

# CEMENT JOB REPORT



<b>CUSTOMER</b> ANADARKO PETROLEUM COI		<b>DATE</b> 22-AUG-14	<b>F.R. #</b> 10011092762	<b>SERV. SUPV.</b> STEPHEN J CARDOS										
<b>LEASE &amp; WELL NAME</b> VOGL STATE #16C-36HZ - API 05123396880000		<b>LOCATION</b> 36-3N-68W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado										
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Xtreme 20		<b>TYPE OF JOB</b> Intermediate										
<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, Bottom 7 in		Float Shoe 7 - 8rd		N/A		0	0	N/A	0	0				
Cement Plug, Rubber, Top 7 in		Float Collar, Auto Fill, 7 - 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>
Fresh Water				N/A				0	8.34	0	0	00:00	294.74	
Fresh Water				N/A				0	8.34	0	0	00:00	40	
Mud Clean I				N/A				0	8.34	0	0	00:00	20	
Fresh Water				N/A				0	8.34	0	0	00:00	20	
Surfactant Wash				N/A				0	8.34	0	0	00:00	20	
80:20 + Adds				N/A				553	12.7	2.12	11.30		208	148.54
Tail Slurry								180	14.4	1.54	6.61		49	28.13
<b>Available Mix Water</b> 400 Bbl.		<b>Available Displ. Fluid</b> 1000 Bbl.		<b>TOTAL</b>				651.74	176.67					
<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>		
8.75	25	7783	6.276	7	26	CSG	7783	7302	P-110	7824	7736	0		
<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	1067	1067	NO PACKER		0	0	0	7	8RND	WATER BASED	10
<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>			
290	BBLs	Fresh Water		8.34	1127	0	0	0	0	9960	3000	RIG TANK		
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 2				Circulation Rate: 6 BPM						
Mud Density In: 10 LBS/GAL				Mud Density Out: 10 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: 2 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"/> RECIPROCATION <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 10 LBS/GAL Mud				Time Held: 00 Hours 30 Minutes						

# 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)

PROBLEMS WITH SET UP TIME

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

SLURRY WAS DIFFICULT TO PUMP

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

NONE

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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	5416 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
07:15	0	0	0	0	N/A	YARD CALL	
10:15	0	0	0	0	N/A	LEAVE YARD	
10:45	0	0	0	0	N/A	ARRIVE ON LOCATION(RIGGING DOWN CASERS)	
11:00	0	0	0	0	N/A	SPOT TRUCKS	
11:10	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
11:15	0	0	0	0	N/A	START WORKING ON PROBLEMS WITH CEMENT TIMES	
18:05	0	0	0	0	N/A	SAFETY MEETING	
18:38	5416	0	0	0	H2O	PRESSURE TEST	
18:42	514	0	4	40	H2O	FRESH WATER SPACER	
19:01	545	0	4.1	20	H2O	MUD CLEAN SPACER	
19:06	601	0	4.1	20	H2O	SURFACTANT WASH SPACER	
19:11	642	0	4.1	10	H2O	FRESH AND DYE SPACER	
19:16	510	0	4	198	CMT	BATCH/WEIGH/PUMP 12.7 LB CEMENT	
20:25	530	0	4.9	49	CMT	BATCH/WEIGH/PUMP 124.4 LB CEMENT	
20:40	0	0	0	0	MUD	DOWN/PLUG	
20:46	1652	0	4.4	270	MUD	DISPLACEMENT	
21:51	1865	0	3.6	20	MUD	DROP RATE	
21:56	2542	0	0	290	H2O	BUMP PLUG	
21:56	2542	0	0	0	H2O	CASING TEST	
22:26	0	0	0	0	H2O	BLEED OFF / CHECK FLOATS/JOB DONE	

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	2542	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	20	617	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	