

CEMENT JOB REPORT



CUSTOMER AURORA POWER RESOURCE		DATE 28-FEB-14	F.R. # 10011048499		SERV. SUPV. STEVEN S ISCHE								
LEASE & WELL NAME EHRlich #1A - API 05087081770000		LOCATION 12-4N-60W		COUNTY-PARISH-BLOCK Morgan Colorado									
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Ensign 12		TYPE OF JOB Long String									
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD TVD							
5-1/2" Top Cem Plug, Nitrile cvr, Phc	Float Collar, Al Flap, 5-1/2 - 8rd	NONE	0	0	NONE	0 0							
	Float Shoe 5-1/2 - 8rd												
	Centralizer, Positive, 5-1/2 in												
MATERIALS FURNISHED BY BJ		LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES										
			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER				
Fresh Water	N/A		0	8.34	0	0	00:00	10					
UltraFlush Spacer	N/A		0	10	0	0	00:00	20					
50:50 + Adds	N/A		425	14.4	1.45	6.34	03:14	102	59.63				
Fresh Water	N/A		0	8.34	0	0	00:00	157					
Available Mix Water 500 Bbl.		Available Displ. Fluid 405 Bbl.	TOTAL		289		59.63						
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
7.875	30	6680	4.95	5.5	15.5	CSG	6673	6673	N-80	6673	6590	0	
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID			
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.1	8.63	24	CSG	534	534	NO PACKER	0	0	0	5.5	8RD	WATER BASED	9.6
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			
158.0	BBLs	Fresh Water	8.34	1278	0	0	0	0	6000	3000	RIG		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 4			Circulation Rate: 3 BPM				
Mud Density In: 9.6 LBS/GAL Mud Density Out: 9.6 LBS/GAL						PV & YP Mud In: 0			PV & YP Mud Out: 0				
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: 1 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 type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 20		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: 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 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					
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: 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 4147 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
21:00	0	0	0	0	N/A	LEAVE YARD
22:30	0	0	0	0	N/A	ARRIVE ON LOCATION AND SPOT TRUCKS
22:40	0	0	0	0	N/A	PRE RIG UP SAFTY MEETING
11:45	0	0	0	0	N/A	SAFTY MEETING WITH CREW
00:40	127	0	2	2	H2O	LOAD LINES
00:43	4147	0	0	0	H2O	PRESSURE TEST
00:46	329	0	4.9	10	H2O	FRESH WATER SPACER
00:52	152	0	2.6	20	BARITE	10# BARITE
01:00	100	0	304	102	CEMENT	BATCH UP, WHEIGH AND SEND 14.4#
01:33	0	0	0	0	N/A	DROP PLUG
01:45	1265	0	7	140	H2O	DISPLACEMENT
02:07	1354	0	4.8	10	H2O	RATE CHANGE
02:09	1391	0	2.4	7	H2O	RATE CHANGE
02:10	2579	0	0	0	H2O	BUMP PLUG
02:13	0	0	0	0	N/A	TEST FLOATS AND RIG DOWN SAFTY MEETING
03:00	0	0	0	0	N/A	LEAVE LOCATION

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	2579	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	291	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	