

# CEMENT JOB REPORT



<b>CUSTOMER</b> ANADARKO PETROLEUM COF		<b>DATE</b> 27-MAR-14	<b>F.R. #</b> 10011055652		<b>SERV. SUPV.</b> JOHN R WUDARCZYK									
<b>LEASE &amp; WELL NAME</b> RADEMACHER #23-25 - API 05123250690000		<b>LOCATION</b> 25-3N-68W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado										
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> BASIC 1524		<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>HANGER TYPES</b> <b>MD</b> <b>TVD</b>								
Cement Plug, Rubber, Top 4-1/2 in		No Shoe												
		NA-Squeeze												
<b>MATERIALS FURNISHED BY BJ</b>				<b>PHYSICAL SLURRY PROPERTIES</b>										
		<b>LAB REPORT NO.</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>										
Squeeze Slurry				130	14	1.53								
Fresh Water				0	8.34	0								
Fresh Water				0	8.34	0								
SMS				0	8.34	0								
Fresh Water				0	8.34	0								
<b>Available Mix Water</b> _____ <b>Bbl.</b>		<b>Available Displ. Fluid</b> _____ <b>Bbl.</b>		<b>TOTAL</b>		<b>181.82</b> <b>23.97</b>								
<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	0	1500	4	4.5	11.6	CSG	1500	1500	L-80	0	0	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>
						NO PACKER		0			4.5	8RND	WATER BASED	8.4
<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>				
21.5	BBLS	Fresh Water	8.34	0	0	2000	0	0	6224	2000	TRANSPORT			
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 4 BPM					
Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 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: 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 checked="" 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 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 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: 784 Fluid Weight: 8.34 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					
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE														

# 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)  
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      3995 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
07:10	0	0	0	0	0	ARRIVE ON LOCATION ( 23 MILES )	
07:25	0	0	0	0	0	PRE RIG UP SAFETY MEETING	
08:20	0	0	0	0	0	PRE JOB MEETING	
08:45	3995	0	0	0	H2O	PRESSURE TEST PUMPS AND LINES	
08:49	405	0	6	100	H2O	FRESH WATER	
09:09	203	0	5	20	H2O	SMS SPACER	
09:13	228	0	4.8	5	H2O	FRESH WATER	
09:20	203	0	4	33	CMT	BATCH UP AND PUMP 130 SKS TYPE III+1%CACL+.25#/SACK CELLO FLAKE @ 14#	
09:36	0	0	0	0	H2O	DROP PLUG	
09:37	102	0	4.9	10	H2O	START DISPLACEMENT	
09:39	152	0	3.5	9	H2O	SLOW RATE	
09:42	1139	0	1	2.5	H2O	SLOW RATE	
09:44	784	0	0	0	H2O	SHUT DOWN@21.5 BBL PUMPED / SHUT IN WELL WITH 784 PSI	
09:46	0	0	0	0	H2O	BLEED OFF PRESSURE TO PUMP	
09:47	0	0	0	0	H2O	WASH UP PUMP	
10:00	0	0	0	0	0	POST JOB RIG DOWN SAFETY MEETING	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	<u>Service Supervisor Signature:</u>
Y <input checked="" type="checkbox"/> N	0	Y <input checked="" type="checkbox"/> N	0	179.5	784	Y <input checked="" type="checkbox"/> N	



FIELD RECEIPT NO. 10011055652

<b>CUSTOMER</b> ANADARKO PETROLEUM CORP - XML				<b>CREDIT APPROVAL NO.</b>	<b>PURCHASE ORDER NO.</b>	<b>CUSTOMER NUMBER</b> 20047992 - 00208786	<b>INVOICE NUMBER</b>				
<b>MAIL INVOICE TO</b>		<b>STREET OR BOX NUMBER</b> PO BOX 1330		<b>CITY</b> Houston		<b>STATE</b> Texas	<b>ZIP CODE</b> 77251-1330				
<b>DATE WORK COMPLETED</b>	<b>MO.</b> 03	<b>DAY</b> 27	<b>YEAR</b> 2014	<b>BHI REPRESENTATIVE</b> JOHN R WUDARCZYK	<b>WELL API NO:</b> 05123250690000	<b>WELL TYPE :</b> Old Well					
<b>DISTRICT</b> BJS, BRIGHTON				<b>JOB DEPTH(ft)</b> 1,500		<b>WELL CLASS :</b> Gas					
<b>WELL NAME AND NUMBER</b> RADEMACHER #23-25				<b>TD WELL DEPTH(ft)</b> 1,500		<b>GAS USED ON JOB :</b> No Gas					
<b>WELL LOCATION :</b>		<b>LEGAL DESCRIPTION</b> 25-3N-68W		<b>COUNTY/PARISH</b> Weld	<b>STATE</b> Colorado	<b>JOB TYPE CODE :</b> Squeeze-Perforation					
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
100112	Calcium Chloride				lbs	123					
100112	Calcium Chloride				lbs	300					
100275	Sodium Metasilicate				lbs	800					
100295	Cello Flake				lbs	33					
100404	Sodium Chloride				lbs	100					
488019	FP-6L				gals	1					
499632	Granulated Sugar				lbs	50					
499703	Type III Cement				sacks	130					
86706-1	4-1/2" Top Cem Plug, Nitrile cvr, Phen				ea	1					
	SUB-TOTAL FOR Product Material										
A152	Personnel Per Diem Chrg - Cement Svc				ea	1					
M100	Bulk Materials Blending Charge				cu ft	159					
	SUB-TOTAL FOR Service Charges										
<b>ARRIVE LOCATION :</b>	<b>MO.</b> 03	<b>DAY</b> 27	<b>YEAR</b> 2014	<b>TIME</b> 07:10	<b>SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.</b>				<b>SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.</b>		
<b>CUSTOMER REP.</b> NICK LANG					<b>CUSTOMER AUTHORIZED AGENT</b>				<b>X</b>		
<b>SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS</b>									<b>CUSTOMER AUTHORIZED AGENT</b>		