

CEMENT JOB REPORT



CUSTOMER ANADARKO PETROLEUM COR		DATE 28-FEB-14	F.R. # 10011049675		SERV. SUPV. RYAN SULLIVAN								
LEASE & WELL NAME CLC GAS UNIT #1 - API 05123082300000			LOCATION 18-2N-66W		COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton		DRILLING CONTRACTOR RIG # WO		TYPE OF JOB Squeeze-Perforation									
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD TVD HANGER TYPES MD TVD							
		No Shoe		Retainers		6590 6590							
				Retainers		6590 6590							
MATERIALS FURNISHED BY BJ				PHYSICAL SLURRY PROPERTIES									
		LAB REPORT NO.		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT₃							
Fresh Water		N/A		0	8.34	0							
Squeeze Slurry		C02-087-14		150	13.5	1.71							
Fresh Water		N/A		0	8.34	0							
Available Mix Water 75 Bbl.		Available Displ. Fluid 75 Bbl.		TOTAL		81.29 29.63							
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
0	0	0	1.995	2.375	4.7	TBG	6590	6590	J-55	0	0	0	
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.
4.1	4.5	10.5	CSG	6950	6950	Cement retainer	6590	6500	6950	2.375	8RD	WATER BASED	8.34
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		
25.5	BBLS	Fresh Water		8.34	0	1500	1500	8960	1500	0	0	transport	
Circulation Prior to Job													
Circulated Well: Rig <input type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 0				Circulation Rate: 0 BPM					
Mud Density In: 0 LBS/GAL				Mud Density Out: 0 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"/>					
Displacement And Mud Removal													
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"/> RECIPROICATION <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													
Plugs													
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					
Squeezes (Update Original Treatment Report for Primary Job)													
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: 642		Fluid Weight: 13.5 LBS/GAL			
Casing Test (Update Original Treatment Report for Primary Job)													
Casing Test Pressure: 0 PSI				With 0 LBS/GAL Mud				Time Held: 00 Hours 00 Minutes					
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									

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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

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	4803 PSI
						CIRCULATING WELL - RIG	<input type="checkbox"/> BJ <input type="checkbox"/>
05:00	0	0	0	0	NA	Yard Call	
08:25	0	0	0	0	NA	Leave Yard	
09:00	0	0	0	0	NA	Arrive on Location, 12 miles, rig testing tubing while running in hole	
09:15	0	0	0	0	NA	Spot Trucks	
09:20	0	0	0	0	NA	Pre rig up Safety Meeting	
12:15	0	0	0	0	NA	Pre Job Safety Meeting	
12:27	25	0	.8	.5	H2O	Load Lines	
12:30	4803	0	0	0	H2O	Pressure Test	
12:33	327	0	1	3.5	H2O	Spacer	
12:42	452	0	2	45.5	CMT	Batch up, weigh, & pump 150 sks 50:50 Poz Class G + .1% bwoc R-3 + .6% bwoc FL-52 + .1% bwoc sms + 20% bwoc Silica Flour + 3% bwoc Bentonite II @ 13.5 ppg	
13:12	642	0	2	25.5	H2O	Displacement	
13:33	0	0	0	0	NA	Bleed off Pressure/ Stop Job	
14:30	0	0	0	0	NA	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	Service Supervisor Signature:
Y <input checked="" type="checkbox"/> N	0	Y <input checked="" type="checkbox"/> N	0	74.5	0	Y <input checked="" type="checkbox"/> N	



FIELD RECEIPT NO. 10011049675

CUSTOMER ANADARKO PETROLEUM CORP - XML					CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER 20047992 - 00208786	INVOICE NUMBER		
MAIL INVOICE TO			STREET OR BOX NUMBER PO BOX 1330		CITY Houston		STATE Texas	ZIP CODE 77251-1330		
DATE WORK COMPLETED	MO. 02	DAY 28	YEAR 2014	BHI REPRESENTATIVE RYAN SULLIVAN		WELL API NO: 05123082300000		WELL TYPE : Old Well		
DISTRICT BJS, BRIGHTON					JOB DEPTH (ft) 6,950		WELL CLASS : Gas			
WELL NAME AND NUMBER CLC GAS UNIT #1					TD WELL DEPTH (ft) 6,950		GAS USED ON JOB : No Gas			
WELL LOCATION :		LEGAL DESCRIPTION 18-2N-66W			COUNTY/PARISH Weld		STATE Colorado	JOB TYPE CODE : Squeeze-Perforation		
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Class G Cement				sacks	75				
100121	Silica Flour				lbs	2520				
100275	Sodium Metasilicate				lbs	13				
100283	R-3				lbs	13				
100317	Poz (Fly Ash)				sacks	75				
488015	FL-52				lbs	76				
488019	FP-6L				gals	1				
488449	Bentonite II				lbs	378				
499632	Granulated Sugar				lbs	50				
	SUB-TOTAL FOR Product Material									
A152	Personnel Per Diem Chrg - Cement Svc				ea	1				
M100	Bulk Materials Blending Charge				cu ft	196				
	SUB-TOTAL FOR Service Charges									
ARRIVE LOCATION :	MO. 02	DAY 28	YEAR 2014	TIME 09:00	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.				SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.	
CUSTOMER REP. Mark Vandagriff					CUSTOMER AUTHORIZED AGENT X				CUSTOMER AUTHORIZED AGENT	
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS									CUSTOMER AUTHORIZED AGENT	