

# CEMENT JOB REPORT



CUSTOMER BAYSWATER EXPLORATION &	DATE 04-APR-15	F.R. # 10011147860	SERV. SUPV. Daniel F Kuenz
LEASE & WELL NAME SHERLEY #F-4-9HN - API 05123408970000	LOCATION 4-5N-65W		COUNTY-PARISH-BLOCK Weld Colorado
DISTRICT Brighton	DRILLING CONTRACTOR RIG # Frontier 10		TYPE OF JOB Intermediate

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
7" Top Cem Plug, Nitrile cvr, Phen	Float Collar, Pop Valve, 7 - 8rd						
	Float Shoe, Up Jet, 7in., 32 ppf, 8r						
	Stop Collar, 7 in						
	Centralizer, with Pins, 7 in						
	Thread Locking Compound						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES							
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
FRESH WATER			8.34				20		
MUD CLEAN I			8.5				20		
FRESH WATER			8.34				20		
PLHS+.1%R3+.25#sCF+.7%FL52A+.2%ASA301		470	12	2.42	13.59		202.6	152.30	
+ .1%SMS+.2%FL66+.01gpsFP6L			12				0		
50:50Poz:G+.3%CD32+.6%FL52A+.3%SMS		230	14.4	1.22	5.37		50	29.42	
+ .2%FL66+2%Gel+.01gpsFP6L			14.4				0		
Fresh Water			8.34				272.9		
Available Mix Water <u>250</u> Bbl. Available Displ. Fluid <u>450</u> Bbl.							<b>TOTAL</b>	585.5	181.72

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75	25	7400	6.184	7	29	CSG	7390	6905	P-110	7390	7340.8	1

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.
8.9	9.63	36	CSG	831	831	No Packer		0	0	0	7	BTC	WATER BASED	10.2

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	WATER
272.9	BBLS	Fresh Water	8.34	1609	0	0	0	0	11220	8976	Rig Tanks

Circulation Prior to Job															
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1.5				Circulation Rate: 8 BPM							
Mud Density In: 10.2 LBS/G				Mud Density Out: 10.2 LBS/GAL				PV & YP Mud In: 17				PV & YP Mud Out: 17			
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: 2.25 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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" 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 type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 59				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: _____				Competition: _____				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: FT				Bottom of Plug: FT							

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:** Rig running into hole with casing when we arrived on location. Appro 6 joints left to run.

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## 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: Fluid Weight: LBS/GAL

## Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: PSI With LBS/GAL Mud Time Held: Hours Minutes

## Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: FT Target EMW: LBS/GAL Actual EMW: LBS/GAL  
 Number of Times Tests Conducted: Mud Weight When Test was Conducted: 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	EXPLANATION
	PIPE	ANNULUS				
						SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/> TEST LINES 5006 PSI CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
01:00						YARD CALL
02:45						PRE-JOB CONVOY SAFETY MEETING
03:10						DEPART BHI YARD
03:50						ARRIVE ON LOCATION
04:00						CHECK IN WITH COMPANY MAN
04:08	609	0	8	760	WBM	CASING LANDED, RIG CIRCULATING
04:10						SAFETY WALK AROUND ON LOCATION
04:15						SPOT CEMENT EQUIPMENT ON LOCATION
04:30						PRE-RIG UP SAFETY MEETING
05:30						READY TO SERVICE, WAITING ON RIG CREW CHANGE OUT FOR PRE-JOB SAFETY MEETING
05:45						PRE-JOB SAFETY MEETING
06:00						STAB CEMENT HEAD
06:13	96	0	1.3	2	H2O	LOAD LINES, FRESH WATER SPACER
06:16	5006	0	0	0	H2O	PRESSURE TEST HARD LINES
06:22	369	0	4.9	18	H2O	FRESH WATER SPACER
06:26	396	0	4.9	20	H2O	MUD CLEAN 1 SPACER
06:30	396	0	4.9	20	H2O	FRESH WATER SPACER
06:35	569	0	4.9	75	CEMENT	470sks PLHS @ 12# LEAD CEMENT SLURRY
06:52	690	0	6.9	25	CEMENT	470sks PLHS @ 12# LEAD CEMENT SLURRY
06:55	596	0	5.2	40	CEMENT	470sks PLHS @ 12# LEAD CEMENT SLURRY
07:03	609	0	6.9	62.6	CEMENT	470sks PLHS @ 12# LEAD CEMENT SLURRY
07:14	469	0	4.9	50	CEMENT	230sks (50:50)Poz:G @ 14.4# TAIL CEMENT SLURRY
07:30	0	0	0	0	CEMENT	SHUT DOWN, DROP TOP PLUG
07:39	69	0	4.9	50	H2O	FRESH WATER DISPLACEMENT
07:50	196	0	6.9	50	H2O	FRESH WATER DISPLACEMENT
07:59	469	0	6.5	50	H2O	FRESH WATER DISPLACEMENT
08:05	796	0	6.9	50	H2O	FRESH WATER DISPLACEMENT
08:12	1169	0	6	60	H2O	FRESH WATER DISPLACEMENT
08:23	1690	0	2.6	12.9	H2O	SLOW RATE, FRESH WATER DISPLACEMENT
08:29	2450	0	0	0	H2O	BUMP PLUG 500+ psi OVER FINAL LIFT PRESSURE
08:39	2536	0	0	0	H2O	TEST FLOATS, BLEED OFF PRESSURE

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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 5006 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
08:41	0	0	0	0	H2O	FLOATS HELD, 2.25 bbls FLOWED BACK	
08:42						SHUT DOWN, TURNED WELL BACK OVER TO RIG	
08:45						POST-JOB SAFETY MEETING, RIG DOWN	
						12 bbls OF CEMENT BACK TO SURFACE	
						TOP OF LEAD CEMENT @ SURFACE	
						TOP OF TAIL CEMENT @ APPROX 5592'	
						THANK YOU FOR YOUR SAFE WORK, GOOD COMMUNICATION & COOPERATION !!!!! DANIEL / ERIC & THE CREW.	

  

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	2450	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12	585.5	0	Y <input checked="" type="checkbox"/> N	

