

OK (W)

FOUR CORNERS DRILLING CO.

P. O. BOX 1067
491 HWY. 64
FARMINGTON, NEW MEXICO 87499

TELEPHONE: (505) 326-3371
FAX: (505) 326-3370

December 26, 1990

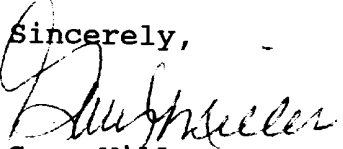
Maralex Resources
415 W. Wall, Suite 2215
Midland, Texas 79701
Attn: Carrie Baze

Dear Carrie:

This is to certify the deviation surveys on the following wells:

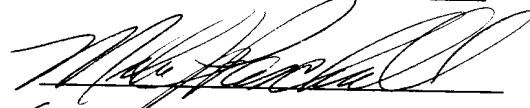
Sec. 15, T27N, R8W
Oxnard WN FED #11
DEPTH
183 - 3/4°
301 - 1/2°
617 - 1/4°
1109 - 3/4°
1607 - 1/2°
2130 - 3/4°

Sincerely,


Gary Miller
Drilling Superintendent

GM/jp

Subscribed and sworn to, before me, this 26th day of DEC, 1990.



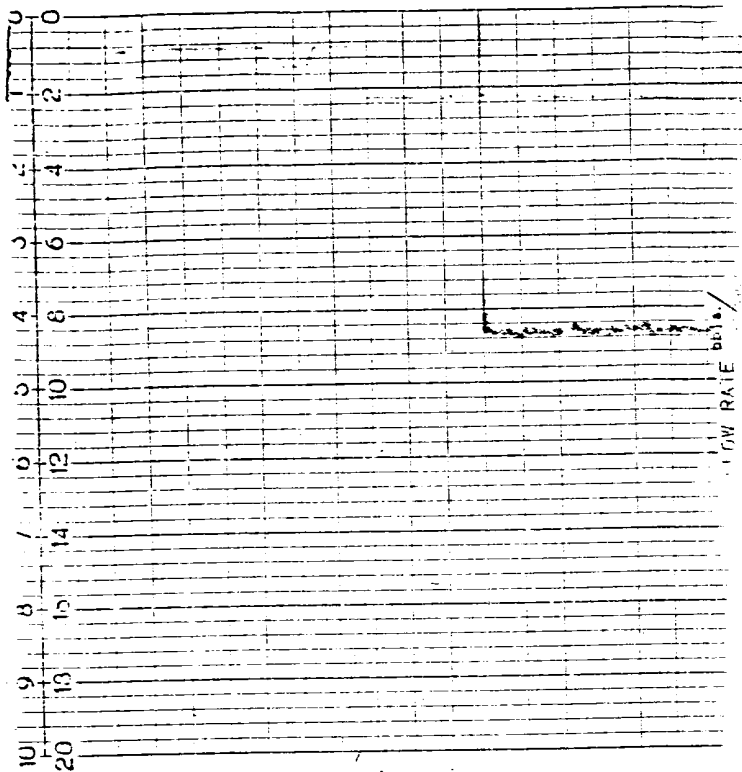
Notary Public in and for the County of SAN JUAN, State of NM

