CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER ANADARKO PETROLEUM COR	**DATE** 30-OCT-14	**F.R. #** 10011113434		**SERV. SUPV.** TIM ADAMS
LEASE & WELL NAME EPICENTER #4-15 - API 05123239600000	**LOCATION** 4-5N-67W			**COUNTY-PARISH-BLOCK** Weld Colorado
DISTRICT Brighton	**DRILLING CONTRACTOR RIG #** WO			**TYPE OF JOB** Squeeze-Top

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
None		None	0	0	None	0	0

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
Type III		110	14.8	1.33	6.30	03:33	26.03	16.50
Fresh Water	N/A	0	8.34	0	0	00:00	1.5	
Mud Clean II	N/A	0	8.5	0	0	00:00	10	
Fresh Water	N/A	0	8.4	0	0	00:00	10	

Available Mix Water	80	Bbl.	Available Displ. Fluid	53	Bbl.	**TOTAL**	47.53	16.50

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8		1600	4	4.5	11.6	CSG	1600	1600				
			1.38	1.66	2.3	TBG	1595	1595	K-55			

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.
8	8	0	OPEN HOLE	362	362	No Packer	0	0	0	1.25	8RND	WATER BASED	8.4
8.1	8.63	24	CSG	1233	1233			0	0				

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	
1.5	BBLS	Fresh Water	8.34	0	0	0	6496	3000	0	0	Water Truck

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ]		Circulation Time: 0	Circulation Rate: 0 BPM
Mud Density In: 8.34 LBS/GAL	Mud Density Out: 8.34 LBS/GAL	PV & YP Mud In: 0	PV & YP Mud Out: 0
Gas Present: NO [ ] YES [X]	Units: 0	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: 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

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

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

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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

	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 5575 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
05:00	0	0	0	0	NA	Leave yard
06:34	0	0	0	0	NA	Arrive on location (34 miles, rig crew not here yet)
07:51	0	0	0	0	NA	Spot trucks
08:08	0	0	0	0	NA	Pre rig up safety meeting
09:04	0	0	0	0	NA	Pre job safety meeting
09:48	236	0	.8	1	H2O	Load lines
09:51	5575	0	0	0	H2O	Pressure test
09:59	899	0	2.3	5	H2O	Water spacer
10:02	842	0	2.3	10	H2O	Mud clean spacer
10:07	848	0	2.3	5	H2O	Water spacer
10:14	898	0	2.3	26	CMT	Batch / weigh / pump cement (110sx, 14.8ppg)
10:43	925	0	2	1.5	H2O	Displacement
10:45	0	0	0	0	NA	Shut down
10:46	0	0	0	0	NA	Bleed off
10:54	0	0	0	0	H2O	Wash pump and lines
11:29	77	0	2	4	H2O	Reverse out to clean tubing
11:32	0	0	0	0	NA	Shut down / bleed off / done

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	53	0	Y [ ] N [X]	