CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	ENCANA OIL & GAS (USA) INC	DATE	23-DEC-13	F.R. #	10011034982	SERV. SUPV.	RYAN R STEVENS

LEASE & WELL NAME LUTZ #1-A - API 05123094220000
LOCATION 31-1N-65W
COUNTY-PARISH-BLOCK Weld Colorado

DISTRICT Brighton
DRILLING CONTRACTOR RIG # W/O
TYPE OF JOB Plug & Abandon

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
None	No Shoe	None	0	0	None	0	0
	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		0	8.34	0	0	00:00	1	
Fresh Water		0	8.34	0	0	00:00	5	
Class G		50	15.8	1.15	5.00		10.22	5.95
Fresh Water		0	8.34	0	0	00:00	10	
Plug #2	0	0	0	0	0	00:00	0	
Fresh Water		0	8.34	0	0	00:00	1	
Fresh Water		0	0	0	0	00:00	0	
Plug #3	0	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** 27.22 | 5.95

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
7.875	0	1300	2.441	2.875	6.4	TBG	181	181	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 Liner	0			2.875	8RD	WATER BASED	9.1

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	8456	2000	2360	2000	Transport
		Fresh Water	8.34								

Circulation Prior to Job

Circulated Well: Rig ☐ BJ ☐ Circulation Time: 0 Circulation Rate: 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 ☒ YES ☐ Units: Solids Present at End of Circulation: NO ☒ YES ☐

Displacement And Mud Removal

Displaced By: Rig ☐ BJ ☒ Amount Bled Back After Job: 0 BBLS

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

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

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

Centralizers: ☒ NO ☐ YES Quantity: Type: ☐ BOW ☐ RIGID

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

Plugs

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

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

Was There a Bottom: ☒ 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: ☒ NO ☐ YES Bond Log: ☒ NO ☐ YES PSI Applied: 0 Fluid Weight: 0 LBS/GAL

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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

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   2000 PSI
CIRCULATING WELL - RIG [ ]   BJ [ ]

TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
16:46	0	0	0	0	N/A	Time arrived on location
16:50	0	0	0	0	N/A	Spot trucks / Pre rig up safety meeting
17:20	0	0	0	0	N/A	Pre job safety meeting
17:38	7046	0	0	0	WATER	Pressuer test
17:44	221	0	2.4	5	WATER	Fresh water
17:51	250	0	2.4	10	CEMENT	Batch yp weigh and pump 50 SXS of Class G Cement
18:00	220	0	1.1	1	WATER	Disaplcement
18:30	0	0	0	0	N/A	Pre rig down safety meeting
19:00	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]	0	Y [ ] [N]	0	16	0	Y [ ] [N]	