CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	ANADARKO PETROLEUM COR	DATE	11-MAR-14	F.R. #	10011051395	SERV. SUPV.	RYAN SULLIVAN

LEASE & WELL NAME RADEMACHER LOUIS J #1 - API 05123082080000
LOCATION 30-3N-67W
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
	No Shoe	Retainers	3926	3926			
	NA-Squeeze						

PHYSICAL SLURRY PROPERTIES

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh Water	N/A	0	8.34	0	0	00:00	0	
Fresh Water	N/A	0	13.5	1.71	8.30		0	0
Fresh Water	N/A	0	8.34	0	0	00:00	0	
SMS Spacer	N/A	0	8.34	0	0	00:00	20	
Plug #1	C03-017-14	480	15.8	1.15	4.97	04:23	98.69	56.78
Fresh Water	N/A	0	8.34	0	0	00:00	12	
Fresh Water	N/A	0	8.34	0	0	00:00	0	
Plug #2	N/A	0	14	0	0		0	
Fresh Water	N/A	0	8.34	0	0	00:00	0	
Fresh Water	N/A	0	8.34	0	0	00:00	5	

Available Mix Water	100	Bbl.	Available Displ. Fluid	50	Bbl.	TOTAL	135.69	56.78

HOLE				TBG-CSG-D.P.						COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
11	0	4755	1.995	2.375	4.7	TBG	3926	3926		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.
1	4.5	11.6	CSG	4755	4755	Cement Retainer	3926	3885	4755	2.375	8RD	WATER BASED	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	2000	2000	8960	2000	0	0	Transport
		Fresh Water	8.34								

Circulation Prior to Job

Circulated Well:	Rig [X]	BJ [ ]	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 [X]   YES [ ]   Units: Solids Present at End of Circulation: NO [X]   YES [ ]

Displacement And Mud Removal

Displaced By: Rig [ ]   BJ [X]   Amount Bled Back After Job: 0 BBLS

Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL   Method Used to Verify Returns: Visually

Cement Returns at Surface: [ ] YES [X] NO   Were Returns Planned at Surface: [X] NO [ ] YES

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [X] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [X] NO [ ] YES   Quantity: Type: [ ] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [ ] MANIFOLD [X] NO MANIFOLD

Plugs

Number of Attempts by BJ: 0   Competition: 0   Wiper Balls Used: [X] NO [ ] YES   Quantity:

Plug Catcher Used: [X] NO [ ] YES   Parabow Used: [X] NO [ ] YES

Was There a Bottom: [X] NO [ ] YES   Top of Plug: 0 FT   Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ]   SHOE SQUEEZE [ ]   TOP OF LINER SQUEEZE [ ]   PLANNED [X]   UNPLANNED [ ]

Liner Packer: [X] NO [ ] YES   Bond Log: [X] NO [ ] YES   PSI Applied: 898   Fluid Weight: 15.8 LBS/GAL

CEMENT JOB REPORT

BAKER HUGHES

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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

PRESSURE/RATE DETAIL					EXPLANATION

SAFETY MEETING: BJ CREW [X] CO. REP. [X]
TEST LINES 3760 PSI
CIRCULATING WELL - RIG [X] BJ [ ]

TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
09:55	0	0	0	0	N/A	Arrive on location, 22 miles, rig circulating hole
10:00	0	0	0	0	N/A	Spot trucks on location, pre-rig up safety meeting & HRA
10:30	0	0	0	0	N/A	Rig-up complete, wait on water truck
10:50	0	0	0	0	N/A	Water truck on location, test cement pump
11:10	0	0	0	0	N/A	Pre-job safety meeting
11:18	967	0	0	0	WATER	Load lines, low pressure test
11:20	3760	0	0	0	WATER	High pressure test
11:22	66	0	1	4	WATER	Break circulation
11:27	261	0	1.8	20	SMS	Sodium metasilicate water
11:40	261	0	1.8	5	WATER	Spacer
11:45	580	0	1.9	95	CEMENT	Batch-up, weigh, & pump 480 sx of Class G + 0.25 lbs/sk Cello Flake + 0.4% CD-32 + 0.4% ASA-301 @ 15.8 ppg
12:47	898	0	2.3	12.5	WATER	Displace
12:55	0	0	0	0	N/A	Sting-out of retainer
12:58	0	0	0	0	N/A	Job done, wash-up pump
12:58	0	0	0	0	N/A	Estimated top of cement to be at top holes @ 3885'.
13:20	0	0	0	0	N/A	Pre-rig down safety meeting
13:50	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	Service Supervisor Signature:
Y [N]	0	Y [N]	0	136.5	0	Y [N]	

