

# CEMENT JOB REPORT



<b>CUSTOMER</b> CASCADE PETROLEUM LLC		<b>DATE</b> 19-MAY-14	<b>F.R. #</b> 10011069272		<b>SERV. SUPV.</b> STEPHEN J CARDOS									
<b>LEASE &amp; WELL NAME</b> POSS #A11S-55W-13-44 - API 05073065830000		<b>LOCATION</b> 13-11S-55W		<b>COUNTY-PARISH-BLOCK</b> Lincoln Colorado										
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b>		<b>TYPE OF JOB</b> Long String										
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>MD</b> <b>TVD</b> <b>HANGER TYPES</b> <b>MD</b> <b>TVD</b>								
Cement Plug, Rubber, Top 5-1/2 in		700-LAP-PVTS Float Collar, 5-1/2 in		NA		0 0 NA 0 0								
		Float Shoe 5-1/2 - 8rd												
<b>MATERIALS FURNISHED BY BJ</b>		<b>LAB REPORT NO.</b>		<b>PHYSICAL SLURRY PROPERTIES</b>										
				<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>				
Sealbond Spacer				0	8.34	0	0	00:00	20					
Fresh water				0	8.34	0	0	00:00	186.98					
PLW + Adds				262	9.8	3.24	10.86	00:00	151.32	67.76				
Premium Lite High Strength + ads				159	12	2.46	13.43	00:00	69.57	50.85				
Mud Clean I				0	8.4	0	0	00:00	20					
Fresh Water				0	8.3	0	0	00:00	10					
<b>Available Mix Water</b> 300 <b>Bbl.</b>		<b>Available Displ. Fluid</b> 300 <b>Bbl.</b>		<b>TOTAL</b>			457.87	118.61						
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>							<b>COLLAR DEPTHS</b>				
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>		
7.875	40	8077	4.892	5.5	17	CSG	8083	8083	N-80	8074	8026	1		
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>				<b>PERF. DEPTH</b>			<b>TOP CONN</b>		<b>WELL FLUID</b>		
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>		<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>
8.9	9.63	36	CSG	500	500	no packer		0	0	0	5.5	8 RD	WATER BASED	8.6
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>			<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>			<b>MAX CSG PSI</b>		<b>MIX WATER</b>	
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>		<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>			
188	BBLS	Fresh water		8.34	0	0	0	0	0	7740	6192	TANK		
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 0				Circulation Rate: 0 BPM						
Mud Density In: 8.6 LBS/GAL				Mud Density Out: 8.6 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"/>						
<b>Displacement And Mud Removal</b>														
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 1.5 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 checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 0				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														
<b>Plugs</b>														
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						
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>														
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	
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>														
Casing Test Pressure: 0 PSI				With 0 LBS/GAL Mud				Time Held: 00 Hours 00 Minutes						
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: RIG LOST RETURNS WHEN RUNNING CASING</b>														

# CEMENT JOB REPORT



## 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)**

RIG LOST CIRCULATION OF WELL WHEN RUNNING CASING. COMPANY REPRESENTATIVE REQUESTED BHI TO PUMP JOB REGARDLESS.

**Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)**

WATER TRUCK DID NOT ARRIVE ON TIME DURING PUMPING.

**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	5256 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
03:10	0	0	0	0	NA	LEAVE YARD	
05:40	0	0	0	0	NA	ARRIVE ON LOCATION	
09:27	0	0	0	0	NA	SPOT TRUCKS	
09:51	0	0	0	0	NA	PRE-RIG UP SAFETY MEETING	
10:51	0	0	0	0	NA	PRE-JOB SAFETY MEETING	
11:23	0	0	0	1	H2O	LOAD LINES	
11:24	5256	0	0	0	H2O	PRESSURE TEST	
11:31	0	0	7.2	20	H2O	PUMP SPACER (MUD CLEAN 1)	
11:34	0	0	7.2	10	H2O	PUMP SPACER (FRESH WATER)	
11:36	458	0	7.2	20	H2O	PUMP SPACER (SEALBOND)	
11:39	0	0	0	0	NA	BATCH UP	
11:50	0	0	3.2	171	CMT	PUMP LEAD SLURRY (PREMIUM LITE CEMENT + .2% BWOC R-3 + 61.9% BWOC LW-6 + .25 LBS/SACK CELLO FLAKE + .3% BWOC CD-32 + .5% BWOC FL-52 + .2% BWOC SODIUM METASILICATE + 5 LBS/SACK KOL-SEAL, 50 LB BAG + 104.1% FRESH WATER)	
12:41	0	0	3.2	67	CMT	PUMP TAIL SLURRY (PREMIUM LITE HIGH STRENGTH + .25% BWOC CELLO FLAKE + .8 % BWOC FL-52 + .4% BWOC SODIUM METASILICATE + 5 LBS/SACK KOL-SEAL, 50 LB BAG + 128.8% FRESH WATER)	
12:59	0	0	0	0	NA	DROP PLUG	
13:08	0	0	0	0	NA	WASH UP TO PIT	
13:18	567	0	4.8	188	KCL	DISPLACE	
14:18	2598	0	2.4	0	KCL	BUMP PLUG	
14:23	2451	0	0	0	NA	5 MIN PLUG HOLD	
14:34	0	0	0	0	NA	PRE-RIG DOWN SAFETY MEETING	
<b>BUMPED PLUG</b>	<b>PSI TO BUMP PLUG</b>	<b>TEST FLOAT EQUIP.</b>	<b>BBL.CMT RETURNS/ REVERSED</b>	<b>TOTAL BBL. PUMPED</b>	<b>PSI LEFT ON CSG</b>	<b>SPOT TOP OUT CEMENT</b>	<b>Service Supervisor Signature:</b>
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	2598	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	480	0	Y <input checked="" type="checkbox"/> N	

