CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER ANADARKO PETROLEUM COI	**DATE** 05-NOV-14	**F.R. #** 10011115497	**SERV. SUPV.** FELIPE LANDA

LEASE & WELL NAME UPRC #19-10L - API 05123174440000	**LOCATION** 19-3N-67W	**COUNTY-PARISH-BLOCK** Weld Colorado
DISTRICT Brighton	**DRILLING CONTRACTOR RIG #** WO	**TYPE OF JOB** Plug & Abandon

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
		Packer	2970				

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
Plug Slurry		180	15.8	1.15	4.95		37.02	21.23
Fresh Water			8.34				9.5	
Fresh Water			8.34				5	
Mud Clean II			0				0	
Fresh Water			8.4				0	
Type III + Adds		0	0	0	0		0	
Fresh Water			0				0	

Available Mix Water	130	Bbl.	Available Displ. Fluid	130	Bbl.	**TOTAL**	51.52	21.23

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
			3.068	3.5	7.7	CSG	3000	3000				
			1.75	2.063	3.18	TBG	2970					

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.
						PACKER	2970			2.063	8RD	FRESH WATER	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	
9.5	BBLS	Fresh Water Fresh Water		8.34 0	0	0	0	0	0	0	0	TRANSPORT

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ]		Circulation Time: 0	Circulation Rate: .8 BPM
Mud Density In: 8.34 LBS/G	Mud Density Out: 8.34 LBS/GAL	PV & YP Mud In:	PV & YP Mud Out:
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: 3 BBLS

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

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

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [ ] 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: 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

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

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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   5730 PSI
CIRCULATING WELL - RIG [X]   BJ [ ]

TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
11:49	0	0	0	0	NA	ARRIVE ON LOCATION
12:10	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP SAFETY MEETING
12:40	0	0	0	0	NA	SAFETY MEETING
12:57	5730	0	0	0	H2O	PRESSURE TEST
13:05	1502	0	.8	0	H2O	FRESH WATER
13:15	3443	0	.6	21	H2O	100 SACKS OF CLASS "G" CEMENT + 0.4% CD-32 + 0.4% ASA-301 + 0.01 gps FP-6L @ 15.8 PPG
13:47	3546	0	.6	9.5	H2O	DISPLACE
14:05	0	0	0	0	H2O	BLEED OFF PRESSURE 3 BBLS PUSH BACK
14:30	0	0	0	0	NA	RIG PULLING TUBING/ GOING BACK IN
15:25	427	0	1.5	3	H2O	FRESH WATER
15:30	129	0	1.7	16	H2O	100 SACKS OF CLASS "G" CEMENT + 0.4% CD-32 + 0.4% ASA-301 + 0.01 gps FP-6L @ 15.8 PPG
15:38	308	0	1.7	2	H2O	DISPLACE
15:40	0	0	0	0	H2O	BALANCE CEMENT
16:00	0	0	0	0	NA	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] 0		Y [N] 7		47	0	Y [N]	

CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	ANADARKO PETROLEUM COI	DATE 06-NOV-14	F.R. # 10011115655	SERV. SUPV. FELIPE LANDA

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
UPRC #19-10L - API 05123174440000	19-3N-67W	Weld Colorado

DISTRICT	DRILLING CONTRACTOR RIG #	TYPE OF JOB
Brighton	WO	Plug & Abandon

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD

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
Plug Slurry		0	0	0	0		0	
Fresh Water			0				0	
Fresh Water			0				0	
Mud Clean II			8.5				10	
Fresh Water			0				10	
Type III + Adds		290	14.8	1.34	6.33		69.04	43.72
Fresh Water			8.4				2	

Available Mix Water	120	Bbl.	Available Displ. Fluid	120	Bbl.	TOTAL	91.04	43.72

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
958		1000	3.068	3.5	7.7	CSG	3000	3000				
			8.097	8.625	24	CSG	510					
			1.75	2.063	3.18	TBG	1200					

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			2.063	8RD	FRESH WATER	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	
2	BBLS	Fresh Water	0	0	0	0	0	0	0	0	TRANSPORT
		Fresh Water	8.4								

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: PV & YP Mud Out:

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 [ ] 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: Competition: 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: 143 FT   Bottom of Plug: 1200 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

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

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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**

