

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 28-JUL-13	F.R. # 10011004055		SERV. SUPV. CALEB C KINGSLEY	
LEASE & WELL NAME WILDHORSE #18-1834H - API 05123361230000		LOCATION 18-9N-59W		COUNTY-PARISH-BLOCK Weld Colorado		
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 23		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, Ph	Centralizer, with Pins, 9-5/8 in	none	0	0	none	0	0
	Cement Basket, Slip On, 9-5/8 in	none	0	0	none	0	0
	Float Collar, Auto Fill, 9-5/8 - 8rd	none	0	0	none	0	0
	Guide Shoe, Cement Nose, 9-5/8 i						

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	0	0	8.34	0	0	00:00	20		
Typelll+1%CaCl+.25CF	0	860	14.5	1.40	6.81	01:30	214.70	139.39	
Fresh water	0	0	8.34	0	0	00:00	139.5		
Available Mix Water 400 Bbl. Available Displ. Fluid 200 Bbl. TOTAL							374.20	139.39	

HOLE				TBG-CSG-D.P.						COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
13.5	0	1866	8.921	9.625	36	CSG	1851	1851	J-55	1851	1805	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 paker or cement retainer	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				
139.5	BBLS	Fresh water	8.34	571	0	0	0	0	3520	2816			FRAC TANK	

Circulation Prior to Job

Circulated Well: Rig ☒ BJ ☐ Circulation Time: 1.5 Circulation Rate: 5 BPM

Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 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: 1 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: 12 Type: ☒ BOW ☐ RIGID

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

Plugs

Number of Attempts by BJ: 0 Competition: 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

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 1500 PSI With 8.4 LBS/GAL Mud Time Held: 00 Hours 15 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		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	3452 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
00:40	0	0	0	0	NA	LEAVE THE DISTRICT	
02:35	0	0	0	0	NA	ARRIVE TO LOCATION	
05:45	0	0	0	0	NA	SPOT TRUCKS	
06:35	0	0	0	0	NA	SAFETY MEETING	
07:14	3452	0	.4	1	H2O	PRESSURE TEST	
07:20	137	0	6	10	H2O	FRESH WATER SPACER	
07:23	127	0	6	10	H2O	FRESH WATER SPACER WITH GREEN DYE	
07:25	0	0	0	0	NA	SHUT DOWN	
07:29	165	165	4.8	210	CMT	LEAD CMT BATCHED AND PUMPED AT 14.5 PPG	
08:13	0	0	0	0	NA	SHUT DOWN AND CLEAN UP THE PUMP	
08:17	0	0	0	0	NA	DROP PLUG	
08:27	216	0	4.8	80	H2O	START DISPLACEMENT WITH KONE WATER	
08:44	577	0	3.6	30	H2O	DROP RATE	
08:53	758	0	3.6	0	H2O	CMT TO SURFACE WITH 100 BBL OF DISPLACEMENT PUMPED. 40 BBL OF CMT TO SURFACE.	
08:55	706	0	2.4	30	H2O	DROP RATE	
09:08	977	0	2.4	0	H2O	FINAL LIFT	
09:08	1456	0	2.4	0	H2O	BUMP PLUG	
09:10	1420	0	0	0	H2O	BLEED OFF AND THE FLOATS DID HOLD	
09:16	1565	0	1	1	H2O	START 15 MIN. CASING TEST	
09:32	1550	0	0	0	H2O	BLEED OFF CASING TEST AND THE FLOATS DID HOLD	
09:35	0	0	0	0	NA	RIG DOWN	
10:15	0	0	0	0	NA	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:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	977	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	40	370	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>C. Chancy</i>