CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	DATE	F.R. #	SERV. SUPV.
WHITING PETROLEUM CORP	19-AUG-12	1001929656	JEFFREY A ANDERSON

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
WILDHORSE #02-0214H - API 05123355000000	2-9N-59W	Weld Colorado
DISTRICT	**DRILLING CONTRACTOR RIG #**	**TYPE OF JOB**
Brighton	CADE 21	Long String

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 Collar, Auto Fill, 7 - 8rd						
	Float Shoe 7 - 8rd						

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		0	8.34	0	0	00:00	20	
Mud Clean I		0	8.34	0	0	00:00	20	
Fresh Water		0	8.34	0	0	00:00	20	
(35:65) Poz:G+LW6+.1%R3+1%FL25+.5%SMS+5%CSI	C08-069-12	367	10.5	2.64	8.86	05:37	172.37	77.44
Fresh Water		0	8.34	0	0	00:00	237.05	
(35:65) Poz:G+LW6+1%FL25+.5%SMS+20%SS+5%CS	C08-069-12	103	10.5	3.12	10.49	04:37	57.21	25.73
						TOTAL	526.63	103.17

Available Mix Water 500 Bbl. Available Displ. Fluid 250 Bbl.

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
8.75	0	6436	6.184	7	29	CSG	6426	6426	L-80	6426	6381	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	1500	1500	No Packer	0	0	0	7	8RD	WATER BASED	9.9

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
237	BBLS	Fresh Water	8.34	715	0	0	0	0	6528	4000	Round water tank

Circulation Prior to Job

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

Mud Density In: 9.9 LBS/GAL Mud Density Out: 9.9 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: 2 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 [X] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [ ] NO [X] YES | Quantity: 20 | Type: [X] 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: 1500 PSI With 8.34 LBS/GAL Mud | Time Held: 00 Hours 30 Minutes

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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)
N/A

