

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM		DATE 27-AUG-13	F.R. # 10011010365		SERV. SUPV. BARLEN M JOYNER		
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 Liner			
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD TVD	
Cement Plug, Rubber, Top 4-1/2 in	Float Collar, Al Flap, 4-1/2 - 8rd	NONE	0	0	Liner	12367 12367	
	Float Shoe 4-1/2 - 8rd						
PHYSICAL SLURRY PROPERTIES							
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN Bbl SLURRY Bbl MIX WATER	
(50:50:2) + Adds	0	506	14.5	1.44	6.18	129.77 74.49	
Fresh Water	0	0	8.34	0	0 00:00	146	
Ultraflush II	0	0	12	0	0 00:00	20	
Fresh Water	0	0	8.34	0	0 00:00	10	
Fresh Water	0	0	8.34	0	0 00:00	120	
Drilling Mud	0	0	9.2	0	0 00:00	126	
Available Mix Water 500 Bbl.		Available Displ. Fluid 200 Bbl.		TOTAL		551.77 74.49	
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD TVD GRADE SHOE FLOAT STAGE
6	0	12383	4	4.5	11.6	CSG	12367 7278 N-80 12367 12319 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.
6.3	7	26	CSG	6323	5667	LINER	0 0 4 8RD WATER BASED 9.2
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
146	BBLS	Fresh Water	8.34	1200	0	0	0 0 6890 5000 RIG TANK
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1 Circulation Rate: 3 BPM			
Mud Density In: 9.2 LBS/GAL Mud Density Out: 9.2 LBS/GAL				PV & YP Mud In: 32 PV & YP Mud Out: 32			
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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input 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 checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Quantity:		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: 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		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 4586 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
12:00	0	0	0	0	N/A	YARD CALL
16:40	0	0	0	0	N/A	ARRIVE ON LOCATION (107 MILES) PULLING DRILL PIPE
18:30	0	0	0	0	N/A	RUNNING CASING IN THE HOLE
23:20	0	0	0	0	N/A	RIGGING DOWN CASERS
23:30	0	0	0	0	N/A	SPOT TRUCKS
23:40	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING
00:00	0	0	0	0	N/A	RUNNING DRILL PIPE INTO THE HOLE
02:28	0	0	0	0	N/A	DROP BALLS
02:50	0	0	0	0	N/A	SAFETY MEETING
03:15	4586	0	0	0	WATER	PRESSURE TEST
03:26	640	0	3.5	126	WATER	PUMP BALLS DOWN
04:05	1534	0	0	0	WATER	SEAT BALLS
04:13	2618	0	0	0	WATER	BLOW BALL SEAT
04:28	959	0	4.1	10	WATER	FRESH WATER SPACER
04:31	837	0	4.1	20	WATER	ULTRA FLUSH II
04:40	1060	0	4.9	125	CMT	BATCH UP, WEIGH AND PUMP 506 SX OF POZ/G + 0.2% R-3 + 0.2% FL-63 + 0.6% FL-52 + 3% BENTONITE + 20% S-8 + 0.2% BA-59 @ 14.5 PPG
05:11	0	0	0	0	N/A	RELEASE DART
05:19	288	0	5.4	21	WATER	START DISPLACEMENT
05:24	31	0	2.1	10	WATER	SLOW RATE
05:29	1489	0	4.9	105	WATER	INCREASE RATE
05:52	738	0	2	10	WATER	SLOW RATE
05:56	810	0	2	146	WATER	BUMP PLUG
05:56	1770	0	0	0	N/A	PLUG DOWN @ 146 BBLs
05:59	2946	0	0	0	WATER	PRESSURE UP ON RUPTURE DISC
06:06	636	0	.8	1	WATER	OVER DISPLACE BY 1 BBL
06:19	1527	0	0	0	WATER	TEST BACKSIDE
06:40	1302	0	6.1	120	WATER	FLUSH WELL
07:03	0	0	0	0	N/A	JOB DONE
07:05	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING
07:45	0	0	0	0	N/A	TIME OFF 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	810	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	10	547	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	