

# CEMENT JOB REPORT



CUSTOMER ANADARKO PETROLEUM COF		DATE 09-APR-14	F.R. # 10011058980	SERV. SUPV. STEVEN S ISCHE									
LEASE & WELL NAME MURRAY #21-14 - API 05123246720000		LOCATION 14-3N-66W		COUNTY-PARISH-BLOCK Weld Colorado									
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Workover		TYPE OF JOB Squeeze-Block									
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS MD TVD									
4-1/2" Top Cem Plug, Nitri cvr, Phen													
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			
SMS		N/A		0	8.34	0	0	00:00	20				
Fresh Water		N/A		0	8.34	0	0	00:00	105				
Squeeze Slurry		N/A		330	14	1.53	7.74	02:15	89.67	60.85			
Available Mix Water 240 Bbl.		Available Displ. Fluid 70 Bbl.		TOTAL		214.67		60.85					
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
10	40	1620	4.052	4.5	10.5	CSG	1620	1620	N-80				
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.
						NO PACKER	0			2.375	8RD	WATER BASED	8.6
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			
23	BBLS	Fresh Water	8.34	0	0	0	0	0	6224	800	TRUCK		
<b>Circulation Prior to Job</b>													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 2 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 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 type="checkbox"/> MANIFOLD <input checked="" 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>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									
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE													

# CEMENT JOB REPORT



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 4000 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
06:45	0	0	0	0	N/A	LEAVE YARD	
07:15	0	0	0	0	N/A	ARRIVE ON LOCATION	
07:20	0	0	0	0	N/A	SPOT TRUCKS AND PRE RIG UP SAFTY MEETING	
08:50	0	0	0	0	N/A	JSA WITH CREW	
09:11	0	0	1	1	H2O	LOAD LINES	
09:13	3961	0	0	0	H2O	PRESSURE TEST	
09:15	314	0	6	100	H2O	FRESH WATER SPACER	
09:40	150	0	4.2	20	SMS	SPACER	
09:45	121	0	4.2	5	H2O	FRESH WATER SPACER	
09:50	86	0	3.2	81	CMT	BATCH UP, WHEIGH AND SEND 14#	
10:37	515	0	4.8	19	H2O	DISPLACEMENT	
10:42	765	0	1	3.3	H2O	DISPLACEMENT	
10:45	662	0	0	0	N/A	SHUT DOWN AND WASH UP	
11:00	0	0	0	0	N/A	RIG DOWN SAFTY MEETING	
11:30	0	0	0	0	N/A	LEAVE LOCATION	

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	231	662	Y <input checked="" type="checkbox"/> N	



FIELD RECEIPT NO. 10011058980

<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> STREET OR BOX NUMBER 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> 04	<b>DAY</b> 09	<b>YEAR</b> 2014	<b>BHI REPRESENTATIVE</b> STEVEN S ISCHE	<b>WELL API NO:</b> 05123246720000	<b>WELL TYPE :</b> Old Well				
<b>DISTRICT</b> BJS, BRIGHTON				<b>JOB DEPTH (ft)</b> 1,620		<b>WELL CLASS :</b> Gas				
<b>WELL NAME AND NUMBER</b> MURRAY #21-14				<b>TD WELL DEPTH (ft)</b> 1,620		<b>GAS USED ON JOB :</b> No Gas				
<b>WELL LOCATION :</b>		<b>LEGAL DESCRIPTION</b> 14-3N-66W		<b>COUNTY/PARISH</b> Weld	<b>STATE</b> Colorado	<b>JOB TYPE CODE :</b> Squeeze-Block				
<b>PRODUCT CODE</b>	<b>DESCRIPTION</b>				<b>UNIT OF MEASURE</b>	<b>QUANTITY</b>	<b>LIST PRICE UNIT</b>	<b>GROSS AMOUNT</b>	<b>% DISC.</b>	<b>NET AMOUNT</b>
100112	Calcium Chloride				lbs	311				
100275	Sodium Metasilicate				lbs	800				
100295	Cello Flake				lbs	83				
488019	FP-6L				gals	3				
499703	Type III Cement				sacks	330				
	SUB-TOTAL FOR Product Material									
A152	Personnel Per Diem Chrg - Cement Svc				ea	1				
M100	Bulk Materials Blending Charge				cu ft	353				
	SUB-TOTAL FOR Service Charges									
<b>ARRIVE LOCATION :</b>	<b>MO.</b> 04	<b>DAY</b> 09	<b>YEAR</b> 2014	<b>TIME</b> 07:20	<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>	
									<b>X</b>	