My commission expires 8-27-94



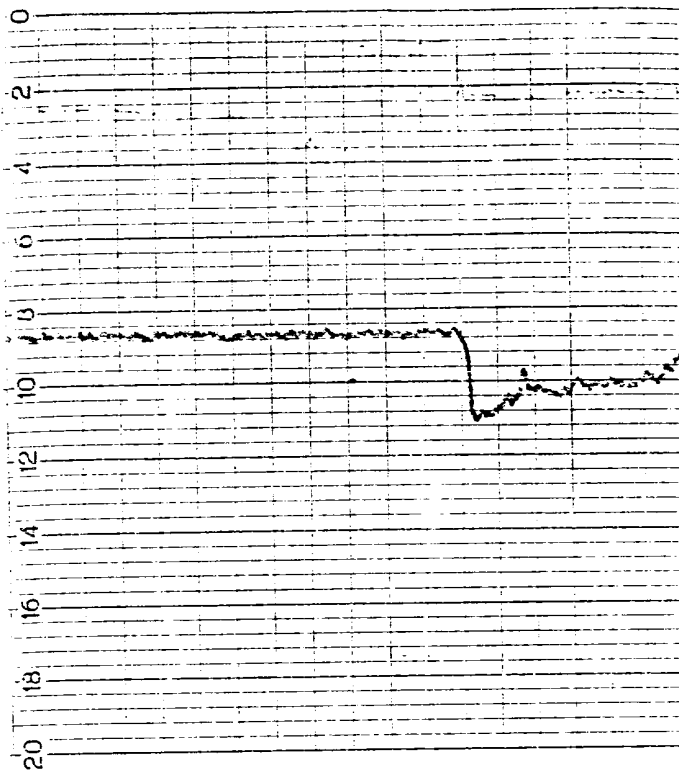
THE WESTERN COMPANY
CEMENT JOB DETAIL SHEET

CUSTOMER MARALAX		DATE 11-2-90	FR # 148539	SEA SUP. DON D. GARZA	TYPE JOB L.S.								
LEASE & WELL NAME-CCSG OSWALD LN FEN #11		LOCATION S-15, T-27N, R-8W		COUNTY-PARISH-BLOCK SAN JUAN									
DISTRICT FARMINGTON, NM		DRILLING CONTRACTOR RIG # 4 CORNERS #9		OPERATOR SAME									
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS	LIST-CCSG HARDWARE		SQ MANI FOLD Y ☒	TOP OF EACH FLUID		F-15 CAL SLURRY PROPERTIES						
	(TOP) (BTM)	5 1/2" TRP BRP	5 1/2" HEAD ROTATING + MANC				SLURRY WGT PPG	SLURRY YLD STB	WATER GPS	PUMP TIME HR:MIN	BDL SLURRY	BDL MIX WATER	
		308 SKS 65-35-0670 GEL 4 #K CELLO-SEAL					12.28	1.85	9.72		91.0	64.0	
		100 SKS CL.B + .95% FLO-LOK					15.6	1.18	5.19		21.0	12.3	
		25 SKS SCAVENGER SLURRY					10.0	5.13	34.8		22.8	21.0	
Available Mix Water 400 Bbl.		Available Displ. Fluid 300 Bbl.					TOTAL		135 920				
HOLE		TBG-CCSG-D.P.				TBG-CCSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT	TYPE	DEPTH	SIZE	WGT	TYPE	DEPTH	SHOE	FLOAT	STAGE
7 7/8"		2200'	5 1/2"	15.5		2215				2215'	2172'		1
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	
8 5/8"	24 1/2	K-55	331				8 1/2	8 1/2			MUD	9.0	
CAL. DISPL. VOL.-BBL		CAL. PSI		CAL. MAX PSI		OP. MAX	MAX TBG PSI		MAX CSG PSI		DISPL. FLUID		WATER
TEG	CSG	CSG	TOTAL	BUMP PLUG	TO REV	SO PSI	RATED	OP	RATED	OP	TYPE	WGT	SOURCE
													HAD 8.33 R/g
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: BAD HAD FLOW													
ABOUT 9000 FT. AFTER JOB WELL HAD FLOW STARTING FLOWING													
BACK Cmt. PRESSURE RATE DETAIL													
TIME		PRESSURE-PSI		RATE	BDL FLUID	FLUID	EXPLANATION						
HR	MIN.	PIPE	ANNULUS	BPM	PUMPED	TYPE	SAFETY MEETING, WPS CREW ☒ CO REP ☐						
							TEST LINES ☐ PSI						
							CIRCULATING WELL-RIG ☒ WPS ☐						
2000							EQUIP & CREW ON LOC						
2000							SAFETY MEETING						
2230							MIX SCAVENGER SLURRY						
2235							MIX LEAD CMT						
2250							MIX TAIL CMT						
1305							DROP PLUG WASH UP PUMPS & LINES						
3307							DISP.						
2330							PLUG DOWN (ELECTRIC) DID NOT BUMP						
2400							CREW & EQUIP RELEASED						
THANK YOU DON + CRISH													
BUMPED	PR TO BUMP PLUG	TEST FLOAT EQ. P	TOTAL IN PUMPED	BDL CMT RETURNED TO PUMP	PSI LEFT ON CSG	SPOT TOP CEMENT	SEA SUP. Don D. Garza						
							CUSTOMER REP						