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BAKER HUGHES

FIELD RECEIPT NO. **10011051395**

CUSTOMER		CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER	INVOICE NUMBER
ANADARKO PETROLEUM CORP - XML				20047992 - 00208786	

MAIL INVOICE TO	STREET OR BOX NUMBER PO BOX 1330		CITY Houston	STATE Texas	ZIP CODE 77251-1330	

DATE WORK COMPLETED	MO. 03	DAY 11	YEAR 2014	BHI REPRESENTATIVE RYAN SULLIVAN	WELL API NO: 05123082080000	WELL TYPE : Old Well

DISTRICT BJS, BRIGHTON	JOB DEPTH (ft) 4,755	WELL CLASS : Gas

WELL NAME AND NUMBER RADEMACHER LOUIS J #1	TD WELL DEPTH (ft) 4,755	GAS USED ON JOB : No Gas

WELL LOCATION :	LEGAL DESCRIPTION 30-3N-67W	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	480				
100112	Calcium Chloride	lbs	300				
100275	Sodium Metasilicate	lbs	800				
100295	Cello Flake	lbs	120				
100404	Sodium Chloride	lbs	100				
488013	CD-32	lbs	181				
488019	FP-6L	gals	3				
499632	Granulated Sugar	lbs	50				
499705	ASA-301	lbs	181				
	SUB-TOTAL FOR Product Material						
A152	Personnel Per Diem Chrg - Cement Svc	ea	1				
M100	Bulk Materials Blending Charge	cu ft	521				
	SUB-TOTAL FOR Service Charges						

ARRIVE LOCATION :	MO. 03	DAY 11	YEAR 2014	TIME 09:55	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					CUSTOMER AUTHORIZED AGENT	BHI APPROVED X

CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER ANADARKO PETROLEUM COI	**DATE** 10-MAR-14	**F.R. #** 10011051542	**SERV. SUPV.** JOHN R WUDARCZYK
LEASE & WELL NAME RADEMACHER LOUIS J #1 - API 05123082080000	**LOCATION** 30-3N-67W		**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
	No Shoe						
	NA-P&A						

PHYSICAL SLURRY PROPERTIES

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh Water		0	8.34	0	0	00:00	5	
Squeeze Slurry		25	13.5	1.71	8.30		7.6	4.92
Fresh Water		0	8.34	0	0	00:00	25	
SMS Spacer		0	8.34	0	0	00:00	20	
Plug #1		480	15.8	1.15	4.97		98.69	56.78
Fresh Water		0	8.34	0	0	00:00	18	
Fresh Water		0	8.34	0	0	00:00	10	
Plug #2		500	14	1.53	7.78		136.68	92.58
Fresh Water		0	8.34	0	0	00:00	5	

Available Mix Water 100 **Bbl.**	**Available Displ. Fluid** 80 **Bbl.**		**TOTAL**	325.96 154.28

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
0	0	0	4	4.5	11.6	CSG	6540	6540	N-80	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.
						NO PACKER	0			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	
22	BBLS	Fresh Water	8.34	0	0	0	8960	3000	6224	3000	TRANSPORT
		Fresh Water	8.34								

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ]	Circulation Time: .25	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 [X] YES [ ] Units:	Solids Present at End of Circulation: NO [X] YES [ ]	

Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X]	Amount Bled Back After Job: 0 BBLS
Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL	Method Used to Verify Returns: VISUAL
Cement Returns at Surface: [ ] YES [X] NO	Were Returns Planned at Surface: [X] NO [ ] YES

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [X] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [X] NO [ ] YES Quantity: Type: [ ] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [ ] MANIFOLD [X] NO MANIFOLD

Plugs

Number of Attempts by BJ: 1 Competition: 0	Wiper Balls Used: [X] NO [ ] YES Quantity:
Plug Catcher Used: [X] NO [ ] YES	Parabow Used: [X] NO [ ] YES
Was There a Bottom: [X] NO [ ] YES	Top of Plug: 6218 FT Bottom of Plug: 6540 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ] SHOE SQUEEZE [ ] TOP OF LINER SQUEEZE [ ] PLANNED [ ] UNPLANNED [ ]

Liner Packer: [X] NO [ ] YES Bond Log: [X] NO [ ] 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

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 [X] CO. REP. [X]
	PIPE	ANNULUS				TEST LINES 5056 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
11:00	0	0	0	0	0	ARRIVE ON LOCATION (20 MILES)
11:30	0	0	0	0	0	PRE RIG UP SAFETY MEETING
12:20	0	0	0	0	0	PRE JOB MEETING
12:36	5056	0	0	0	H2O	PRESSURE TEST PUMPS AND LINES
12:39	45	0	2	5	H2O	FRESH WATER
12:45	25	0	1.8	5	CMT	BATCH UP AND PUMP 15 SKS POZ/G+.6%FL-52+.1%SMS+3%BENTONITE+20%S-8@13.5#
12:53	880	0	3	22	H2O	DISPLACE
13:01	0	0	0	0	H2O	SHUT DOWN / WASH UP
13:20	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	Service Supervisor Signature:
Y [N]		Y [N]	0	32	0	Y [N]	

BAKER HUGHES

FIELD RECEIPT NO. 10011051542

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 10	YEAR 2014	BHI REPRESENTATIVE JOHN R WUDARCZYK	WELL API NO: 05123082080000	WELL TYPE : Old Well

DISTRICT BJS, BRIGHTON	JOB DEPTH(ft) 6,540	WELL CLASS : Gas

WELL NAME AND NUMBER RADEMACHER LOUIS J #1	TD WELL DEPTH(ft) 6,540	GAS USED ON JOB : No Gas

WELL LOCATION :	LEGAL DESCRIPTION 30-3N-67W	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	13				
100112	Calcium Chloride	lbs	300				
100121	Silica Flour	lbs	420				
100275	Sodium Metasilicate	lbs	3				
100317	Poz (Fly Ash)	sacks	13				
100404	Sodium Chloride	lbs	100				
488015	FL-52	lbs	13				
488019	FP-6L	gals	1				
488449	Bentonite II	lbs	63				
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	42				
	SUB-TOTAL FOR Service Charges						

ARRIVE LOCATION :	MO. 03	DAY 10	YEAR 2014	TIME 11:00	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.
Luis Moralas

CUSTOMER AUTHORIZED AGENT
X

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS

CUSTOMER AUTHORIZED AGENT

BHI APPROVED
X

CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER ANADARKO PETROLEUM COR	**DATE** 08-MAR-14	**F.R. #** 10011051260	**SERV. SUPV.** RYAN R STEVENS

LEASE & WELL NAME RADEMACHER LOUIS J #1 - API 05123082080000	**LOCATION** 30-3N-67W	**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
None	NA-P&A	Cement retrainer	6586	6586	None	0	0
	No Shoe						

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		0	8.34	0		00:00	10	
Squeeze Slurry		80	13.5	1.71	8.30		24.42	15.80
Fresh Water		0	8.34	0	0		25	
SMS Spacer	0	0	0	0	0	00:00	0	
Plug #1		0	0	0	0	00:00	0	
Fresh Water		0	0	0	0	00:00	0	
Fresh Water		0	0	0	0	00:00	0	
Plug #2		0	0	0	0	00:00	0	
Fresh Water		0	0	0	0	00:00	0	

