CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	EXTRACTION OIL AND GAS	DATE	30-MAY-15	F.R. #	10011158064	SERV. SUPV.	Daniel F Kuenz

LEASE & WELL NAME
WAAG #18 - API 05123403540000

LOCATION
19-7N-65W

COUNTY-PARISH-BLOCK
Weld Colorado

DISTRICT
Brighton

DRILLING CONTRACTOR RIG #
White Mountain R272

TYPE OF JOB
Surface

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
9-5/8" Top Cem Plug, Nitrile cvr, Phe	Float Collar, Pop Valve, 9-5/8 - 8rd						
	Guide Shoe, Cement Nose, 9-5/8 i						
	Stop Collar, 9-5/8 in						
	Centralizer, with Pins, 9-5/8 in						
	Thread Locking Compound						

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 + Dye			8.34				10	
III+.08%St+1.5%CaCl+.15#skCF+.01gpsFP6L		390	14.5	1.41	6.82	02:20	97.9	63.48
Fresh Water			8.34				67	

Available Mix Water **100** Bbl.   Available Displ. Fluid **100** Bbl.   **TOTAL** 174.9 | 63.48

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
13.5	20	909	8.921	9.625	36	CSG	907	907	J-55	907	866	1

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			9.625	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	
67	BBLS	Fresh Water	8.34	269	0	0	0	0	3520	2816	Rig Tanks

Circulation Prior to Job

Circulated Well:	Rig [X]	BJ [ ]	Circulation Time: .25	Circulation Rate: 4.8 BPM	
Mud Density In: 8.4 LBS/GAL		Mud Density Out: 8.4 LBS/GAL	PV & YP Mud In: 9	PV & YP Mud Out: 9	
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: .25 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 [ ] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [ ] NO [X] YES   Quantity: 9   Type: [ ] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [X] MANIFOLD [ ] 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: FT   Bottom of Plug: 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: Fluid Weight: LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: PSI   With   LBS/GAL Mud   Time Held: Hours Minutes

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Rig just getting ready to run casing when we arrived on location

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Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: FT	Target EMW: LBS/GAL	Actual EMW: LBS/GAL
Number of Times Tests Conducted:	Mud Weight When Test was Conducted: 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** 3796 **PSI**
						CIRCULATING WELL - RIG [X] **BJ** [ ]
16:30						YARD CALL
18:30						PRE-JOB CONVOY SAFETY MEETING
18:45						DEPART BHI YARD
19:45						ARRIVE ON LOCATION, ALL EO'S OFF DUTY WELLSITE
18:15						RIG STARTED RUNNING CASING
21:00						CHECK IN WITH COMPANY MAN
21:05						ALL EO'S BACK ON DUTY
21:10						SAFETY WALK AROUND ON LOCATION
21:15						PRE-RIG UP SAFETY MEETING
21:25						SPOT CEMENT EQUIPMENT ON LOCATION
22:00	100	0	4.9	75	H2O	CASING LANDED, RIG CIRCULATING
22:20						STAB CEMENT HEAD
22:30						PRE-JOB SAFETY MEETING
22:36	6	0	1.2	2	H2O	LOAD LINES, FRESH WATER
22:38	3796	0	0	0	H2O	PRESSURE TEST HARD LINES
22:44	96	0	4.1	10	H2O	FRESH WATER w/ DYE SPACER
22:47	0	0	0	0	CEMENT	BATCH UP CEMENT 14.5#
22:52	309	0	4.6	50	CEMENT	390sks TYPE III @ 14.5# CEMENT SLURRY
23:09	96	0	2.9	47.9	CEMENT	390sks TYPE III @ 14.5# CEMENT SLURRY
23:26	0	0	0	0	CEMENT	SHUT DOWN, DROP TOP PLUG
23:33	69	0	3.6	30	H2O	FRESH WATER DISPLACEMENT
23:41	196	0	4.9	30	H2O	FRESH WATER DISPLACEMENT
23:48	369	0	1.9	7	H2O	SLOW RATE, FRESH WATER DISPLACEMENT
23:52	1016	0	0	0	H2O	BUMP PLUG 500 psi OVER FINAL LIFT PRESSURE
23:54	1006	0	0	0	H2O	TEST FLOATS, BLEED OFF PRESSURE
23:56	0	0	0	0	H2O	FLOATS HELD, 1/4 bbls FLOWED BACK
23:57						SHUT DOWN, TURNED WELL BACK OVER TO RIG
23:59						POST-JOB SAFETY MEETING, RIG DOWN
00:05						WASH UP RIG'S CELLAR PUMPS
						9 bbls OF CEMENT BACK TO SURFACE
						TOP OF CEMENT @ SURFACE
						THANK YOU FOR YOUR SAFE WORK, GOOD COMMUNICATION & COOPERATION !!!!!! DANIEL & THE CREW
00:30						POST-JOB CONVOY SAFETY MEETING
00:45						DEPART LOCATION
01:45						ARRIVE BACK ON BHI YARD

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TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
	PIPE	**ANNULUS**				SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 3796 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]

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	1016	[Y] N	9	174.9	0	Y [N]	