

CEMENT JOB REPORT



CUSTOMER EOG Resources Inc.		DATE 21-AUG-10		F.R. # 1001671428		SERV. SUPV. DENNIS F FOSTER	
LEASE & WELL NAME HEBRON #1-18H - API 05057065010000		LOCATION 18-7N-80W		COUNTY-PARISH-BLOCK Jackson Colorado			
DISTRICT Rock Springs		DRILLING CONTRACTOR RIG # SST-53		TYPE OF JOB Surface			

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES						
Cement Plug, Rubber, Top 9-5/8 in	Float Collar, Dif Fill, 9-5/8 - 8rd			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
	Float Shoe 9-5/8 - 8rd									
MATERIALS FURNISHED BY BJ										
Fresh water					8.34				15	
PII+.02#sf+2%cad2+.25#cf				408	14.5	1.41	6.83	03:00	102	66.00
Fresh water					8.34				20	
Drilling Mud					10.1				76.7	
Available Mix Water 400 Bbl. Available Displ. Fluid 319 Bbl.				TOTAL				213.7		66.00

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
12.25	75	1042	9.625	36	CSG	1032	J-55	1032	991.5	0

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	WGT.
16	84	ANNULUS	60	No Packer		0	0	0	9.625	8RND	10.1

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	
76.7	BBLs	Fresh water	8.34	316	0	0	0	0	3520	2816	Upright
		Drilling Mud	10.1								

Circulation Prior to Job

Circulated Well: Rig ☒ BJ ☐ Circulation Time: .25 Circulation Rate: 4 BPM

Mud Density In: 10.1 LBS/G Mud Density Out: 10.1 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 ☒ Amount Bled Back After Job: .25 BBLs

Returns During Job: ☐ NONE ☐ PARTIAL ☒ FULL Method Used to Verify Returns: Visual

Cement Returns at Surface: ☒ YES ☐ NO Were Returns Planned at Surface: ☐ NO ☒ YES

Pipe Movement: ☐ ROTATION ☐ RECIPROICATION ☐ NONE ☐ UNABLE DUE TO STUCK PIPE

Centralizers: ☐ NO ☒ YES Quantity: 8 Type: ☐ BOW ☐ RIGID

Job Pumped Through: ☐ CHOKE MANIFOLD ☐ SQUEEZE MANIFOLD ☒ MANIFOLD ☐ NO MANIFOLD

Plugs

Number of Attempts by BJ: 0 Competition: 0 Wiper Balls Used: ☒ NO ☐ YES Quantity:

Plug Catcher Used: ☒ NO ☐ YES Parabow Used: ☒ NO ☐ YES

Was There a Bottom: ☒ NO ☐ YES Top of Plug: 0 FT Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐ SHOE SQUEEZE ☐ TOP OF LINER SQUEEZE ☐ PLANNED ☐ UNPLANNED ☐

Liner Packer: ☒ NO ☐ YES Bond Log: ☒ NO ☐ YES PSI Applied: 0 Fluid Weight: 0 LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 1503 PSI With 10.1 LBS/GAL Mud Time Held: 00 Hours 30 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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Drilling and running casing

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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 checked="" type="checkbox"/>																				
	PIPE	ANNULUS				TEST LINES	3898 PSI																			
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/>	BJ <input type="checkbox"/>																		
02:00	0	0	0	0	0	BJ yard call																				
03:00	0	0	0	0	0	Mike Prall off yard																				
07:15	0	0	0	0	0	BJ on location/Off duty well site																				
08:00	0	0	0	0	0	Location time																				
21:30	0	0	0	0	0	BJ spot equipment																				
21:45	0	0	0	0	0	Pre rig up safety meeting																				
22:15	0	0	0	0	0	Pre job JSA																				
22:25	77	0	1.5	2	H2O	Load lines																				
22:34	3898	0	0	0	H2O	Pressure test																				
22:37	102	0	4	15	H2O	Started fresh water spacer																				
22:48	102	0	4	102	CMT	Mixed and pumped slurry at 14.5#																				
23:16	0	0	0	0	0	Shut down																				
23:19	0	0	0	0	0	BJ dropped plug																				
23:20	77	0	5	0	H2O	Started fresh water displacement																				
23:24	0	0	0	20	H2O	Shut down fresh water																				
23:25	128	0	5.1	20	MUD	Started mud displacement																				
23:27	153	0	1.5	34	MUD	Cement to surface																				
23:37	255	0	2	50	MUD	Rate and pressure																				
23:57	382	0	2	76	MUD	Final displacement pressure																				
23:58	1376	0	2	76.5	MUD	BJ bumped plug																				
00:00	1503	0	0	0	MUD	Started casing test																				
00:31	1478	0	0	0	MUD	Bled off casing test/Tested floats/Floats held/.25bbl back																				
00:35	0	0	0	0	0	Pre rig down safety meeting																				
01:15	0	0	0	0	0	BJ off location																				
<table> <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 colspan="2">Service Supervisor Signature:</td></tr> <tr> <td><input checked="" type="checkbox"/> Y <input type="checkbox"/> N</td><td>1376</td><td><input checked="" type="checkbox"/> Y <input type="checkbox"/> N</td><td>42.7</td><td>193.7</td><td>0</td><td><input checked="" type="checkbox"/> Y <input type="checkbox"/> N</td><td colspan="2"></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:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1376	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	42.7	193.7	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		
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