

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 29-AUG-14		F.R. # 10011094797		SERV. SUPV. Anthony J Staples	
LEASE & WELL NAME RAZOR #21C-0906 - API 05123395240000		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
9-5/8" Top Cem Plug, Nitri cvr, Phen		700-LAP-PVTS Float Collar, 9-5/8 in					
		Cement Basket, Slip On, 9-5/8 in					
		Centralizer, with Fins, 9-5/8 in					
		Float Shoe 9-5/8 - 8rd					
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES			
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS
Fresh Water		NA		0	8.34	0	00:00
Type III + Adds		NA		754	14.5	1.40	01:08
Fresh water		NA		0	8.34	0	00:00
Available Mix Water 550 Bbl.		Available Displ. Fluid 500 Bbl.		TOTAL		331.57	122.21
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD
13.5	25	1755	8.921	9.625	36	CSG	1744
				TVD	GRADE	SHOE	FLOAT
						1744	1697
				STAGE	0		
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT	TYPE	MD	TVD	SIZE	THREAD
						9.625	8 RND
		NO PACKER		0		WATER BASED	
						WELL FLUID	WGT.
							8.7
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
130	BBLS	Fresh water	8.34	511	0	0	0
				MAX CSG PSI	MAX TBG PSI	MAX CSG PSI	MIX WATER
						2816	2000
						Rig	
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1			
Mud Density In: 8.7 LBS/GAL				Mud Density Out: 8.7 LBS/GAL			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				Units:			
PV & YP Mud In:				PV & YP Mud Out:			
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: .5 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: 11			
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID			
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: 1510 PSI				With 8.7 LBS/GAL Mud			
Time Held: 00 Hours 15 Minutes							
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Running Casing							

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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 3080 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
21:45	0	0	0	0	NA	Arrive on location			
23:40	0	0	0	0	NA	Spot trucks			
23:42	0	0	0	0	NA	Pre rig-up safety meeting			
01:10	0	0	0	0	NA	Pre-job safety meeting			
01:40	0	0	.8	2	H2O	Load lines			
01:43	3080	0	0	0	H2O	Pressure test			
01:47	235	0	4.8	15	H2O	Pump dye spacer			
01:53	0	0	0	0	CMT	Batch up cement			
02:06	130	0	3	0	CMT	Pump cement (Type III cement + 0.08 lbs/sack static free + 1% BWOC CaCl + 0.25 lbs/sack cello flake + 60.4% Fresh Water)			
02:40	202	0	4.2	196	CMT	Pump rate change			
03:01	0	0	0	0	NA	Dropped plug			
03:08	230	0	4.8	130	MUD	Displace cement			
03:38	690	0	3.6	0	MUD	Final lift			
03:38	1322	0	0	0	MUD	Bump plug			
03:41	0	0	0	0	NA	Check floats 0.5 bbls back			
03:42	1510	0	0	0	H2O	Casing test			
03:57	0	0	0	0	NA	End casing test			
04:10	0	0	0	0	NA	Shut down			
<div><div><div>BUMPED PLUG</div><div><input type="checkbox"/> Y<input type="checkbox"/> N</div></div><div><div>PSI TO BUMP PLUG</div><div>1322</div></div><div><div>TEST FLOAT EQUIP.</div><div><input type="checkbox"/> Y<input type="checkbox"/> N</div></div><div><div>BBL.CMT RETURNS/ REVERSED</div><div>25</div></div><div><div>TOTAL BBL. PUMPED</div><div>347.8</div></div><div><div>PSI LEFT ON CSG</div><div>0</div></div><div><div>SPOT TOP OUT CEMENT</div><div><input type="checkbox"/> Y<input type="checkbox"/> N</div></div><div><div>Service Supervisor Signature:</div><div></div></div></div>									