WV 260097

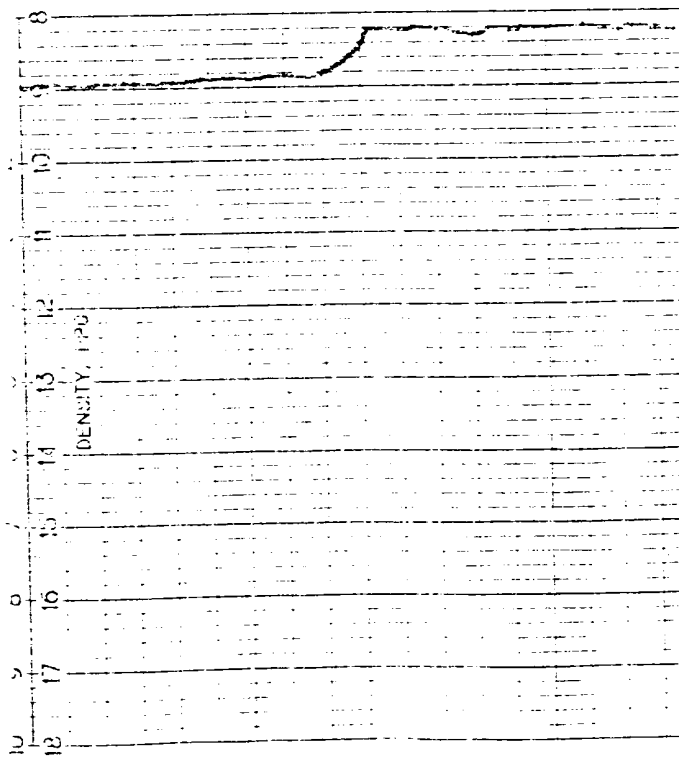
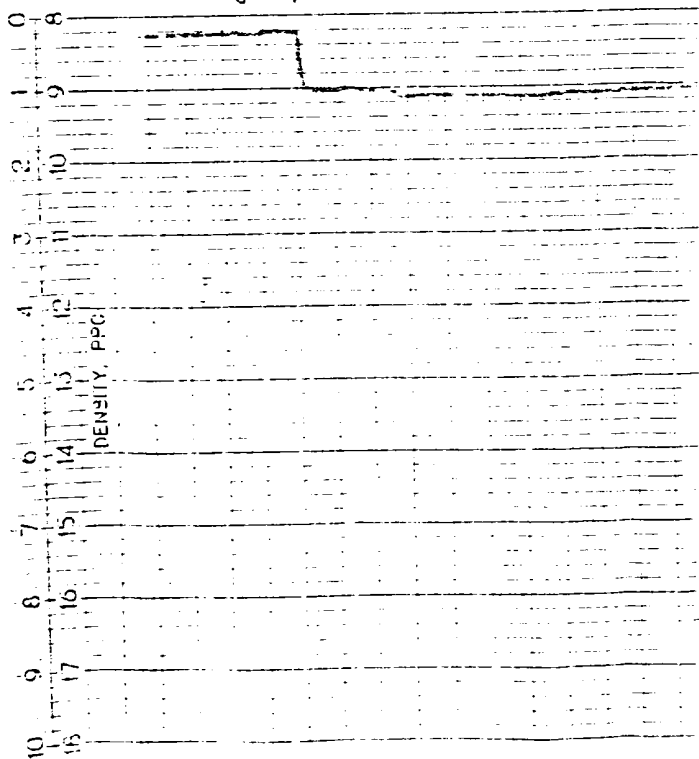
*Dr 44 Down
Front Field*