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
N/A

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
N/A

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

PRESSURE/RATE DETAIL

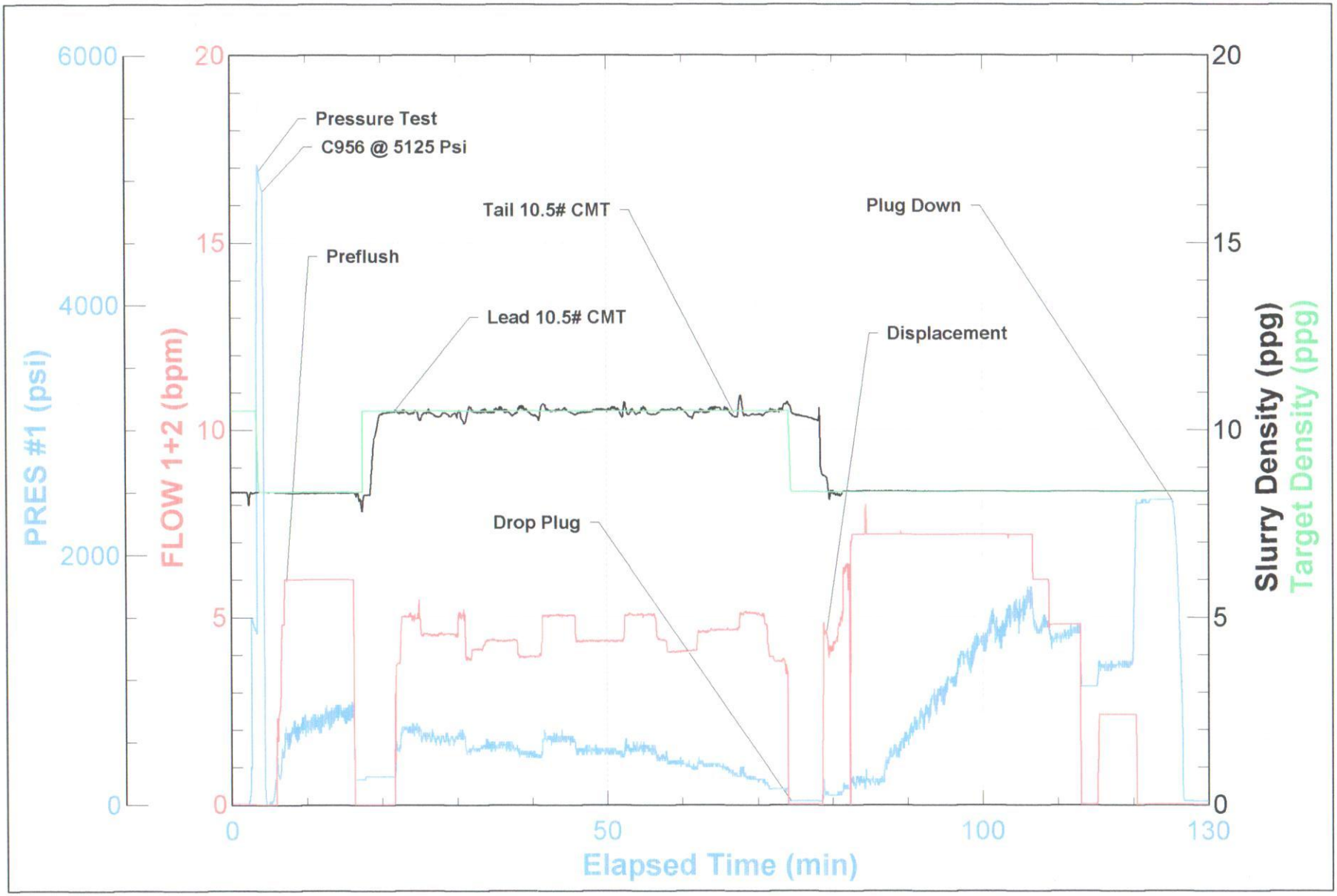
EXPLANATION

SAFETY MEETING: BJ CREW [X] CO. REP. [X]
TEST LINES 5000 PSI
CIRCULATING WELL - RIG [X] BJ [ ]

TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
05:15	0	0	0	0	N/A	Pre Rig Up Meeting
06:30	0	0	0	0	N/A	Safety Meeting
07:10	5125	0	0	0	WATER	Pressure Test
07:13	548	0	6	20	WATER	Fresh Water
07:17	623	0	6	20	WATER	Mud Clean I
07:20	747	0	6	20	WATER	Fresh Water
07:30	523	0	4.5	179	CEMENT	Batch up and pump Lead Slurry 367 sks @ 10.5 PPG of POZ G + 0.06 Lbs/Sk Static Free + 0.1% R-3 + 46.46% LW-6 + 1% FL-25 + 0.5% Sodium Metasilicate + 5% CSE-2 + 85% Fresh Water
08:09	300	0	4.1	58	CEMENT	Batch up and pump Tail Slurry 103 sks @ 10.5 PPG of POZ G + 1% FL-25 + 0.5% Sodium Metasilicate + 20% Silica Sand + 5% CSE-2 + 0.06 Lbs/Sk Static Free + 54.44% LW-6 + 100.6% Fresh Water
08:22	0	0	0	0	N/A	Drop Plug
08:26	200	0	7.2	110	WATER	Displacement
08:42	1021	0	7.2	80	WATER	Caught Cement
08:54	1469	0	6	14	WATER	Drop Rate
08:56	1344	0	4.8	19	WATER	Drop Rate
09:03	1145	0	2.4	14	WATER	Drop Rate
09:08	2504	0	0	0	N/A	Plug Down
09:20	1500	0	0	2	WATER	Casing Test
09:50	0	0	0	0	N/A	Job Done
09:55	0	0	0	0	N/A	Pre Rig Down 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	2500	[Y] N	3	534	0	Y [N]	Jeff Anderson

BJ Services JobMaster Program Version 3.50
Job Number: 1001929656
Customer: Whiting Petroleum
Well Name: Wildhorse 02-0214H



