

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 10-APR-13	F.R. # 1001978095	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME REFFNER 2308 #4-2HS - API 15155216310000	LOCATION 4-23S-8W		COUNTY-PARISH-BLOCK Reno Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # Patterson 264		TYPE OF JOB Intermediate

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
	No Shoe, Cust Sup						

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
SEALBOND, RIG TO PUMP			8.45				40	
15:85c,+0.01%staticfree,10%salt+0.25ppscelloflake,	125103016	200	12.4	2.45	13.52	04:07	87	64.18
50:50c,+0.01%staticfree,+5%salt,+0.25celloflake,+4p	125103018	150	14.2	1.32	5.65	04:12	35	20.03
WATER			8.34				154	
Available Mix Water <u>150</u> Bbl.		Available Displ. Fluid <u>300</u> Bbl.		TOTAL			<u>316</u>	<u>84.21</u>

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75		4098	6.276	7	26	CSG	4082	4082	L-80	4082	4032	

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		350	350			4600	4600	7	8RD	WATER BASED MU	9.4

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	
154	BBLS	WATER	8.34	900					7968	1600	RIG

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NO PROBLEMS

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 2500 PSI					
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>					
12:00	2700				H2O	TEST, START LEAD CEMENT @ 12.4#					
12:25	200		5	87	LEAD CMT	PUMP LEAD CEMENT, START TAIL CEMENT @ 14.2#					
12:35	250		5	35	TAIL CMT	PUMP TAIL CEMENT, DROP PLUG, START DISPLACEMENT					
12:55	450		5	60	H2O DISP	PUMP 60 BBL DISP, CAUGHT UP WITH CEMENT, CONTINUE DISPLACEMENT					
13:15	950		5	154	H2O DISP	PUMP CALCULATED DISPLACEMENT, BUMP PLUG @ 950 PSI, PRESSURED UP TO @ 1600 PSI, HOLD 10 MINUTES					
13:25	1600					HOLD @ 550 PSI OVER BUMP PRESSURE FOR 10 MINUTES, BLEED OFF TO CHECK FLOAT, FLOAT HOLDING					
						LEAD CEMENT : 15/85 CLASS C + 0.01% STATIC FREE + 10% SALT + 0.25 PPS CELLOFLAKE + 4 PPS KOLSEAL + 0.6% SMS + 8% GEL					
						TAIL CEMENT : 50/50 CLASS C + 0.01% STATIC FREE + 5% SALT + 0.25 PPS CELLOFLAKE + 4 PPS KOLSEAL + 0.3% FL-52 + 0.15% SMS + 2% GEL					
						THANK YOU FOR USING BAKER HUGHES, JIM AND CREW					

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	N 950	<input checked="" type="checkbox"/> Y	N 0	316	0	Y <input type="checkbox"/> N	