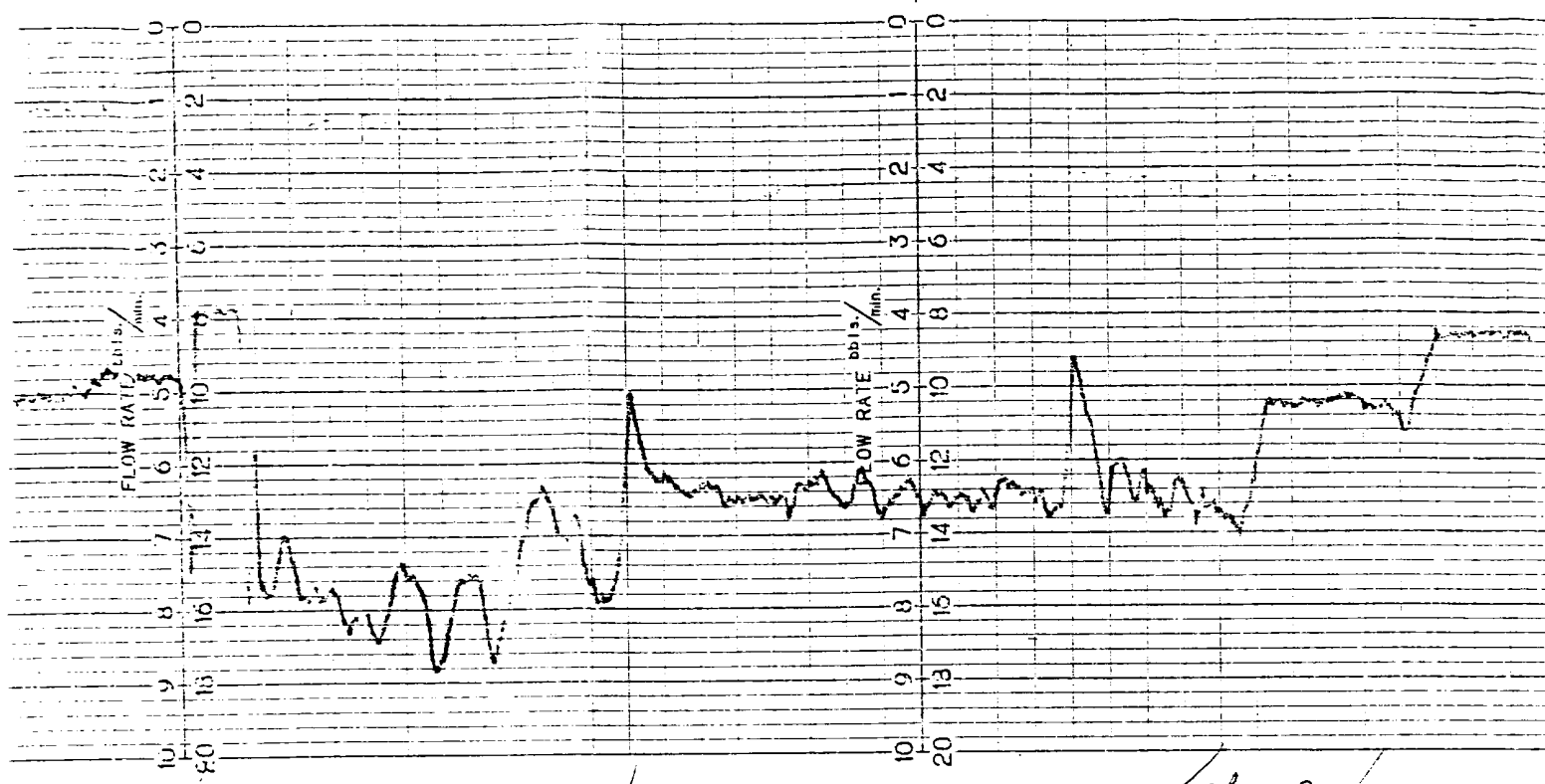
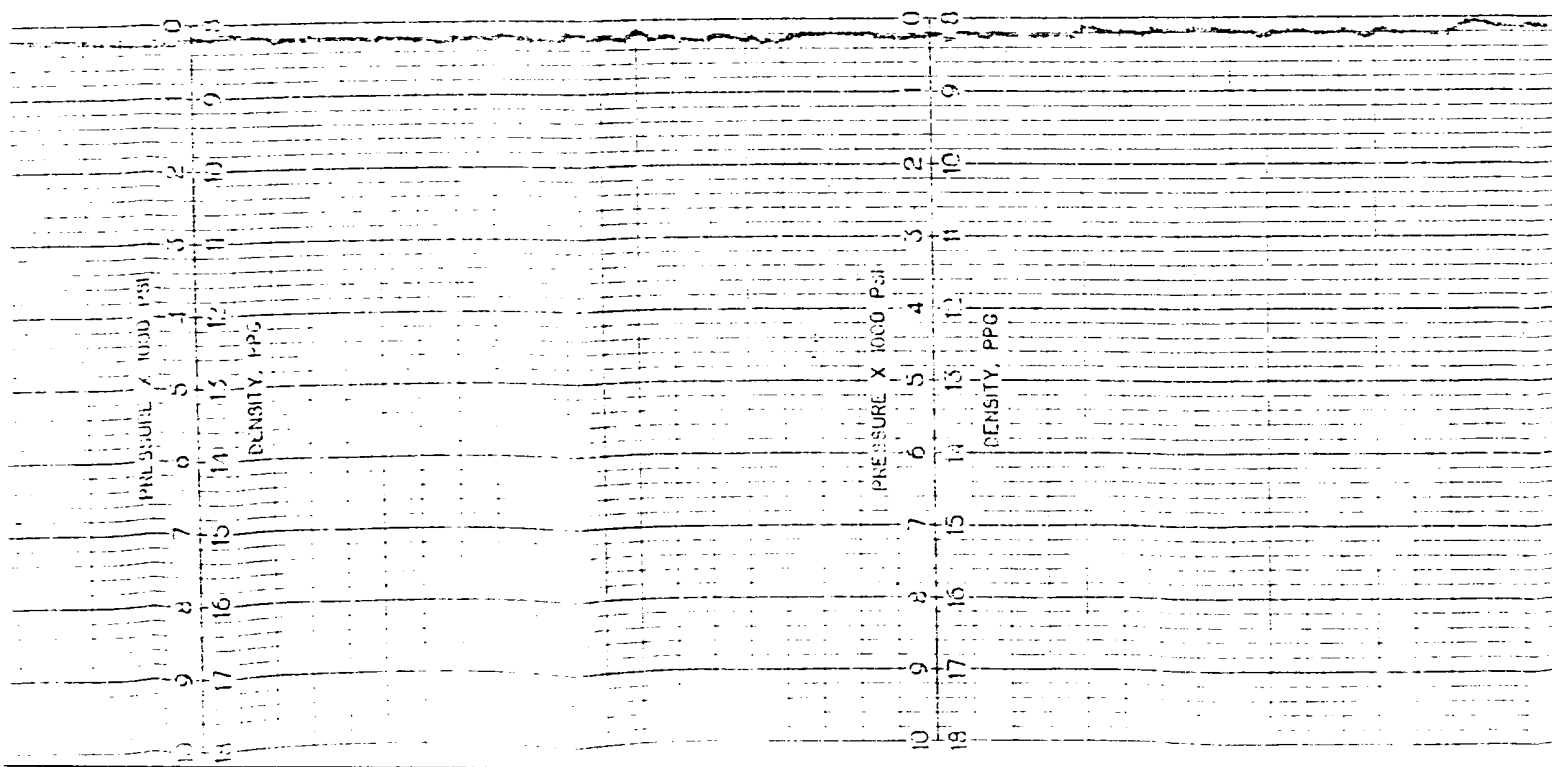
WESTWATER MODEL CO.

NORTH TEXAS

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End



DISP.

PRINTED IN U.S.A.

WESTERN CO. FORT WORTH, TEX.

11/11

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SCALING

23.88

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