

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XN		DATE 10-SEP-13	F.R. # 10011012514		SERV. SUPV. REESE A ANDERSON	
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 Intermediate		

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD
Cement Plug, Rubber, Top 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 FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Ultra Flush II Spacer		0	0	10.5	0	0	00:00	20	
(35:65) Poz:G+LW6+.1%R3+1.2%FL25+.5%SMS+5%(0	307	10.5	2.64	8.86		144.32	64.80
Fresh Water		0	0	8.34	0	0	00:00	223.38	
(35:65) Poz:G+LW6+1.2%FL25+.5%SMS+20%SS+5%			98	10.5	3.12	10.49		54.48	24.49

Available Mix Water 500 Bbl. Available Displ. Fluid 500 Bbl. **TOTAL** 442.18 89.28

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75	35	6053	6.184	7	29	CSG	6053	5753	P-110			

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	9.625	36	CSG	1500	1500	NO PACKER	0	0	0	7	8 RD	WATER BASED ML	8.9

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	
223	BBLS	Fresh Water	8.34	2500	0	0	0	0	0	3000	FRAC 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 4097 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
11:00	0	0	0	0	NA	YARD CALL	
14:43	0	0	0	0	NA	LEAVE YARD	
16:55	0	0	0	0	NA	ARRIVE ON LOCATION	
20:32	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP MEETING/RIG UP	
21:50	0	0	0	0	NA	SAFETY MEETING	
22:54	4097	0	0	0	H2O	PRESSURE TEST	
23:01	218	0	3.6	20	H2O	ULTRA FLUSH II SPACER	
23:09	280	0	5	150	CMT	307 SACKS 10.5 PPG CEMENT	
23:47	153	0	5	56	CMT	98 SACKS 10.5 PPG CEMENT	
00:00	0	0	0	0	NA	DROP PLUG	
00:04	1429	0	7.2	130	MUD	DISPLACEMENT	
00:24	1372	0	5	40	MUD	RATE CHANGE	
00:34	1472	0	3.6	20	MUD	RATE CHANGE	
00:47	2647	0	3.6	223	MUD	BUMP PLUG/60 BBLS CEMENT RETURNED	
00:50	0	0	0	0	NA	BLEED OFF/TEST FLOATS	
00:55	1570	0	1.7	2	H2O	CASING TEST	
01:10	0	0	0	0	NA	BLEED OFF	
01:15	0	0	0	0	NA	PRE RIG DOWN MEETING/RIG DOWN	

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	PIPE	ANNULUS				TEST LINES 4097 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
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	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	60	449	0	Y <input checked="" type="checkbox"/> N	