

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 29-AUG-13	F.R. # 10011010515		SERV. SUPV. STEVEN S ISCHE		
LEASE & WELL NAME RAZOR #27K-3407A - API 05123367730000		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		Float Collar, Ball Valve, 9-5/8 - 8rd		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 FT³	
Fresh water		N/A		0	8.34	0	
TypeIII+1%CaCl+.25CF		27L-3401B		667	14.5	1.40	
Fresh water		N/A		0	8.34	0	
Available Mix Water 300 Bbl.		Available Displ. Fluid 171 Bbl.		TOTAL		297 102.58	
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	1577 1577 J-55 1577 1530 0
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH	
ID	OD	WGT	TYPE	MD	TVD	TOP CONN WELL FLUID	
						BRAND & TYPE DEPTH TOP BTM SIZE THREAD TYPE WGT.	
						NO PACKER 0 9.625 8RD WATER BASED 9.2	
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 Operator
119	BBLS	Fresh water	8.34	413	0	0	0 0 2360 1489 RIG
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: 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: V ISUAL			
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: 1489 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 3371 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
00:30	0	0	0	0	N/A	YARD CALL	
02:40	0	0	0	0	N/A	LEAVE YARD	
04:40	0	0	0	0	N/A	ARRIVE ON LOCATION	
04:45	0	0	0	0	N/A	SPOT TRUCKS	
07:30	0	0	0	0	N/A	PRE RIG UP SAFTY MEETING	
09:45	0	0	0	0	N/A	SAFTY MEETING WITH CREW	
10:19	0	0	1	2	H2O	LOAD LINES	
10:26	3371	0	0	0	H2O	PRESSURE TEST	
10:28	96	0	5.4	10	H2O	FRESH WATER SPACER	
10:30	47	0	5.4	10	H2O	WATER SPACER WITH SAW DUST	
10:36	243	0	5	158	CEMENT	BATCH UP, WHEIGH AND SEND LEAD (PROBLEMS WITH FICHER PUMP AND PRODUCT DELIVERY ISSUES)	
11:48	0	0	0	0	N/A	DROP PLUG	
10:36	512	0	6	90	H2O	DISPLACEMENT	
12:07	487	0	3.6	20	H2O	RATE CHANGE	
12:13	585	0	2	9	H2O	RATE CHANGE	
12:22	927	0	0	119	N/A	BUMP PLUG	
12:25	0	0	0	0	N/A	TEST FLOATS	
12:30	1489	0	0	0	H2O	CASING TEST	
12:45	1489	0	0	0	N/A	END CASING TEST RIG DOWN SAFTY MEETING	
13:30	0	0	0	0	N/A	LEAVE 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	927	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	35	299	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	