

WELL RECORD

MWJ PRODUCING COMPANY (COMPANY)		LEASE	BAUM 17 A STATE	WELL NO. 1
				ELEV. _____ KB
				THF
FIELD	Baum Upper Penn	COUNTY	Lea	STATE New Mexico
REPORT DATE	DEPTH	REMARKS		
7/8/82		Location: 1980' FSL & 1980' FWL, Sec 17, T-14S, R-33E, Lea County, New Mexico. PD 10200' El 4251' GL Drlg Cont		
7/9/82	386'	MI Tri-Service Rig #8. (386') redbed. Prep to run 13-3/8" csg. Md wt 9.1, vis 34, pH 10. Finished MI & RU. Spudded @ 2: AM 7/9/82. Bit #1 STC 17 1/2" retip DS. All wt on bit, PP 1000, RPM 120, SPM 58, liner 5.5. Drld 20 hrs, circ'd to run 13-3/8".		
7/10/82	1183'	(797') salt & redbed. Drlg. Md wt 9, vis 30, pH. 10. Dev 0° @ 886'. Drld 7 hrs. RU & ran 10 jts 13-3/8" (392.85') 42# csg & set @ 386'. Cmt'd w/425 sx Class "C" w/2% CaCl. Cmt in place @ 10:30 AM 7/9/82. Circ'd approx 50 sx to surface. Cleaned pit, NU BOP, RIH & tstd to 600 psi for 30 min, OK. Drld 50' cmt & float insert. Tripped for bit. (1357') anhy & salt. Drlg. Md wt 9, vis 31, pH 10. Dev 1/4° @ 1370', 1/4° @ 1871' & 1/4° @ 2371'. Drld 23 hrs, SR, ran 3 totcos, changed out hydro. DMC: \$446. CMC: \$770.		
7/12/82	3050'	(510') anhy & salt. Drlg. Md wt 10, vis 32, pH 11. Dev 3/4° @ 2540'. Drld 18 1/2 hrs, SR, ran totco, POOH w/bit #2. RIH w/bit #3. DMC: \$701. CMC: \$1471.		
7/13/82	3425'	(375') anhy & salt. Drlg. Md wt 10.3, vis 32, pH 10. Dev 1° @ 3065' & 1° @ 3345'. Wt on bit 50000, RPM 58, PP 1250, SPM 58, liner 5.5. Drld 19 1/2 hrs. SR, WL totco, SLM, no correction. Wshd 40' to btm. Bit #3 STC 11" DC drld 749' in 31 hrs. Bit #4 STC 11" F-4 rerun. DMC: \$383. CMC: \$1853.		
7/14/82	3757'	(232') anhy & sh. Drlg. Md wt 10.1, vis 32, pH 10. Wt on bit 50000, RPM 60, PP 1350, SPM 60, liner 5.5. Drld 23-3/4 hrs, SR. DMC: \$431. CMC: \$2285.		
7/15/82	4030'	(273') anhy & sh. Drlg. Md wt 10.5, vis 33, pH 9.5. Dev 1/2° @ 4000'. Wt on bit 50000, RPM 60, PP 1350, SPM 60, liner 5.5. Drld 23 1/2 hrs. SR & 1 WL totco. DMC: \$108. CMC: \$2393.		
7/16/82	4149'	(119') dolo. WOC. Md wt 9.5, vis 35. Dev 1/4° @ 4140'. Wt on bit 50000, RPM 60, PP 1350, SPM 60, liner 5.5. Drld 10 hrs, SR, circ'd & cond hole. Dropped totco. TOOH & LD 18 8" DCs. RU & ran 101 jts 8-5/8" csg (4155') & set @ 4149'. Cmt'd w/1500 sx Halliburton Lite w/15# salt & 1/4# floce1 followed by 200 sx Class "C" w/2% CaCl. PD @ 3:30 AM 7/16/82. Cmt did not circ. Set slips & cut off 8-5/8" csg. NU.		
7/17/82	4420	(271') lm. Drlg. Md wt 8.7, pH 11. Drlg w/bit #5 (HPMH 7-7/8"). Wt on bit 50000, RPM 56, PP 1300, SPM 58, liner 5.5. Drld 15 hrs, SR, finished NU. PU 25 6" DCs & TIH. PT w/1500 psi for 30 min, OK. Drld plug, insert float & 45' cmt & guide shoe. DMC: \$269 CMC: \$2663.		
7/18/82	4950'	(530') lm. Drlg. Md wt 8.5, pH 11. Dev 1/2° @ 4644'. Wt on bit 50000, RPM 60, PP 1300, SPM 58, liner 5.5. Drld 23 1/2 hrs, SR, WL totco. DMC: \$295. CMC: \$2997.		
7/19/82	5490'	(540') lm. Drlg. Md wt 8.5, pH 11. Dev 1/2° @ 5118'. Wt on bit 50000, RPM 60, PP 1300, SPM 58, liner 5.5. Drld 23-3/4 hrs. SR & BOPs & WL totco. DMC: \$166. CMC: \$3145.		
7/20/82	6005'	(515') dolo. Drlg. Md wt 8.5, pH 10. Dev 1/2° @ 5645'. Wt on bit 50000, RPM 60, PP 1300, SPM 58, liner 5.5. Drld 23 1/2 hrs, SR, WL totco.		

