

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XN		DATE 26-AUG-13	F.R. # 10011009920		SERV. SUPV. BARLEN M JOYNER	
LEASE & WELL NAME RAZOR #27L-3401B - API 05123377300000		LOCATION 27-10N-58W		COUNTY-PARISH-BLOCK Weld Colorado		
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 21		TYPE OF JOB Surface		

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 9-5/8 in	Float Collar, AI Flap, 9-5/8 - 8rd	NONE	0	0	NONE	0	0
	Float Shoe 9-5/8 - 8rd						
	Cement Basket, Slip On, 9-5/8 in						
	Centralizer, with Pins, 9-5/8 in						

MATERIALS FURNISHED BY BJ		LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh water	0	0	8.34	0	0	00:00	20		
TypeIII+1%CaCl+ .25CF	0	719	14.5	1.40	6.81	01:30	179.50	116.54	
Fresh water	0	0	8.34	0	0	00:00	118		
Fresh Water + Dye	0	0	8.34	0	0	00:00	10		
Available Mix Water 500 Bbl.		Available Displ. Fluid 350 Bbl.		TOTAL		327.50		116.54	

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
13.5	0	1585	8.921	9.625	36	CSG	1574	1574	J-55	1574	1526	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 LINER	0			9.625	8RD	WATER BASED ML	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	
118	BBLS	Fresh water	8.34	504	0	0	0	0	2780	2000	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	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
01:00	0	0	0	0	N/A	YARD CALL	
04:45	0	0	0	0	N/A	ARRIVE ON LOCATION (107 MILES) RIGGING UP CASERS	
08:20	0	0	0	0	N/A	RIG UP HEAD AND MANIFOLD TO CIRCULATE WELL	
08:35	0	0	0	0	N/A	SPOT TRUCKS	
08:40	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING	
09:00	0	0	0	0	N/A	SAFETY MEETING	
09:22	4198	0	0	0	WATER	PRESSURE TEST	
09:25	272	0	6	20	WATER	FRESH WATER SPACER	
09:30	270	0	6	10	WATER	FRESH WATER SPACER + DYE	
09:35	424	0	5.1	171	CMT	BATCH UP, WEIGH AND PUMP 719 SX OF TYPE III + 0.08 LBS/SACK STATIC FREE + 1% CACL2 + 0.25 LBS/SACK CELLO FLAKE @ 14.5 PPG	
10:13	0	0	0	0	N/A	RELEASE PLUG	
10:16	223	0	6	108	WATER	START DISPLACEMENT	
10:36	546	0	2.4	10	WATER	DROP RATE	
10:39	571	0	2.4	118	WATER	BUMP PLUG	
10:39	1042	0	0	0	N/A	PLUG DOWN @ 118 BBLS	
10:43	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING	

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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 4198 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
11:15	0	0	0	0	N/A	TIME OFF 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	571	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	30	319	0	Y <input checked="" type="checkbox"/> N	