Available Mix Water 150 Bbl.	**Available Displ. Fluid** 150 Bbl.			**TOTAL**	59.42	15.80

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
9	20	7590	4	4.5	11.6	CSG	6790	6790		0	0	0
			1.995	2.375	4.7	TBG	6586	6586				

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	6586			2.375	8RD	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	
22.5	BBLS	Fresh Water	8.34	0	0	0	6890	3000	6224	3000	Transport
		Fresh Water	0								

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ]	Circulation Time: .5		Circulation Rate: 1 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 [X] YES [ ]	Units:	Solids Present at End of Circulation: NO [X] YES [ ]	

Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X]	Amount Bled Back After Job: 0 BBLS
Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL	Method Used to Verify Returns: Visual
Cement Returns at Surface: [ ] YES [X] NO	Were Returns Planned at Surface: [X] NO [ ] YES
Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [X] NONE	[ ] UNABLE DUE TO STUCK PIPE
Centralizers: [X] NO [ ] YES Quantity:	Type: [ ] BOW [ ] RIGID
Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [X] MANIFOLD [ ] NO MANIFOLD	

Plugs

Number of Attempts by BJ: 0 Competition: 0	Wiper Balls Used: [X] NO [ ] YES Quantity:
Plug Catcher Used: [X] NO [ ] YES	Parabow Used: [X] NO [ ] YES
Was There a Bottom: [X] NO [ ] YES	Top of Plug: 0 FT Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ] SHOE SQUEEZE [ ] TOP OF LINER SQUEEZE [ ] PLANNED [ ] UNPLANNED [ ]	
Liner Packer: [X] NO [ ] YES	Bond Log: [X] NO [ ] YES PSI Applied: 0 Fluid Weight: 0 LBS/GAL

CEMENT JOB REPORT

BAKER HUGHES

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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

PRESSURE/RATE DETAIL						EXPLANATION

SAFETY MEETING: BJ CREW [X] CO. REP. [X]
TEST LINES 3878 PSI
CIRCULATING WELL - RIG [X] BJ [ ]

TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
	PIPE	ANNULUS				
03:30	0	0	0	0	N/A	Yard call
06:04	0	0	0	0	N/A	Time left district
06:34	0	0	0	0	N/A	Time arrived on location
07:50	0	0	0	0	N/A	Pre rig up safety meeting
08:10	0	0	0	0	N/A	Pre job safety meeting
08:21	3878	0	0	0	WATER	Pressuer test
08:26	641	0	2	3	WATER	Fresh water spacer
08:29	1087	0	2.4	24	CEMENT	batch up, weigh and pump 80 SXS of (50:50) POZ (Fly ash) : Class G + 0.6% FL-52 + 0.1% SMS + 20% Silca Flour + 3% Bentonite @ 13.5 PPG
08:34	800	0	2	22.4	WATER	Dispalcement (Estamated top of cement @ 6589)
08:50	0	0	0	0	N/A	Shut down job down
09:15	0	0	0	0	N/A	Pre rig down safety meeting
09:45	0	0	0	0	N/A	Time off 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 [ ] N [X]	0	Y [ ] N [X]	0	43	0	Y [ ] N [X]	

CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER ANADARKO PETROLEUM COR	DATE 12-MAR-14	F.R. # 10011051956	SERV. SUPV. STEPHEN J CARDOS

