

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 08-SEP-13	F.R. # 10011012372	SERV. SUPV. STEVEN S ISCHE									
LEASE & WELL NAME RAZOR #27K-3408B - API 05123376970000		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, Phc		Guide Shoe, Cement Nose, 9-5/8 i		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 FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER			
Fresh water		N/A		0	8.34	0	0	00:00	20				
TypeIII+1%CaCl+.25CF		N/A		667	14.5	1.40	6.81	02:22	150	97.39			
Fresh water		N/A		0	8.34	0	0	00:00	118				
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.		TOTAL				288	97.39				
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
13.5	25	1500	8.921	9.625	36	CSG	1578	1578	J-55	1578	1534	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	9.5
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		
118	BBLS	Fresh water		8.34	490	0	0	0	0	2360	1564	FRAC TANK	
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 4 BPM					
Mud Density In: 9.5 LBS/GAL				Mud Density Out: 9.5 LBS/GAL				PV & YP Mud In: 16			PV & YP Mud Out: 16		
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: 2 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: 13				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: 1564 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	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	3350 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
14:00	0	0	0	0	N/A	YARD CALL	
16:53	0	0	0	0	N/A	LEAVE YARD	
18:50	0	0	0	0	N/A	ARRIVE ON LOCATION	
21:00	0	0	0	0	N/A	SPROT TRUCKS AND PRE RIG UP SAFTY MEETING	
00:30	0	0	0	0	N/A	SAFTY MEETING WITH CREW	
00:51	26	0	1	2	H2O	LOAD LINES	
00:56	3350	0	0	0	H2O	PRESSURE TEST	
00:58	200	0	6	10	H2O	FRESH WATER SPACER	
01:00	218	0	6	10	H2O	DYE WATER SPACER	
01:05	218	0	3.6	150	CEMENT	BATCH UP, WHEIGH AND SEND 14.5# LEAD	
01:50	0	0	0	0	N/A	DROP PLUG	
01:55	585	0	6	90	H2O	DISPLACEMENT	
02:11	659	0	4.8	20	H2O	RATE CHANGE	
02:15	585	0	2	8	H2O	RATE CHANGE	
02:19	1099	0	0	0	N/A	BUMP PLUG	
02:22	0	0	0	0	N/A	TEST FLOATS AND RIG DOWN SAFTY MEETING	
02:25	1564	0	0	0	H2O	CASING TEST	
02:40	0	0	0	0	N/A	END CASING TEST AND RIG DOWN SAFTY MEETING	
03:30	0	0	0	0	N/A	LEAVE LOCATION	

BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1099	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 9	TOTAL BBL. PUMPED 290	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature:
--	--------------------------------	---	--------------------------------------	--------------------------------	----------------------------	--	-------------------------------