

CEMENT JOB REPORT



CUSTOMER Noble Energy - Denver			DATE 18-SEP-07		F.R. # 225134674		SERV. SUPV. STEVEN W STEWART					
LEASE & WELL NAME Spike State D 22-15			LOCATION				COUNTY-PARISH-BLOCK Weld Colorado					
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Work Over				TYPE OF JOB Squeeze-Perforation					
SIZE & TYPE OF PLUGS			LIST-CSG-HARDWARE			PHYSICAL SLURRY PROPERTIES						
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
MATERIALS FURNISHED BY BJ												
Class G "Neat"						150	15.8	1.15	5.00	01:00	29.5	17.17
Fresh Water							8.34				15.25	
Fresh Water							8.34				10	
Calcium Chloride Water							10.2				10	
Fresh Water							8.34				5	
Sodium Metasilicate Water							10				10	
Fresh Water							8.34				5	
Available Mix Water 120 Bbl. Available Displ. Fluid 60 Bbl.						TOTAL			84.75 17.17			
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE		
0	0	0	3.5	9.3	CSG	7142	J-55					
			2.063	4.5	TBG	3956	N-80					
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID		
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		TOP	BTM	SIZE	THREAD	TYPE	WGT.	
				Tension Packer		3956	4412	4441	2.063	8RD	WATER BASED MU 9.3	
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		
15.3	BBLS	Fresh Water	8.34	0	2850	3000	7780	3000	3860	3000	Transport	
Circulation Prior to Job												
Circulated Well: Rig <input type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 0			Circulation Rate: 0 BPM			
Mud Density In: 0 LBS/GAL				Mud Density Out: 0 LBS/GAL				PV & YP Mud In: 0		PV & YP Mud Out: 0		
Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> Units: 0						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: .25 BBLS						
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input 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 type="checkbox"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE												
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Quantity:		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID				
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input 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 checked="" 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: 3000		Fluid Weight: 8.34 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) N/A		
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC) N/A		
Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC) N/A		

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	4000 PSI
						CIRCULATING WELL - RIG	BJ
09:12	1000	0	.3	.3	H2O	Pressure test backside	
09:14	4000	0	.3	.3	H2O	Pressure test pump and lines	
09:16	500	500	.3	1.5	H2O	Load Backside	
09:20	125	500	2.1	10	H2O	Injection Test	
09:36	137	500	2.1	10	CACL2	Pre-flush Calcium Chloride	
09:41	720	500	2.1	5	H2O	Spacer	
09:43	779	400	2.1	10	SM	Spacer Sodium Metacillicate	
09:48	823	400	2.1	5	H2O	Spacer	
09:55	356	300	2.1	29.5	CMT	Batch up and pump Lead Slurry of G Neat @ 15.8 PPG	
10:08	688	300	2.1	15	H2O	Displacement	
10:23	1369	200	0	0	N/A	Shutdown	
11:20	502	200	.3	.2	H2O	Initial Squeeze	
11:21	3000	300	0	0	N/A	Shutdown	
11:50	2679	340	.3	.1	H2O	2nd Squeeze	
11:51	3000	400	0	0	N/A	Shutdown	
11:55	0	400	.3	.25	H2O	Final Squeeze	
11:56	3000	400	0	0	N/A	Shutdown	
BUMPED PLUG Y <input checked="" type="checkbox"/> N	PSI TO BUMP PLUG 0	TEST FLOAT EQUIP. Y <input checked="" type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 85	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature: