CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	DATE	F.R. #	SERV. SUPV.
TEKTON ENERGY LLC	02-FEB-14	10011043646	RYAN SULLIVAN

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
KODAK #11 7-3-28-270-4-CH - API 0512337251000	27-6N-67W	Weld Colorado
DISTRICT	**DRILLING CONTRACTOR RIG #**	**TYPE OF JOB**
Brighton	Frontier 10	Intermediate

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 7 in	Centralizer, with Pins, 7 in						
	Float Shoe 7 - BTC						
	Float Collar, Pop Valve, 7, BTC						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES: SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Treated Water	N/A	0	8.34	0	0	00:00	10	
UltraFlush Spacer	N/A	0	11.5	0	0	00:00	20	
PLC + Adds	C01-109-14	546	12.7	1.86	9.99	03:16	180.9	130.18
50:50 + Adds	C01-109-14	196	14.4	1.45	6.34	02:59	50.6	29.58
Fresh Water	N/A	0	8.34	0	0	00:00	284.7	
						TOTAL	546.2	159.76

Available Mix Water 500 Bbl. Available Displ. Fluid 500 Bbl.

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
8.75	20	7506	6.276	7	26	CSG	7486	7148	P-110	7486	7440	0

LAST CASING ID	OD	WGT	TYPE	MD	TVD	PKR-CMT RET-BR PL-LINER BRAND & TYPE	DEPTH	PERF. DEPTH TOP	BTM	TOP CONN SIZE	THREAD	WELL FLUID TYPE	WGT.
8.9	9.63	36	CSG	500	500	No packer	0	0	0	7	BTC	WATER BASED	10.1

DISPL. VOLUME VOLUME	UOM	DISPL. FLUID TYPE	WGT.	CAL. PSI BUMP PLUG	CAL. MAX PSI TO REV.	OP. MAX SQ. PSI	MAX TBG PSI RATED	Operator	MAX CSG PSI RATED	Operator	MIX WATER
284.7	BBLS	Fresh Water	8.34	1822	0	0	0	0	7968	3000	Rig tank

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: 1.75 | Circulation Rate: 6 BPM

Mud Density In: 10.1 LBS/G | Mud Density Out: 10.1 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: 2 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: [ ] NO [X] YES | Quantity: 59 | 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

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 PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 4386 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
12:00	0	0	0	0	N/A	Arrive on location, 38 miles, rig still running casing
12:10	0	0	0	0	N/A	Spot trucks on location, pre-rig up safety meeint & HRA
17:00	0	0	0	0	N/A	Pre-job safety meeting, wait on rig to continue circulating
18:14	80	0	.8	1	WATER	Load lines
18:16	1954	0	0	0	WATER	Low pressure test
18:18	4386	0	0	0	WATER	High pressure test
18:21	900	0	4.8	10	WATER	Freshwater spacer
18:27	651	0	3.4	20	ULTRA FLU	Ultra-flush spacer @ 11.5 ppg
18:35	401	0	4.9	175	CEMENT	Batch-up, weigh, & pump 546 sx of PLC + 0.7% FL-52 + 0.2% ASA-301 + 6% Bentonite @ 12.7 ppg
19:20	300	0	3.4	48	CEMENT	Mix & pump 196 sx of (50:50) Poz:G + 0.2% CD-32 + 0.5% FL-52 + 0.3% SMS + 20% S-8 @ 14.4 ppg
19:51	0	0	0	0	N/A	Release plug
19:57	221	0	6.9	115	WATER	Displace
20:17	504	0	6	135	WATER	Caught cement
20:39	1979	0	4.8	20	WATER	Rate change
20:44	2080	0	2.4	2	WATER	Rate change
20:45	0	0	0	0	N/A	Shut-down to redirect returns
20:47	1979	0	1.6	10.3	WATER	Rate change
20:51	2020	0	2	282.3	WATER	Bump plug to 2756 psi, 2 bbls bled back, floats held, 15 bbls ultra-flush to surface, continue into casing test for 15 minutes
21:08	0	0	0	0	N/A	Job done, pre-rig down safety meeting
22:30	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	2020	[Y] N	0	535.3	0	Y [N]	