TIME HR:MIN.	PIPE	ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
						SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 3037 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
12:00	0	0	0	0	NA	ARRIVE ON LOCATION
12:10	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP SAFETY MEETING
13:06	0	0	0	0	NA	SAFETY MEETING
13:16	0	0	.8	1	H2O	LOAD LINES
13:18	3037	0	0	0	H2O	PRESSURE TEST
13:25	189	0	2	10	H2O	MUD CLEAN II
13:33	159	0	2	10	H2O	FRESH WATER
13:40	109	0	2.3	70	CEMENT	290 SKS OF TYPE III CEMENT + 1% CALCIUM CHLORIDE + 0.25 lbs/sack CELLO FLAKE @ 14.8 PPG
14:16	310	0	2.4	2	H2O	DISPLACE
14:20	0	0	0	0	H2O	BALANCE CEMENT
14:36	0	0	0	0	NA	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 [X] 0		Y [ ] N [X] 0		99	0	Y [ ] N [X]	

Sanjel

Client Name	Well Name	Rig	Job Date	Call Sheet
Anadarko Petroleum Corporation	UPRC 19-10L	Leed 724	November 07,2014	1050090
Client Representative	Surface Well Location	Down Hole Well Location	Job Type	
Mr. Luis Morales	Sec 1:T1N:R1W		Abandonment Plugs	

Well Profile

Maximum Treating Pressure (psi):   ---

Predicted Bottom Hole Static Temperature (°F):   --- @ --

Bottom Hole Circulating Temperature (°F):   --- @ --

Bottom Hole Logged Temperature (°F):   --- @ --

Casing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
8.625	24.000	---	--	--	--	--	--	0.0	470.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.063	3.250	---	--	--	--	--	0.000	470.000

Products

Plug 1

From Depth (ft):   220

To Depth (ft):   470

Plug Type :   Abandonment

Acids/Blends/Fluids :

    Tail: 70 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 5.7 (bbl)
    Water Temperature(°F) = 55 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 78
      + 0.25 lb/sack of Polyflake (Preblend),
      + 0.5 % of CaCl2 (Preblend),
      + 0.3 % of CFR-2 (Preblend),
      + 0.3 % of CFL-3 (Preblend),
      + 0.4 % of CDF-4P (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 220

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 29, 2014 06:51

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

Sanjel

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201017	PICKUP	1 Ton				11/07/2014 13:00	11/07/2014 14:40
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	11/07/2014 13:00	11/07/2014 14:40
446084	TRAILER	Bulker	746084	TRACTOR	Tandem - Tractor	11/07/2014 13:00	11/07/2014 14:40

Crew and Bonuses

Employee	Start Shift	End Shift		Second Start Shift	Second End Shift
Douglass, Brian	11/07/2014 13:00	11/07/2014 14:40			
Young, Craig	11/07/2014 13:00	11/07/2014 14:40			
Estrada, John	11/07/2014 13:00	11/07/2014 14:40			

Treatment Reports & Remarks

Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	Nov 07,2014 13:00	Arrive On Location	---	--	--	--	--	0.00
2	Nov 07,2014 13:05	Tailgate Meeting	---	--	--	--	--	0.00
3	Nov 07,2014 13:10	Rig In	---	--	--	--	--	0.00
4	Nov 07,2014 13:20	STEACS Briefing	---	--	--	--	--	0.00
5	Nov 07,2014 13:25	Sign-off on Safety	---	--	--	--	--	0.00
6	Nov 07,2014 13:26	Establish Circulation	Water	1.00	100.0	--	1.00	1.00
	Remarks: fill lines							
7	Nov 07,2014 13:28	Pressure Test	---	--	1,500.0	--	--	1.00
8	Nov 07,2014 13:28	Pump Preflush	Water	2.00	50.0	--	15.00	16.00
9	Nov 07,2014 13:40	Mix Cement	0:1:0 Type III	2.00	50.0	--	15.70	31.70
10	Nov 07,2014 13:55	Pump Displacement	Water	2.00	50.0	--	2.00	33.70
11	Nov 07,2014 13:58	Stop	---	--	--	--	--	33.70
12	Nov 07,2014 14:00	Rig Out	---	--	--	--	--	33.70
13	Nov 07,2014 14:10	Job Complete	---	--	--	--	--	33.70
14	Nov 07,2014 14:20	Pre-Departure Meeting	---	--	--	--	--	33.70
15	Nov 07,2014 14:40	Leave Location	---	--	--	--	--	33.70

Did Float Hold: Not Applicable

Fluid Returns :   Not Expected

    Type :

    Volume (bbl) :

    Temperature (°F) :   --

FDAS Functioning Correctly :   Yes

Was the Program Followed As Per Design? :   Yes