

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 23-NOV-12	F.R. # 1001947450	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME MORROW LAND 3007 #28-1 - API 1509522237000	LOCATION 28-30S-7W		COUNTY-PARISH-BLOCK Kingman Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # Patterson 264		TYPE OF JOB Surface

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
9-5/8" Top Cem Plug, Nitrile cvr, Ph	No Shoe, Cust supp						

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
H2O			8.34				20
CLASS C + ADDS		305	14.8	1.35	6.34		73 45.83
H2O			8.34				33
Available Mix Water 300 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL			126 45.83

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25		505	8.921	9.625	36	CSG	495	495	J-55	495	449	

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.	
										9.625	8RD	WATER BASED MU	8.6	

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	RIG
33	BBLs	H2O	8.34	200					2816	1060	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 6000 PSI	
13:15	6350				H2O	CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
13:30	110		4	20	H2O	TEST PUMP AND LINES, START H2O AHEAD	
13:45	230		4	73	CMT	PUMP H2O SPACER, START CMT @ 14.8#	
13:55	1060		4	33	H2O	PUMP CMT, DROP PLUG, START DISPLACEMENT	
14:13						PUMP DISP, BUMP PLUG, HOLD PRESSURE FOR 15 MIN	
						RELEASE PRESSURE, TEST FLOAT, HOLDING	
						CMT RETURNS TO SURFACE @ 66 BBL INTO CMT	
						@ 42 BBL CMT RETURNS	
						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 <input type="checkbox"/> N	175	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	42	124	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	