

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							Bbl SLURRY	Bbl MIX WATER
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN				
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	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	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	205	13.4	1.55	7.87			16		
Fresh water	0	0	8.3	0	0	00:00		56.56	38.44	
Class "G" Neat	0	1,550	15.8	1.15	5.00			10		
Fresh water	0	0	8.3	0	0	00:00		316.91	184.46	
Available Mix Water	700							1		

Available Displ. Fluid 300 Bbl. TOTAL 687.39 309.14

HOLE			TBG-CSG-D.P.					COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12	0	7250	2.441	2.875	6.5	CSG	7250	7250	J-55			

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	TYPE	WGT.
						No Packer	0		2.875	8RD	WATER BASED	10.5

DISPL. VOLUME		DISPL. FLUID		CAL. 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 BJ Circulation Time: 2 Circulation Rate: 3 BPM

Mud Density In: 10.5 LBS/GAL Mud Density Out: 10.5 LBS/GAL PV & YP Mud In: PV & YP Mud Out:

Gas Present: NO YES Units: Solids Present at End of Circulation: NO YES

Displacement And Mud Removal

Displaced By: Rig BJ

Returns During Job: NONE PARTIAL FULL Amount Bled Back After Job: 0 BBLS

Cement Returns at Surface: YES NO Method Used to Verify Returns: Visual

Pipe Movement: ROTATION RECIPROICATION NONE UNABLE DUE TO STUCK PIPE Were Returns Planned at Surface: NO YES

Centralizers: NO YES Quantity: Type: BOW RIGID

Job Pumped Through: CHOKE MANIFOLD SQUEEZE MANIFOLD MANIFOLD NO MANIFOLD

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

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Plugs			
Number of Attempts by BJ: 1	Competition: 1	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: 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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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"/>
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	

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"/>	