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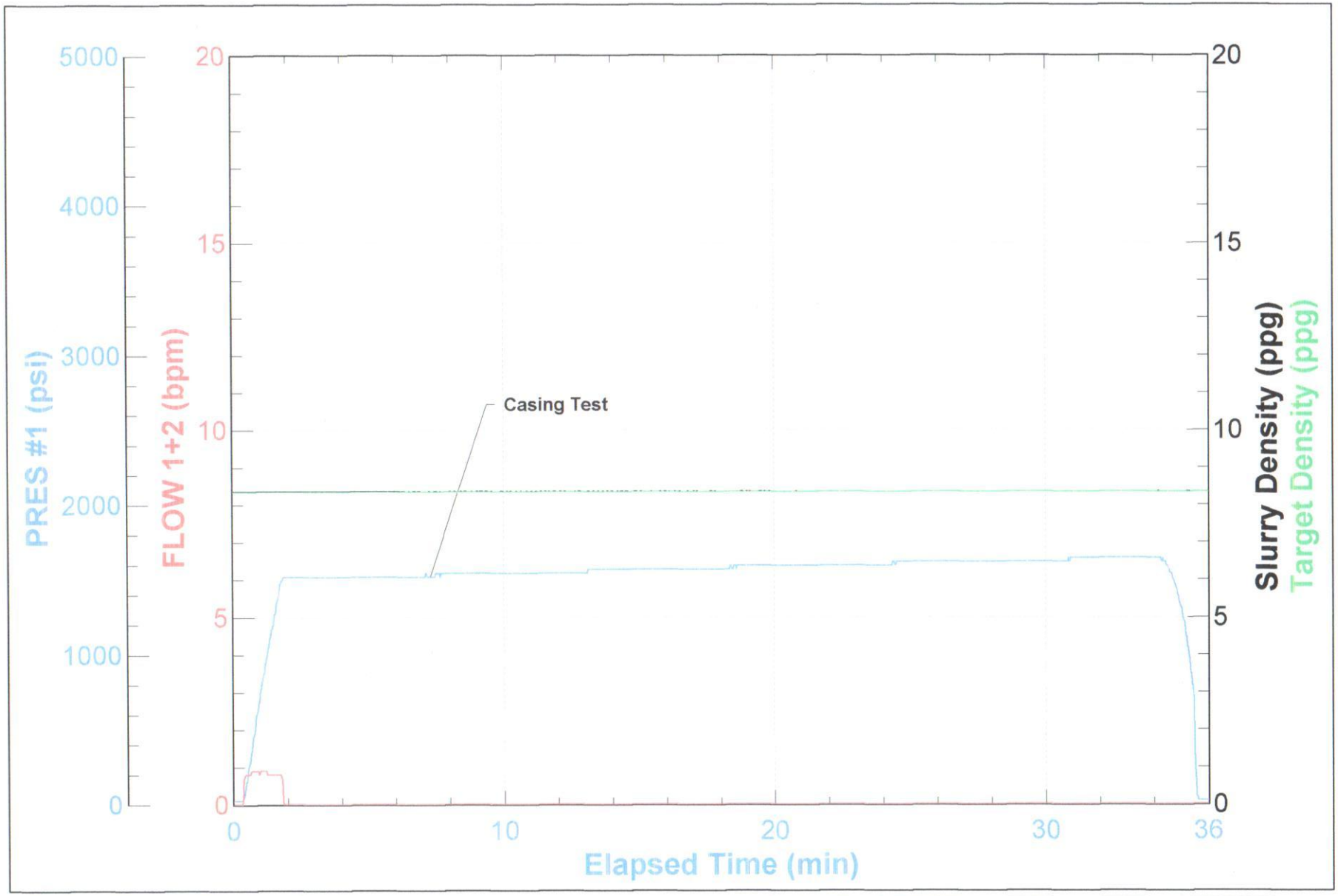
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