

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 18-DEC-12	F.R. # 1001953605	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME MORROW LAND 3007 #28-1H - API 1509522244000	LOCATION 28-30S-7W		COUNTY-PARISH-BLOCK Kingman Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # Patterson 264		TYPE OF JOB Liner

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 Spacer			8.45				40	
H50:50 + Additives		335	14.3	1.24	5.34	03:30	74	42.48
Displacement			8.34				109	
H2O			8.34				135	

Available Mix Water	250	Bbl.	Available Displ. Fluid	250	Bbl.	TOTAL	358	42.48
---------------------	-----	------	------------------------	-----	------	-------	-----	-------

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
6.125		8708	3.826	4.5	16.6	DP	4076	4076	J-55	8698	8608	
			4	4.5	11.6	CSG	8698	8698	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.
6.4	7	23		4692	4692					4.5	XO	WATER BASED MU	8.4

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	RIG
128.6	BBLs	Displacement	8.34	550	575				8552	3800	RIG
		H2O	8.34								

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 5000 PSI					
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input checked="" type="checkbox"/>					
16:35	5400				H2O	TEST PUMP AND LINES, START CEMENT @ 14.3 PPG					
16:55	200		3	74	CEMENT	PUMP CEMENT, SHUT DOWN AND DROP PLUG					
17:05	390		4	25	H2O DISP	25 BBL INTO DISPLACEMENT, CAUGHT UP TO CEMENT					
17:10	1600		4	40	H2O DISP	40 BBL INTO DISPLACEMENT, SHEAR PLUG, CONTINUE DISPLACEMENT					
17:30	950		3	109	H2O DISP	109 BBL DISPLACEMENT, BUMP PLUG, EASE PRESSURE UP TO 3800 PSI, HOLD 1 MINUTE, BLEED OFF TO DO PULL TEST					
17:50	350		4		CIRC OUT	AFTER PULL TEST, CIRC OUT, 135 BBL, ANNULAR CAPACITY PLUS 15 %					
						NO CEMENT RETURNS TO SURFACE DURING CIRCULATION					
18:20						RIG PRESSURE UP TO 4500 PSI, LEAKED OFF					
19:30	4500					PRESSURE UP TO 4500 PSI WITH CEMENT PUMP, HOLD FOR 15 MINUTES, HELD THE ALLOWABLE PRESSURE					
19:45						BLEED OFF PRESSURE, RIG DOWN					

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	550	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	318	0	Y <input type="checkbox"/> N	