L55					

LAST CASING				PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID	
ID	OD	WGT	TYPE	MD	TVD	DEPTH	TOP	BTM	SIZE	THREAD	WGT.
						No Packer	0		2.875	8RD	10.5

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					
34.5	BBLS	Fresh Water	8.34	0	0	0	5808	1000	6224	1000					Rig tank
		Fresh water	8.3												

Circulation Prior to Job			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time: 2	
Mud Density In: 10.5 LBS/GAL		Circulation Rate: 3 BPM	
Mud Density Out: 10.5 LBS/GAL		PV & YP Mud In:	
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:		PV & YP Mud Out:	
		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: 0 BBLS	
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" 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 checked="" type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE			
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Quantity:	
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID	

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

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Plugs	
Number of Attempts by BJ: 1	Competition: 1
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Top of Plug: 0 FT Bottom of Plug: 7250 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: 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

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
None

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

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	4357 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
05:30	0	0	0	0	N/A	Arrive on location 54 miles	
05:40	0	0	0	0	N/A	Spot trucks rig ready for service	
05:50	0	0	0	0	N/A	Pre rig up safety meeting	
07:15	0	0	0	0	N/A	Pre job safety meeting	
07:29	4357	0	0	0	H2O	Pressure test	
07:33	510	0	2	10	H2O	Fresh water	
07:40	663	0	2.9	13.5	CMT	Batch up weigh and pump 50 sxs of PLC + 3% bwoc Gel	
07:51	561	0	3	34.5	MUD	Displacement	
08:00	0	0	0	0	N/A	Rig pulls 22 joints to 6534 feet	
08:32	586	0	2.5	5	H2O	Fresh water	
08:34	474	0	2.5	13	CMT	Batch up weigh and pump 50 sxs of PLC + 3% bwoc Gel	
08:41	510	0	3	33	MUD	Displacement	
08:55	0	0	0	0	N/A	Rig pulls 84 joints to 3798 feet	
10:01	2287	0	0	0	H2O	Tried to pump but pressured up	
10:30	0	0	0	0	N/A	Rig pulls pipe all the way out finds Cement in tubing	
15:47	459	0	2.5	7	H2O	Fresh water	
15:40	0	0	0	0	N/A	Rig finishes running new tubing	
15:45	0	0	0	0	N/A	Informed company man I can not chart the job, he wanted to go on with pumping without it	
15:55	173	0	3.7	89	CMT	Batch up weigh and pump 360 sxs of PLC + 3% bwoc Gel	
16:21	351	0	3.6	19.5	H2O	Displacement with H2O as per company man	
16:35	0	0	0	0	N/A	Rig pulls 24 joints to 3013 feet	
16:53	408	0	1.8	3	H2O	Reverse out long way	
17:06	382	0	1.9	5	H2O	Fresh water	
17:09	128	0	3.4	55	CMT	Batch up weigh and pump 205 sxs of PLC + 3% bwoc Gel	
17:27	77	0	2.2	10	H2O	Displacement	
17:35	0	0	0	0	N/A	Rig pulls 69 joints to 756 feet	

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	PIPE	ANNULUS				TEST LINES																	
						CIRCULATING WELL - RIG	BJ <input type="checkbox"/>																
18:39	202	0	2.1	7	H2O	Fresh water																	
18:05	306	0	2.1	4	H2O	Reverse out																	
18:43	204	0	3.7	154	CMT	Batch up weigh and pump 1550 sxs of Class G Cement																	
20:18	51	0	1.4	3	CMT	Top off with CMT																	
20:30	77	0	1.3	5	CMT	Top off with CMT																	
20:34	51	0	.5	1	CMT	Displacement																	
<table border="1"> <tr> <td>BUMPED PLUG</td> <td>PSI TO BUMP PLUG</td> <td>TEST FLOAT EQUIP.</td> <td>BBL.CMT RETURNS/ REVERSED</td> <td>TOTAL BBL. PUMPED</td> <td>PSI LEFT ON CSG</td> <td>SPOT TOP OUT CEMENT</td> <td>Service Supervisor Signature:</td> </tr> <tr> <td>Y <input type="checkbox"/> N <input checked="" type="checkbox"/></td> <td></td> <td>Y <input type="checkbox"/> N <input checked="" type="checkbox"/></td> <td>10</td> <td>461.5</td> <td>0</td> <td>Y <input type="checkbox"/> N <input checked="" type="checkbox"/></td> <td></td> </tr> </table>								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:	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	10	461.5	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
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