

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XN			DATE 06-SEP-13		F.R. # 10011011932		SERV. SUPV. VITALIJS A NEVERDASOV						
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 Liner						
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD	
Dart For Plug Catcher, 4-1/2 In		Float Shoe 4-1/2 - 8rd			Liner Packer		4798	4798	Liner		4777	4777	
		Float Collar, AI Flap, 4-1/2 - 8rd											
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES							
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
(50:50:2) + Adds				CO901713		502	14.5	1.44	6.20	06:00	128.65	74.10	
Fresh Water				N/A		0	8.34	0	0	00:00	169.76		
Ultraflush II				N/A		0	12	0	0	00:00	20		
Fresh Water				N/A		0	8.34	0	0	00:00	10		
Available Mix Water 600 Bbl.				Available Displ. Fluid 400 Bbl.				TOTAL		328.41		74.10	
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
6	15	12412	4	4.5	11.6	CSG	12402	12402	L-80	12402	12352	0	
			2.562	4	28	DP	4782	4782	S-90				
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.
6.3	7	29	CSG	6250	6250	LINER PACKER	4798	0	0	4	8RND	WATER BASED ML	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			
148.3	BBLS	Fresh Water	8.34	339	0	0	0	0	6224	3500	RIG TANK		
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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 4680 PSI							
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>							
04:15	0	0	0	0	N/A	LEAVE YARD							
06:25	0	0	0	0	N/A	ARRIVE LOCATION, 105 MILES/ RIG RUNNING DRILL PIPE							
06:45	0	0	0	0	N/A	SPOT TRUCKS							
07:00	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING							
11:20	0	0	0	0	N/A	PRE JOB SAFETY MEETING							
11:58	4680	0	.4	.3	H2O	PRESSURE TEST							
12:07	844	0	4	110	MUD	PUMP BALL DOWN							
12:34	1564	0	0	0	N/A	SEAT BALL							
12:38	2036	0	.5	.1	MUD	SHEER PINS							
12:42	1163	0	0	0	N/A	BLEED OFF							
12:47	2700	0	.7	1	MUD	BLOW BALL							
13:00	1067	0	4.8	20	H2O	FRESH WATER SPACER							
13:08	347	0	2.4	19	BAR	PUMP ULTRA FLUSH SPACER @ 12 PPG							
13:17	272	0	3.6	125	CMT	BATCH/WEIGH/PUMP CLASS G CEMENT + ADDS @ 14.5 BBLS							
13:55	0	0	0	0	N/A	SHUT DOWN/WASH PUMP/DROP DART							
14:10	645	0	4.8	21	H2O	DISPLACEMENT							
14:15	299	0	2.2	10	H2O	SLOW RATE							
14:20	844	0	2.2	1	H2O	PICK UP PLUG							

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	PIPE	ANNULUS				TEST LINES 4680 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
14:21	1140	0	4	103	H2O	PICK RATE UP
14:48	980	0	2	13	H2O	SLOW RATE
14:59	1415	0	0	148	N/A	BUMP PLUG
15:01	0	0	0	0	N/A	CHECK FLOATS/FLOATS HELD
15:06	3100	0	.8	2	H2O	BLOW RAPTURE DISC
15:09	0	0	0	0	N/A	BLEED OFF
15:16	0	2505	.7	1.5	H2O	BACK SIDE TEST
15:31	0	0	0	0	N/A	BLEED OFF
15:40	1064	0	6.2	160	H2O	ROLL HOLE CLEAN
16:06	0	0	0	0	N/A	SHUT DOWN
16:15	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	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	339	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1	586	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	