

CEMENT JOB REPORT



CUSTOMER ANADARKO PETROLEUM COI			DATE 19-MAR-14		F.R. # 10011053320		SERV. SUPV. STEVEN S ISCHE							
LEASE & WELL NAME EDWARD RADEMACHER UNIT #1 - API 051230785			LOCATION 25-3N-68W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # W/O			TYPE OF JOB Squeeze-Perforation								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD			
				Retainers		3940	3940	NONE		0	0			
				Retainers		650	650							
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES								
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ₃	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
Squeeze Slurry				N/A		0	0	0	0	00:00	0			
SMS Spacer				N/A		0	8.34	0	0	00:00	20			
Plug #1				N/A		280	15.8	1.15	4.97	02:33	57.57	33.12		
Fresh Water				N/A		0	8.34	0	0	00:00	12			
Fresh Water				N/A		0	8.34	0	0	00:00	10			
Plug #2				N/A		240	14	1.53	7.78	02:50	61	41.32		
Fresh Water				N/A		0	8.34	0	0	00:00	0.5			
Available Mix Water 200 Bbl.			Available Displ. Fluid 138 Bbl.			TOTAL		161.07		74.44				
HOLE			TBG-CSG-D.P.					COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
12	20	6000	1.995	2.375	4.7	TBG	3940	6940	N-80			1030		
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	4.5	11.6	CSG	6940	6940	CEMENT RETAINER	3940	3910	4290	2.375	8 RD	FRESH WATER	8.4	
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				
12	BBLS	Fresh Water	8.34	0	0	0	7700	6160	5250	3000			Transport	
		Fresh Water	8.34											
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 2 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 type="checkbox"/> YES <input checked="" type="checkbox"/>				Units: 0				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: 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 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 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 type="checkbox"/> MANIFOLD <input checked="" type="checkbox"/> NO MANIFOLD														
Plugs														
Number of Attempts by BJ: 2				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: 0 Fluid Weight: 0 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														

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		
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 4400 PSI		
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		
08:20	0	0	0	0	N/A	Leave Yard		
09:25	0	0	0	0	N/A	Arrive Location		
09:30	0	0	0	0	N/A	Spot Trucks		
09:30	0	0		0	N/A	Pre Rig Up Safety Meeting		
10:20	0	0		0	N/A	Job JSA		
10:26	4400	0	0	0	H2O	High Pressure Test		
11:35	1176	0	3.1	10	H2O	Spacer		
11:39	1226	0	3.1	20	SMS	SPACER		
11:11	1238	0	3.1	5	H2O	SPACER		
12:12	1530	0	2	12	H2O	Displ.		
11:50	1454	0	3.1	59	CMT	Pump 280 sks cmt (TOP OF CEMENT 2550)		
12:17	0	0	0	0	H2O	Shut Down		
12:17	0	0	0	0	H2O	Pull Tubing		
16:22	4200	0	0	0	H2O	PRESSURE TEST		
16:23	105	0	2.1	10	H2O	Spacer		
16:30	0	0	0	0	CMT	Batch Up CMT		
16:41	65	0	2	61	CMT	Pump 240 sks cmt (6 BBLS CEMENT TO SURFACE)		
17:22	111	0	1.3	.5	H2O	Displ.		
17:23	0	0	0	0	H2O	Shut Down AND WASH UP		
17:45	0	0	0	0	N/A	Rig Down Safety Meeting		
18:30	0	0	0	0	N/A	Convey Safety Meeting		
18:45	0	0	0	0	N/A	Leave Loc		

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 type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	6	178	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	



FIELD RECEIPT NO. 10011053320

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. 03	DAY 19	YEAR 2014	BHI REPRESENTATIVE STEVEN S ISCHE	WELL API NO: 05123078520000	WELL TYPE : Old Well				
DISTRICT BJS, BRIGHTON					JOB DEPTH(ft) 4,290	WELL CLASS : Gas				
WELL NAME AND NUMBER EDWARD RADEMACHER UNIT #1					TD WELL DEPTH(ft) 6,940	GAS USED ON JOB : No Gas				
WELL LOCATION :		LEGAL DESCRIPTION 25-3N-68W		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	280				
100112	Calcium Chloride				lbs	452				
100112	Calcium Chloride				lbs	300				
100275	Sodium Metasilicate				lbs	800				
100295	Cello Flake				lbs	70				
100404	Sodium Chloride				lbs	100				
488013	CD-32				lbs	106				
488019	FP-6L				gals	4				
499632	Granulated Sugar				lbs	100				
499703	Type III Cement				sacks	240				
499705	ASA-301				lbs	106				
	SUB-TOTAL FOR Product Material									
A152	Personnel Per Diem Chrg - Cement Svc				ea	1				
	SUB-TOTAL FOR Service Charges									
ARRIVE LOCATION :	MO. 03	DAY 19	YEAR 2014	TIME 09:25	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. Luis Morales					CUSTOMER AUTHORIZED AGENT			X		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS								BHI APPROVED		
					CUSTOMER AUTHORIZED AGENT					

