CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	DATE	F.R. #	SERV. SUPV.
TEKTON ENERGY LLC	21-AUG-13	10011008900	AARON M MCWILLIAMS

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
PAVISTMA SOUTH 1 #1-5-32-090-4-NH - API 05123:	32-6N-67W	Weld Colorado
DISTRICT	**DRILLING CONTRACTOR RIG #**	**TYPE OF JOB**
Brighton	Frontier 10	Surface

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 9-5/8 in	Guide Shoe, Cement Nose, 9-5/8 i	None	0	0	None	0	0
None	Float Collar, Auto Fill, 9-5/8 - 8rd	None	0	0	None	0	0
	Centralizer, with Pins, 9-5/8 in	None	0	0	None	0	0

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
Fresh Water + Dye	0	0	8.34	0	0	00:00	30	
Surface Cement	0	268	14.5	1.41	6.82	00:00	67.11	43.52
Fresh Water	0	0	8.34	0	0	00:00	63.8	
						TOTAL	160.91	43.52

Available Mix Water 400 Bbl. Available Displ. Fluid 300 Bbl.

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
12.25	35	893	8.921	9.625	36	CSG	873	873	J-55	873	825	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.
						No packer	0			9.625	8RD	WATER BASED	9.2

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
61.5	BBLS	Fresh Water	8.34	265	0	0	0	0	2816	2000	Rig tank

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: 1 | Circulation Rate: 5 BPM

Mud Density In: 9.2 LBS/GAL Mud Density Out: 9.2 LBS/GAL | PV & YP Mud In: 5 | PV & YP Mud Out: 5

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: 1 BBLS

Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL | Method Used to Verify Returns: Visually

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: 8 | 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

PRESSURE/RATE DETAIL	EXPLANATION

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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

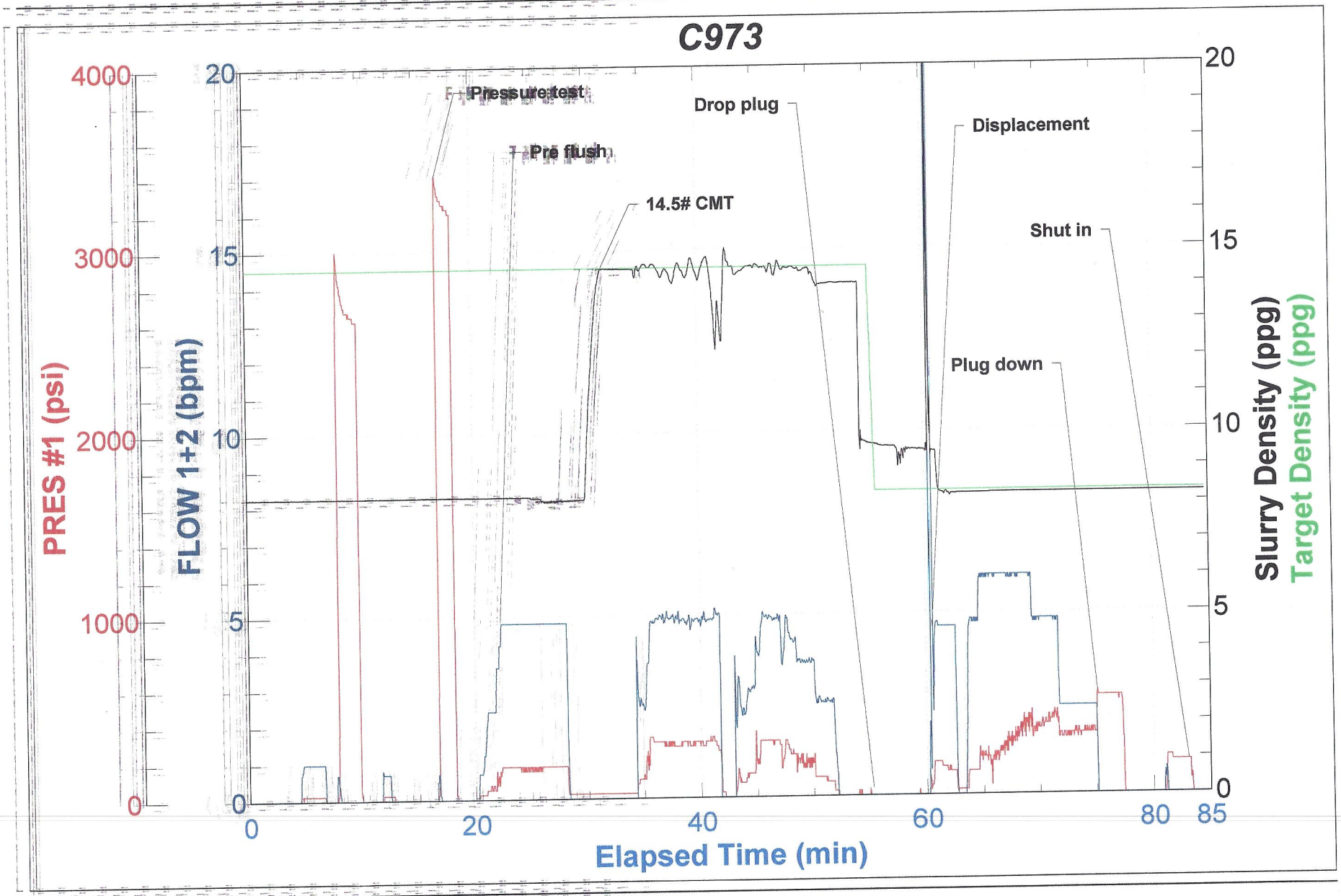
Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
None

PRESSURE/RATE DETAIL

TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
						SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 3421 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
08:00	0	0	0	0	N/A	Yard call
13:15	0	0	0	0	N/A	Leave yard
14:05	0	0	0	0	N/A	Arrive on location 37 miles
18:30	0	0	0	0	N/A	Spot trucks
18:40	0	0	0	0	N/A	Pre rig up safety meeting
19:50	0	0	0	0	N/A	Pre job safety meeting
20:09	43	0	1	2	H2O	Load pumps and lines
20:12	3421	0	0	0	H2O	Pressure test pumps and lines
20:24	178	0	4.8	20	H2O	Fresh water pre flush
20:30	178	0	4.8	10	H2O	Fresh water + Dye spacer
20:37	306	0	4.8	66	CMT	Batch up and pump 268 sks of TYPE III + 0.08 lbs/sack Static Free + 1.5% Cal + 0.15 lbs/sack Cello Flake 14.5 ppg 1.41 Yield 6.82 gps
20:57	0	0	0	0	N/A	Drop plug
21:02	382	0	6	40	H2O	Displacement
21:13	422	0	4.8	13	H2O	Displacement rate change
21:16	355	0	2.4	8.5	H2O	Displacement rate change
21:20	385	0	2.4	61.5	H2O	Bump plug
21:24	535	0	0	0	N/A	Plug down @ 61.5bbl's 13 bbl's of CMT back
21:23	0	0	0	0	N/A	Check floats Didn't hold
21:27	204	0	0	0	N/A	Shut in
21:28	0	0	0	0	N/A	Bleed pressure / 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	385	[Y] N	13	157.5	204	[Y] N	

Baker Hughes JobMaster Program Version 3.60
Job Number: 10011008900
Customer: Tekton
Well Name: Pavistma South 1 #1-5-32/090-4-NH



Job Start: Wednesday, August 21, 2013