

CEMENT JOB REPORT

JUL 21 2008

OCD-ARTESIA



CUSTOMER: Western Reserve Oil Company		DATE: 16-JUL-08	F.R. #: 420511038	SERV. SUPV. GUADALUPE MARTINEZ JR	
LEASE & WELL NAME: 30-015-36320 Lake Mcmillan 21 #2 - API 30015363200000		LOCATION: Sec21-19S-26E		COUNTY-PARISH-BLOCK Eddy New Mexico	
DISTRICT: Artesia		DRILLING CONTRACTOR RIG # JW #5		TYPE OF JOB Surface	
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES	
13-3/8" Top Cem Plug, Nitrile cvr, Ph		Float Collar, Al Flap, 13-3/8 - 8rd		SACKS OF CEMENT	SLURRY WGT PPG
		Guide Shoe, Cement Nose 13-3/8 in		SLURRY YLD FT ³	WATER GPS
				PUMP TIME HR:MIN	Bbl SLURRY
					Bbl MIX WATER
MATERIALS FURNISHED BY BJ					
GW-27				0	0
""H""+10%A-10+10#LCM-1+1%CACL2+1/4#CF				100	14.6
""C""+2%CACL2+1/8#CF				390	14.8
Available Mix Water 250 Bbl.		Available Displ. Fluid 250 Bbl.		TOTAL 132 73.11	
HOLE		TBG-CSG-D.P.		COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	SIZE	WGT.	DEPTH
17.5	0	378	13.375	48 CSG	380 H-40
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	
SIZE	WGT	TYPE	DEPTH	TOP	BTM
		OPEN HOLE	No packer	0	0
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
53	BBLS			130	0
				OP. MAX	
				MAX TBG PSI	
				MAX CSG PSI	
				MIX WATER	
				Rig	

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 ☒ CO. REP. ☐	
	PIPE	ANNULUS				TEST LINES 3000 PSI	
						CIRCULATING WELL - RIG ☒ BJ ☐	
18:20						Arrived on location.	
18:21						Talked to Company-Man.	
18:30						Tested h20 for Sul-Temp-Chl (OK)	
19:00						Finished BJ rig up waiting on rig crew.	
01:00						Safety meeting.	
01:47	4327	0	.5	.5	H2O	Line test.	
01:49	230	0	7	12	GW-27	Spacer.	
01:52	280	0	5	27	CEMENT	Lead slurry @ 14.6# Thicks	
01:58	380	0	6	93	CEMENT	Tail slurry @ 14.8#	
02:15	224	0	7	43	H2O	Displacement right after cement.	
02:25	110	0	3	10	H2O	Slow rate to bump the plug.	
02:26	700	0	0	0	0	Plug down!	
						Circulated 80sx or 21bbls.	
						Thanks Guadalupe and Crew!!!	
						Closed in BJ Head.	
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:
☒ Y ☐ N	700	☒ Y ☐ N	21	259	0	☒ Y ☐ N	

CEMENT JOB REPORT



CUSTOMER Western Reserve Oil Company		DATE 19-JUL-08		F.R. # 483310417		SERV. SUPV. RICHARD B ANEZ	
LEASE & WELL NAME LAKE MCMILLAN 21 FED #2				LOCATION		COUNTY-PARISH-BLOCK Eddy New Mexico	
DISTRICT Artesia		DRILLING CONTRACTOR RIG # JV # 5				TYPE OF JOB Intermediate	

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES						
9-5/8" Top Cem Plug, Nitrile cvr, Phe	Float Collar, Al Flap, 9-5/8 - 8rd			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
	Float Shoe/Poppet Valve 9-5/8 - 8rd									
MATERIALS FURNISHED BY BJ										
FRESH WATER				0	8.34	1	0	00:00	10	0
50-50-10C+5%SALT+3#LCM-1+1/8#CF				500	11.8	2.45	13.77	05:00	218	163.80
C+2%CACL-2				200	14.8	1.34	6.36	03:00	48	30.46
FRESH WATER				0	8.34	1	0	00:00	106	0
Available Mix Water <u>500</u> Bbl. Available Displ. Fluid <u>500</u> Bbl.				TOTAL					382	194.26

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
12.25	0	1410	9.625	36	CSG	1413	J-55	1413	1375.43	0

LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID		
SIZE	WGT TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
13.38	.48 CSG	378	NO PACKER	0	0	0	9.625	8RND	WATER BASED MU	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	
106	BBLs	FRESH WATER	8.34	368	0	0	0	0	3520	2816	RIG

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 ☒ CO. REP. ☒	
	PIPE	ANNULUS				TEST LINES	3450 PSI
						CIRCULATING WELL - RIG ☒ BJ ☐	
13:45	0	0	0	0	0	ARRIVE LOC	
13:50	0	0	0	0	0	TALK TO CO. MAN	
14:00	0	0	0	0	0	CHECK WATER AND LOC. TO SPOT EQUIP	
14:10	0	0	0	0	0	RIG UP SAFETY MEETING ,RIG UP IRON	
00:14	0	0	0	0	0	WAITINGCASING CREW	
18:00	0	0	0	0	0	PRE JOB SAFETY MEETING	
18:45	3450	0	.5	.5	H2O	TEST LINES	
18:50	40	0	4	10	H2O	SPACER	
18:53	67	0	5.5	218	CMT	LEAD SLURRY @ 11.8 PPG	
19:21	226	0	6	48	CMT	TAIL SLURRY @ 14.8 PPG	
19:25	301	0	8	96	H2O	FRESH WATER DISPLACEMENT	
19:45	136	0	3	10	H2O	SLOW RATE	
00:00	0	0	0	0	0	DID NOT CIRCULATE CMT	
00:00	0	0	0	0	0	THANK YOU RICHARD AND CREW	

BUMPED PLUG ☒ Y ☐ N	PSI TO BUMP PLUG 458	TEST FLOAT EQUIP. ☒ Y ☐ N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 382	PSI LEFT ON CSG 200	SPOT TOP OUT CEMENT Y ☒ N ☐	SERVICE SUPERVISOR SIGNATURE:
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Western Res. Lake McMillan 21#2

Top of Cement@840' Tagged@1354'