LEASE & WELL NAME
RADEMACHER LOUIS J #1 - API 05123082080000

LOCATION
30-3N-67W

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	N/A			N/A		

PHYSICAL SLURRY PROPERTIES

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT₃	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	500	13.5	1.71	8.30		24.42	15.80
Fresh Water	N/A	0	8.34	0	0	00:00	25	
SMS Spacer	N/A	0	8.34	0	0	00:00	0	
Plug #1	N/A	0	15.8	0	0		0	
Fresh Water	N/A	0	8.34	0	0	00:00	0	
Fresh Water	N/A	0	8.34	0	0	00:00	0	
Plug #2	N/A	0	14	1.53	7.78	00:00	0	0
Fresh Water	N/A	0	8.34	0	0	00:00	0	
FINAL PLUG #3	N/A	500	14	1.53	7.78	00:00	0	0

Available Mix Water	150	Bbl.	Available Displ. Fluid	150	Bbl.	TOTAL	59.42	15.80

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	6790	6790	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.
						NO PACKER	0			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	
1	BBLS	Fresh Water		8.34	0	0	0	0	0	6224	1000	TANKER TRUCK
		Fresh Water		8.34								

Circulation Prior to Job

Circulated Well:	Rig	X	BJ		Circulation Time:	.5	Circulation Rate:	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 X YES ☐	Units:	Solids Present at End of Circulation: NO X YES ☐

Displacement And Mud Removal

Displaced By: Rig ☐   BJ X   Amount Bled Back After Job: .5 BBLS

Returns During Job: ☐ NONE ☐ PARTIAL X FULL   Method Used to Verify Returns: VISUAL

Cement Returns at Surface: X YES ☐ NO   Were Returns Planned at Surface: ☐ NO X YES

Pipe Movement: ☐ ROTATION ☐ RECIPROCATION X NONE ☐ UNABLE DUE TO STUCK PIPE

Centralizers: ☐ NO X YES   Quantity: 0   Type: ☐ BOW ☐ RIGID

Job Pumped Through: ☐ CHOKE MANIFOLD ☐ SQUEEZE MANIFOLD ☐ MANIFOLD X NO MANIFOLD

Plugs

Number of Attempts by BJ: 0   Competition: 0   Wiper Balls Used: X NO ☐ YES   Quantity:

Plug Catcher Used: X NO ☐ YES   Parabow Used: X NO ☐ YES

Was There a Bottom: X NO ☐ YES   Top of Plug: 0 FT   Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐   SHOE SQUEEZE ☐   TOP OF LINER SQUEEZE ☐   PLANNED ☐   UNPLANNED ☐

Liner Packer: X NO ☐ YES   Bond Log: X NO ☐ YES   PSI Applied: 0   Fluid Weight: 0 LBS/GAL

CEMENT JOB REPORT

BAKER HUGHES

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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

PRESSURE/RATE DETAIL					EXPLANATION

SAFETY MEETING: BJ CREW [X] CO. REP. [X]
TEST LINES   2966 PSI
CIRCULATING WELL - RIG [X]   BJ [ ]

TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
10:10	0	0	0	0	N/A	LEAVE YARD
10:50	0	0	0	0	N/A	ARRIVE ON LOCATION
10:52	0	0	0	0	N/A	SPOT TRUCKS
11:00	0	0	0	0	N/A	PRE RIG UP MEETING(WAIT ON RIG CREW)
13:05	0	0	0	0	N/A	SAFETY MEETING
13:11	2966	0	.5	2	H2O	PRESSURE TEST
13:14	230	0	3	10	H2O	FRESH WATER SPACER
13:21	186	0	2.4	118	CMT	BATCH/WEIGH/PUMP 14LB CEMENT(TOP OF CEMENT TO SURFACE)
14:24	139	0	1.6	1	H2O	DISPLACEMENT
14:26	0	0	0	0	N/A	DOWN/WASH UP
14:50	0	0	0	0	N/A	RIG DOWN SAFETY MEETING
15:30	0	0	0	0	N/A	LEAVE LOCATION(WAIT FOR WATER TRUCK TO GET OUT OF THE WAY)
16:15	0	0	0	0	N/A	ARRIVE AT YARD

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 [ ] N [X] 0		Y [ ] N [X] 7		129	0	Y [ ] N [X]	