

# CEMENT JOB REPORT



<b>CUSTOMER</b> ANADARKO PETROLEUM COI		<b>DATE</b> 30-JUL-14		<b>F.R. #</b> 10011086812		<b>SERV. SUPV.</b> FELIPE LANDA				
<b>LEASE &amp; WELL NAME</b> WARDELL #14-29 - API 05123258360000		<b>LOCATION</b> 29-3N-65W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado						
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b>		<b>TYPE OF JOB</b> Squeeze-Perforation						
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>			
<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>
				280	14.8	1.33	6.31	66.20	42.10	
					8.34			3		
Available Mix Water 120 Bbl.		Available Displ. Fluid 120 Bbl.		<b>TOTAL</b>		89.20	42.10			
<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>			
8		1506	1	1.25		TBG	1506			
<b>LAST CASING</b>		<b>PKR-CMT RET-BR PL-LINER</b>		<b>PERF. DEPTH</b>		<b>TOP CONN</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>			
8.1	8.63	24		850	850	NO PACKER	0			
<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>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>			
3	BBLS	Fresh Water	8.34	0	0	0	7000			
				<b>MAX CSG PSI</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>			
				0	0	0	0			
<b>MIX WATER</b>										
TRANSPORT										
<b>Circulation Prior to Job</b>										
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1						
Mud Density In: 8.34 LBS/G				Mud Density Out: 8.34 LBS/GAL						
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: 0 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 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"/> RECIPROCATION <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 checked="" type="checkbox"/> NO MANIFOLD										
<b>Plugs</b>										
Number of Attempts by BJ: 0				Competition:						
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <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>Shoe Test (Update Original Treatment Report for Primary Job)</b>										
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										
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE</b>										

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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	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	5281 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
06:51	0	0	0	0	NA	ARRIVE ON LOCATION	
07:00	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP SAFETY MEETING	
07:37	0	0	0	0	NA	SAFETY MEETING	
07:46	120	0	.8	1	H2O	LOAD LINES	
07:49	5281	0	0	0	H2O	PRESSURE TEST	
07:55	650	0	2	20	H2O	FRESH WATER	
08:10	701	0	2	66	CEMENT	280 SACKS OF TYPE III CEMENT + 0.05% R-3 + 0.25 lbs/sack CELLO FLAKE + 0.01% STATIC FREE @ 14.8 PPG	
08:53	600	0	1	3	H2O	DISPLACE	
09:00	0	0	0	0	H2O	BLEED OFF PRESSURE/BALANCE CEMENT	
09:15	0	0	0	0	NA	POST JOB RIG DOWN SAFETY MEETING	
BUMPED PLUG Y <input checked="" type="checkbox"/> N	PSI TO BUMP PLUG	TEST FLOAT EQUIP. Y <input checked="" type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED 89	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature:

Report Printed on: JUL-28-14 12:19:30

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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)  
 NONE

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
 LOST CIRCULATION AT 27 BBLS INTO CEMENTING. PUMPED AN ADDITIONAL 3 BBLS AT LOW RATE (.2 BPM) AND CONTINUED TO SEE PRESSURE INCREASES. CEMENT TOTALED 147 SACKS. CUSTOMER REQUESTED SHUTDOWN AT 10:30, IN ORDER TO PULL OUT 2000 FT OF TUBING AND CIRCULATE OUT CEMENT WITH 100 BBLS FRESH WATER.

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	3884 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
07:30	0	0	0	0	N/A	LEAVE DISTRICT	
08:15	0	0	0	0	N/A	ARRIVE ON LOCATION (28 MILES)	
08:30	0	0	0	0	N/A	SPOT TRUCKS	
08:40	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
09:00	0	0	0	0	N/A	PRE JOB SAFETY MEETING	
09:20	0	0	0	1	H2O	LOAD LINE	
09:24	3884	0	.4	.1	H2O	PRESSURE TEST	
09:30	728	0	1.3	10	H2O	FRESH WATER SPACER	
09:37	1180	0	2	20	H2O	SMS SPACER	
09:48	1151	0	2	5	H2O	FRESH WATER SPACER	
09:52	1641	0	2	30	CMT	BATCHWEIGH/PUMP 660 SX OF CEMENT @ 15.8 PPG	
11:15	711	0	3.6	100	H2O	REVERSE OUT 100 BBLS OF FRESH WATER	
11:57	0	0	0	0	N/A	SHUT DOWN	

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:
Y <input checked="" type="checkbox"/> N	0	Y <input checked="" type="checkbox"/> N	0	150	0	Y <input checked="" type="checkbox"/> N	