

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 25-JAN-13	F.R. # 1001959704	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME NUNEMAKER 2509 #32-1H - API 15155216060000	LOCATION 32-25S-9W		COUNTY-PARISH-BLOCK Reno Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG #		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
SealBond Spacer, Pumped by Rig			8.45				40
H50:50,0.01%staticfree,3%salt,.1%r3,.5%f162,.6%sms		240	14.3	1.24	5.54	03:30	53 31.54
H2O			8.34				80
H2O TO CIRC OUT LONG WAY			8.34				130
H2O TO SHEAR BALL			8.34				59

Available Mix Water <u>200</u> Bbl.	Available Displ. Fluid <u>200</u> Bbl.	TOTAL	<u>362</u>	<u>31.54</u>
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HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
6.125		6744	3.826	4.5	16.6	DP	3560	3560	J-55	6600	6549	
			1	4.5	11.6	CSG	6600	6600	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		4215	4215						4.5	8RD	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	
80	BBLS	H2O	8.34	1200	500				8552	4505	RIG
		H2O TO CIRC OUT L	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	5500 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
01:10	3800				H2O	TEST, LEAKING, BLEED OFF AND RE-TEST	
01:15	4750				H2O	RE-TEST, LEAKING, BLEED OFF AND RE-TEST	
01:20	5500				H2O	TEST, HOLDING, START PUMPING H2O TO SEAT BALL	
01:35	375		5	50	H2O	PUMP 50 BBL H2O TO SEAT BALL, SLOW RATE, CONTINUE PUMPING	
01:40	3350		2.5	59	H2O	PUMP 59 BBL H2O, SEAT BALL, SET TOOL	
02:00	4050		.5		H2O	TOOL SET, PRESSURE UP TO SHEAR TOOL, BLEED OFF AND SWAP TO RIG FOR THEM TO PUMP 40 BBL SEALBOND SPACER	
02:35	290		4	53	CEMENT	RIG PUMP SPACER, START CEMENT @ 14.3#, SHUT DOW, WASH TRUCK TO HALF PIT, DROP PLUG, START DISPLACEMENT	
03:00	155		5.3	25	H2O	25 BBL INTO DISPLACEMENT, CAUGHT CEMENT, CONTINUE DISPLACEMENT	
03:05	1450		5	33	H2O	33 BBL INTO DISPLACEMENT, SHEAR PLUG THROUGH DRILL PIPE, CONTINUE DISPLACEMENT	
03:15	400		3	80	H2O	80 BBL INTO DISPLACEMENT, BUMP PLUG @ 400 PSI, TOOK PRESSURE UP TO @ 1900 PSI (1500 PSI OVER BUMP). HOLD 3 MINUTES, BLEED OFF, PRESSURE BACKSIDE UP TO @ 4500 PSI, HOLD	
04:15	4500					HELD PRESSURE ON BACKSIDE, 15 MINUTES, BLEED OFF, STING OUT, CIRCULATE OUT THE LONG WAY	
07:05	500		5	130	H2O		

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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 5500 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
						PUMP 130 BBL H2O TO CIRCULATE AROUND THE LONG WAY, NO CEMENT RETURNS TO SURFACE	
						CEMENT : 240 SACKS 50:50 CLASS H + 0.01% STATIC FREE + 3% SALT + 0.1% R3 + 0.5% FL62 + 0.6% SMS	
						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	<u>SERVICE SUPERVISOR SIGNATURE:</u>
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	400	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	263	0	Y <input checked="" type="checkbox"/> N	