CEMENT JOB REPORT



CUSTOMER ANADARKO PETROLEUM COI		DATE 17-MAR-14	F.R. # 10011052969	SERV. SUPV. STEPHEN J CARDOS											
LEASE & WELL NAME EDWARD RADEMACHER UNIT #1 - API 051230785		LOCATION 25-3N-68W		COUNTY-PARISH-BLOCK Weld Colorado											
DISTRICT Brighton		DRILLING CONTRACTOR RIG # W/O		TYPE OF JOB Squeeze-Perforation											
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES	MD	TVD					
N/A		N/A		RETAINER		6570	6570	NO HANGER	0	0					
PHYSICAL SLURRY PROPERTIES															
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ₃	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER					
Fresh Water		N/A		0	8.34	0	0	00:00	10	✓					
Squeeze Slurry		N/A		140	13.5	1.71	8.30	00:00	42.74	27.65					
Fresh Water		N/A		0	8.34	0	0	00:00	25	✓					
SMS Spacer		N/A		0	8.34	0	0	00:00	20	✓					
Plug #1		N/A		280	15.8	1.15	4.97		57.57	33.12					
Fresh Water		N/A		0	8.34	0	0	00:00	18	✓					
Fresh Water		N/A		0	8.34	0	0	00:00	10	✓					
Plug #2		N/A		240	14	1.53	7.78	00:00	65.60	44.44					
Fresh Water		N/A		0	8.34	0	0	00:00	5	✓					
Available Mix Water		140 Bbl.		Available Displ. Fluid		140 Bbl.		TOTAL		253.91 105.22					
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE			
			4	4.5	11.6	CSG	6940	6940	N-80			1030			
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.		
						CEMENT RETAINER	6570			2.375	8RND	FRESH WATER	8.4		
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			
4224	BBLS	Fresh Water		8.34	0	0		0	0	0	6224	3000	TANKER TRUCK		
		Fresh Water		8.34											
Circulation Prior to Job															
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: .5				Circulation Rate: 2 BPM							
Mud Density In: 8.34 LBS/G				Mud Density Out: 8.34 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"/> 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 checked="" 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 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 checked="" 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			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE															

CEMENT JOB REPORT



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

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

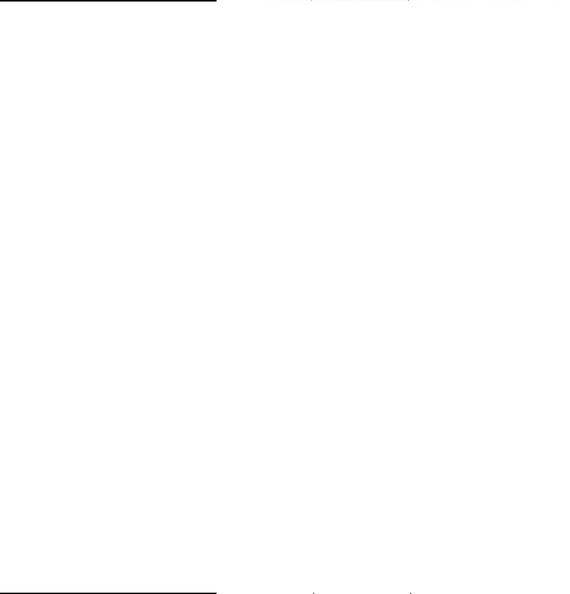
EXPLANATION

TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION	
	PIPE	ANNULUS				SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	TEST LINES 4224 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
07:10	0	0	0	0	N/A	LEAVE YARD	
11:30	0	0	0	0	N/A	ARRIVE ON LOCATION	
11:40	0	0	0	0	N/A	SPOT TRUCKS	
12:00	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
12:20	0	0	0	0	N/A	SAFETY MEETING	
12:29	4224	0	0	0	H2O	PRESSURE TEST	
12:34	285	0	.4	1	H2O	ESTABLISH CIRCULATION	
12:38	1173	0	2.4	40	CMT	BATCH/WEIGH/PUMP 13.5 LB CEMENT	
13:03	824	0	2.1	22.4	H2O	DISPLACEMENT	
13:15	0	0	0	0	N/A	STING OUT	
13:19	0	0	0	0	N/A	JOB DONE / WASH UP / RIG 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 type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	63	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	



ORDER NUMBER 0208786	INVOICE NUMBER	
ZIP CODE 7251-1330		
Information		
GROSS AMOUNT	% DISC.	NET AMOUNT



CERTIFY THAT THE MATERIALS AND SERVICES WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.

AUTHORIZED AGENT

/ED

Load Sheet



WELL NAME EDWARD RADEMACHER UNIT #1

DISTRICT Brighton

