

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP			DATE 05-OCT-13		F.R. # 10011018097		SERV. SUPV. BARLEN M JOYNER							
LEASE & WELL NAME RAZOR #271-3414B - API 05123379010000			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			
Cement Plug, Rubber, Top 9-5/8 in		Float Collar, Al Flap, 9-5/8 - 8rd		NONE		0	0	NONE		0	0			
		Float Shoe 9-5/8 - 8rd												
		Cement Basket, Slip On, 9-5/8 in												
		Centralizer, with Pins, 9-5/8 in												
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				0	8.34	0	0	00:00	20	
Type III + Adds				0				688	14.5	1.40	6.81	01:30	171.76	111.51
Fresh water				0				0	8.34	0	0	00:00	121.2	
Fresh Water + Dye				0				0	8.34	0	0	00:00	10	
Available Mix Water 500 Bbl.				Available Displ. Fluid 350 Bbl.				TOTAL				322.96	111.51	
HOLE			TBG-CSG-D.P.							COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
13.5	0	1625	8.921	9.625	36	CSG	1614	1614	J-55	1614	1568	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 LINER	0			9.625	8RD	WATER BASED	8.7	
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				
121.2	BBLS	Fresh water	8.34	517	0	0	0	0	2890	1000	RIG TANK			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 5 BPM					
Mud Density In: 8.7 LBS/GAL Mud Density Out: 8.7 LBS/GAL						PV & YP Mud In: 0			PV & YP Mud Out: 0					
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: 12			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: 1537 PSI With 8.34 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 3313 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
00:30	0	0	0	0	N/A	YARD CALL
04:07	0	0	0	0	N/A	ARRIVE ON LOCATION (108 MILES) STILL DRILLING WELL
05:50	0	0	0	0	N/A	PULLING DRILL PIPE
08:15	0	0	0	0	N/A	RIGGING UP CASERS
09:00	0	0	0	0	N/A	STARTED RUNNING CASING
11:25	0	0	0	0	N/A	SPOT TRUCKS
11:30	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING
12:00	0	0	0	0	N/A	RIGGING DOWN CASERS
12:35	0	0	0	0	N/A	RIG UP HEAD AND MANIFOLD TO CIRCULATE WELL
13:00	0	0	0	0	N/A	SAFETY MEETING
13:15	3313	0	0	0	WATER	PRESSURE TEST
13:23	163	0	5.5	20	WATER	FRESH WATER SPACER
13:28	157	0	5.5	10	WATER	FRESH WATER + DYE
13:30	265	0	4.7	167	CMT	BATCH UP, WEIGH AND PUMP 688 SX OF TYPE III + 0.08 LBS/SACK STATIC FREE + 1% CACL2 + 0.25 LBS/SACK CELLO FLAKE @ 14.5 PPG
14:12	0	0	0	0	N/A	RELEASE PLUG
14:15	170	0	6.5	111	WATER	START DISPLACEMENT
14:35	576	0	2.4	10	WATER	DROP RATE
14:39	671	0	2.4	121	WATER	BUMP PLUG
14:39	971	0	0	0	N/A	PLUG DOWN @ 121 BBLS
14:43	1537	0	0	0	WATER	START CASING TEST
14:58	1539	0	0	0	N/A	END CASING TEST
15:00	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING
18:00	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	671	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	25	318	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	