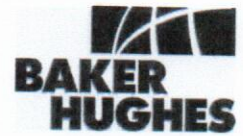


CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 19-AUG-13	F.R. # 10011008646		SERV. SUPV. STEVEN S ISCHE		
LEASE & WELL NAME RAZOR #27K-3406B - API 05123377080000		LOCATION 27-10N-58W		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, Phr		Float Collar, Ball Valve, 9-5/8 - 8rd		NONE		0 0 NONE 0 0	
		Float Shoe 9-5/8 - 8rd					
		Centralizer, Positive, 9-5/8 in					
		Cement Basket, Hinged, 9-5/8 in					
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES			
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	
Fresh water		N/A		0	8.34	0	
Type III + 1% CaCl ₂ .25CF		C0806513		759	14.5	1.40	
WATER BASED MUD		N/A		0	8.34	0	
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.		TOTAL		328.2 122.84	
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD TVD GRADE SHOE FLOAT STAGE
13.5	35	1500	8.921	9.625	36	CSG	1580 1580 J-55 1580 1536 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 PACKER	0 9.625 8RD WATER BASED 9.3
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 FRAC TANK
112.9	BBLS	WATER BASED MU	8.34	415	0	0	0 0 2360 1510
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1		Circulation Rate: 6 BPM	
Mud Density In: 9.3 LBS/GAL Mud Density Out: 9.3 LBS/GAL				PV & YP Mud In: 13		PV & YP Mud Out: 13	
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:				Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
Displacement And Mud Removal							
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 1 BBLS			
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: VISUAL			
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE							
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 14		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID	
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD							
Plugs							
Number of Attempts by BJ: 0 Competition: 0				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:			
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Top of Plug: 0 FT Bottom of Plug: 0 FT			
Squeezes (Update Original Treatment Report for Primary Job)							
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/> UNPLANNED <input type="checkbox"/>	
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 0		Fluid Weight: 0 LBS/GAL	
Casing Test (Update Original Treatment Report for Primary Job)							
Casing Test Pressure: 1491 PSI With 8.34 LBS/GAL Mud				Time Held: 00 Hours 15 Minutes			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE							

CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT
 Number of Times Tests Conducted: 0
 Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 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	2970 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
01:00	0	0	0	0	N/A	YARD CALL	
03:30	0	0	0	0	N/A	LEAVE YARD	
05:45	0	0	0	0	N/A	ARRIVE ON LOCATION	
05:45	0	0	0	0	N/A	SPOT TRUCKS (JUST STARTED RUNNING CASING)	
05:50	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
08:50	0	0	0	0	N/A	SAFETY MEETING WITH CREW	
09:03	24	0	1	2	H2O	LOAD LINES	
09:09	2970	0	0	0	H2O	PRESSURE TEST	
09:11	253	0	6	10	H2O	FRESH WATER SPACER	
09:14	255	0	6	10	H2O	DYE WATER SPACER	
09:17	298	0	4.9	175	CEMENT	BATCH UP, WEIGH AND SEND LEAD	
10:00	0	0	0	0	N/A	DROP PLUG	
10:03	574	0	6	65	WATER B/	DISPLACEMENT (CEMENT TO SURFACE AT 70 BBLS AWAY)	
10:14	672	0	4.8	40	WATER B/	RATE CHANGE	
10:24	623	0	2	12	WATER B/	RATE CHANGE	
10:33	1062	0	0	0	N/A	BUMP PLUG	
10:34	0	0	0	0	N/A	TEST FLOATS (FLOATS HELD)	
10:37	1491	0	0	0	H2O	CASING TEST	
10:52	1464	0	0	0	N/A	END CASING TEST AND RIG DOWN SAFETY MEETING	
11:30	0	0	0	0	N/A	LEAVE LOCATION	

BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1062	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 47	TOTAL BBL. PUMPED 314	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature:
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Load Sheet



FIELD RECEIPT DATE AUG-19-2013

FIELD RECEIPT DATE AUG-19-2013

[illegible]

COMMENTS: NONE

CUSTOMER SIGNATURE