

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM			DATE 22-AUG-13			F.R. # 10011008876			SERV. SUPV. FELIPE LANDA					
LEASE & WELL NAME RAZOR #27K-3406B - API 05123377080000			LOCATION 27-10N-58W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Cade 23			TYPE OF JOB Intermediate								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS			MD	TVD	HANGER TYPES		MD	TVD	
Cement Plug, Rubber, Top 7 in		Centralizer, with Pins, 7 in												
		Float Collar, Auto Fill, 7 - 8rd												
		Float Shoe 7 - 8rd												
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
Ultra Flush II Spacer								0	10.5	0	0	00:00	20	
(35:65) Poz:G+LW6+.1%R3+1.2%FL25+.5%SMS+5%								325	10.5	2.64	8.86		152.79	68.60
Fresh Water				0				0	8.34	0	0		228.84	
(35:65) Poz:G+LW6+1.2%FL25+.5%SMS+20%SS+5%								107	10.5	3.12	10.49		59.48	26.74
Available Mix Water 400 Bbl.			Available Displ. Fluid 400 Bbl.			TOTAL					461.11	95.33		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	30	6340	6.184	7	29	CSG	6323	6323	N-80	6323	6276	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.	
8.9	9.63	36		1500	1500	NO PACKER	0	0	0	7	8RD	WATER BASED	9.8	
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				
228.8	BBLS	Fresh Water	8.34	228	0	0	0	0	8160	6528	TANK			
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: 9.8 LBS/GAL Mud Density Out: 9.8 LBS/GAL						PV & YP Mud In: 12			PV & YP Mud Out: 12					
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: 1.5 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 type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 38			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: 1509 PSI						With 9.8 LBS/GAL Mud			Time Held: 00 Hours 30 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	4093 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
16:00	0	0	0	0	NA	YARD CALL	
21:00	0	0	0	0	NA	ARRIVE ON LOCATION (RIG STILL NOT RUNNING CASING)	
12:30	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP SAFETY MEETING	
13:05	0	0	0	0	NA	SAFETY MEETING	
13:42	1911	0	0	0	H2O	LOW PRESSURE TEST	
13:45	4093	0	0	0	H2O	HIGH PRESSURE TEST	
14:00	310	0	3.6	20	H2O	ULTRA FLUSH II SPACER @ 10.5 PPG	
14:09	360	0	5	174	LEAD	325 SACKS OF 35:65:POZ(FLY ASH): CLASS "G" CEMENT + 0.06 LBS/SACK STATIC FREE + 0.1% R-3 + 46.46% LW-6 + 1.2% FL-25 + 0.5% SODIUM METASILICATE + 5% CSE-2 @ 10.5 PPG	
14:49	168	0	5	69	TAIL	107 SACKS OF 35:65:POZ(FLY ASH): CLASS "G" CEMENT + 0.06 LBS/SACK STATIC FREE + 54.44% LW-6 + 1.2% FL-25 + 0.5% SODIUM METASILICATE + 20% SILICA SAND, 100 MESH SACKED + 5% CSE-2 @ 10.5 PPG	
15:08	0	0	0	0	NA	DROP PLUG	
15:09	648	0	6	130	MUD	DISPLACE	
15:36	834	0	4	40	MUD	RATE CHANGE	
15:46	823	0	3.6	25	MUD	RATE CHANGE	
15:53	770	0	2.4	38	MUD	RATE CHANGE	
16:07	1400	0	2.4	0	MUD	BUMP PLUG @ 233 BBLs (83 BBLs CEMENT BACK TO SURFACE)	
16:10	0	0	0	0	NA	CHECK FLOATS	
16:12	1509	0	1.9	0	MUD	START CASING TEST	
16:27	1592	0	0	0	MUD	END OF CASING TEST	
16:33	0	0	0	0	NA	POST JOB 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	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1400	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	83	502	0	Y <input checked="" type="checkbox"/> N	