

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 05-OCT-14	F.R. # 10011105692		SERV. SUPV. BRYAN J BARBARIGOS									
LEASE & WELL NAME RAZOR #21B-0910 - API 05123395320000		LOCATION 21-10N-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 Shoe 9-5/8 - 8rd		NONE		0	0	NONE		0	0			
		700-LAP-PVTS Float Collar, 9-5/8 inc												
		Centralizer, with Pins, 9-5/8 in												
		Cement Basket, Slip On, 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				N/A				0	8.34	0	0	00:00	15	
Type III + Adds				N/A				754	14.5	1.40	6.80	01:30	188.24	122.03
Fresh water				N/A				0	8.34	0	0	00:00	0	
Available Mix Water 800 Bbl.		Available Displ. Fluid 500 Bbl.		TOTAL		203.24		122.03						
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
13.5	25	1770	8.921	9.625	36	CSG	1748	1748	J-55	1748	1704	1		
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	8RND	WATER BASED	9
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			
131.7	BBLS	Fresh water		8.34	544	0	0	0	0	2816	2000	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: 9 LBS/GAL				Mud Density Out: 9 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 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 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: 1536 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)
COULD NOT RECIEVE ANY PRODUCT FROM SECOND BULK TRUCK/ SHUT DOWN/ CLEANED UP PRODUCT LINES ON BULK TRUCK AND PUMP OUT OF CHUNKS OF CEMENT/ BATCHED UP/WENT DOWN HOLE/ LOST DENSITY/ CLEANED UP PRUDUCT LINES AGAIN/COULD NOT GET SLURRY UP TO WEIGH.WENT TO TALK TO CUSTOMER/ CUSTOMER DECIDED TO CIRCULATE CEMENT OUT THE HOLE/ RIG TOOK OVER. CALLED YARD FOR NEW CEMENT. BULK TRUCK DRIVER CALLED/ TRUCK BROKE DOWN 0/5 MILE FROM LOCATION. CALLED YARD FOR MECHANIC/ GOT INSTRUCTED TO CALL TOW TRUCK.

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 3024 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
08:07	0	0	0	0	N/A	LEAVE DISTRICT	
10:27	0	0	0	0	N/A	ARRIVE ON LOCATION, 102 MILES/ RIG IS RUNNING CASING	
10:47	0	0	0	0	N/A	SPOT TRUCKS	
11:00	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
12:39	0	0	0	0	N/A	PRE JOB SAFETY MEETING	
13:08	15	0	2	2	H2O	LOAD LINE	
13:13	3022	0	.4	.1	H2O	PRESSURE TEST	
13:18	259	0	6.5	15	H2O	FRESH WATER SPACER + DYE	
13:23	317	0	5.1	88	CMT	BATCHWEIGH/PUMP 380 SX OF CEMENT @ 14.5 PPG	
14:19	0	0	0	0	N/A	COULD NOT RECIEVE ANY PRODUCT FROM SECOND BULK TRUCK/ SHUT DOWN/ CLEANED UP PRODUCT LINES ON BULK TRUCK AND PUMP OUT OF CHUNKS OF CEMENT/ BATCHED UP/WENT DOWN HOLE/ LOST DENSITY/ CLEANED UP PRUDUCT LINES AGAIN/COULD NOT GET SLURRY UP TO WEIGH	
14:21	0	0	0	0	N/A	WENT TO TALK TO CUSTOMER/ CUSTOMER DECIDED TO CIRCULATE CEMENT OUT THE HOLE/ RIG TOOK OVER	
14:23	0	0	0	0	N/A	CALLED YARD FOR NEW CEMENT	
21:17	0	0	0	0	N/A	BULK TRUCK DRIVER CALLED/ TRUCK BROKE DOWN 0/5 MILE FROM LOCATION	
21:51	0	0	0	0	N/A	CALLED YARD FOR MECHANIC/ GOT INSTRUCTED TO CALL TOW TRUCK	
22:05	0	0	0	0	N/A	CALLED TOWING COMPANY	
00:58	0	0	0	0	N/A	TOW TRUCK ARRIVED WITH BULK TRUCK/ SPOT BULK TRUCK	
03:21	0	0	0	0	N/A	COMPRESSOR TRAILER ARRIVED FOR BACK UP	
03:51	0	0	0	0	N/A	ALL EQUIPMENT RIGGED UP/ CREW IS READY FOR CEMENT JOB/ RIG TOTAL WAIT TIME 11 HOURS	
04:02	0	0	0	0	N/A	PRE JOB SAFETY MEETING	
04:32	48	0	1.4	2	H2O	LOAD LINE	
04:36	3024	0	.4	.1	H2O	PRESSURE TEST	
04:39	215	0	5.4	20	H2O	FRESH WATER SPACER + DYE	
04:49	351	0	5.2	186	CMT	BATCHWEIGH/PUMP 754 SX OF CEMENT @ 14.5 PPG	
05:34	0	0	0	0	N/A	SHUT DOWN/ DROP PLUG	
05:42	475	0	7.2	50	H2O	DISPLACEMENT	
05:54	747	0	5.2	60	H2O	SLOW RATE	
06:06	778	0	2.6	21	H2O	SLOW RATE	
06:13	1451	0	0	131	N/A	BUMP PLUG	
06:18	0	0	0	0	N/A	CHECK FLOATS/ FLOATS HELD	

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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 3024 PSI		
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		
06:24	1536	0	1	1	H2O	CASING TEST		
06:40	0	0	0	0	N/A	BLEED OFF		
06:49	0	0	0	0	N/A	RIG DOWN SAFETY 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	<u>Service Supervisor Signature:</u>
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	778	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	39	338	0	Y <input checked="" type="checkbox"/> N		