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REPORT DATE	DEPTH	REMARKS			
7/21/82	6396'	(391') lm & sh. Making trip. Md wt 8.5, pH 10. Wt on bit 50000, RPM 60, PP 1300, SPM 58, liner 5.5. Drld 21 hrs, SR, TOOH for bit (bit #5 drld 2247' in 117-3/4 hrs), had 2 totcos, 1 WL. Dev 1/2° @ 6070' & dropped one @ 6379', still in pipe. Strapped DP. DMC: \$166. CMC: \$3256.			
7/22/82	6785'	(389') dolo. Drlg. Md wt 8.5, pH 11. Dev 3/4° @ 6379'. Drlg w/ bit #6 (7-7/8" F-57). Wt on bit 50000, RPM 60, PP 1250, SPM 58, liner 5.5. Drld 19 hrs. SR, finished TOOH, cut drlg line, changed out corss on mud line. TIH. Strapped DP OOH 63-75-88. Board showed 63-79-89, 3.61 diff, no correction made. DMC: \$309. CMC: \$3835.			
7/23/82	7230'	(445') dolo. Md wt 8.5, pH 10.5. Dev 3/4° @ 6878'. Wt on bit 50000, RPM 60, PP 1250, SPM 58, liner 5.5. Drld 23 1/4 hrs, SR & BOP, 1 WL totco. DMC: \$238. CMC: \$4073.			
7/24/82	7760'	(530') dolo & sh. Drlg. Md wt 8.5, pH 10. Wt on bit 50000, RPM 58, PP 1250, SPM 58, liner 5.5. Drld 23 1/4 hrs, SR & totco. DMC: \$238. CMC: \$4311.			
7/25/82	8193'	(433') lm & sh. Drlg. Md wt 8.5, pH 10. Dev 1 1/2° @ 7864' & 1-3/4° @ 8136'. Wt on bit 50000 dropped to 25000, RPM 60, PP 1500, SPM 64, Liner 5.5. Drld 22-3/4 hrs, SR, serviced BOP & 2 WL totcos. DMC: \$238. CMC: \$ 4549.			
7/26/82	8410'	(217') lm & sh. Drlg. Md wt 8.5, pH 10. Dev 1-3/4° @ 8270'. Wt on bit 25000, RPM 60, PP 1500, SPM 64, liner 5.5. Drld 23 hrs, SR, WL totco. DMC: \$342. CMC: \$4891.			
7/27/82	8615'	(205') dolo & sh. Drlg. Md wt 8.5, pH 10. Dev 1-3/4° @ 8425' & 1° @ 8556'. Tripped for bit #7 (Smith 7-7/8" F-7). Bit #6 drld 2095' in 118 1/4 hrs. Wt on bit 45000, RPM 60, PP 1500, SPM 60, liner 5.5. Drld 16 1/4 hrs, SR, 2 WL totcos. Pmpd down softline & chained OOH w/62 stds. LD 1 jt DP w/hole. Finished TOOH. PU string reamer 60' above bit. TIH & wshd 60' to btm. DMC: \$295. CMC: \$5186.			
7/28/82	8980'	(365') lm & sh. Drlg. Md wt 8.5, pH 10.5. Dev 2 1/4° @ 8835'. Wt on bit 25000, RPM 60, PP 1500, SPM 60, liner 5.5. Drld 22 hrs. SR, WL totco, changed out #1 motor clutch. DMC: \$393. CMC: \$5579.			
7/29/82	9180'	(200') dolo & sh. Drlg. Md wt 8.5, pH 10.5. Dev misrun @ 8990', 2 1/4° @ 9000' & 1-3/4° @ 9147'. Wt on bit 25-30000, RPM 60, PP 1200, SPM 60, liner 5.5. Drld 20 hrs, SR, 4 WL totcos, 2 misruns. DMC: \$154. CMC: \$5722.			
7/30/82	9396'	(238') dolo & sh. Rng totco. Md wt 8.5, pH 11. Dev 1-3/4° @ 9272'. Wt on bit 30000, RPM 60, PP 1500, SPM 60, liner 5.5. Drld 23 1/4 hrs, SR, 1 WL totco. DMC: \$96. CMC: \$5818.			
7/31/82	9605'	(209') lm sd & sh. Drlg. Md wt 8.7, vis 34, pH 11. Dev 1-3/4° @ 9396'. Wt on bit 35000, RPM 60, PP 1500, SPM 60, liner 5.5. Drld 18 1/2 hrs. SR, WL totco, bmpd soft line & tripped for hole in pipe 34 stds & 1 single. Wshd 20' to btm. DMC: \$2112. CMC: \$7929'.			
8/1/82	9825'	(220') lm sd & sh. Drlg. Md wt 8.8, vis 34, pH 10.5. Dev 1-3/4° @ 9610'. Wt on bit 40000, RPM 60, PP 1500, SPM 60, liner 5.5. Drld 23 hrs, SR & totco. DMC: \$47. CMC: \$7980.			
8/2/82	10050'	(225') lm & sh. Drlg. Md wt 8.9, vis 40, pH 10.5. Wt on bit 45000, RPM 60, PP 1500, SPM 60, liner 5.5. Drld 23-3/4 hrs, SR & BOP. DMC: \$259. CMC: \$8235.			

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REPORT DATE	DEPTH	REMARKS
8/3/82	10200'	Plan to drill to TD of 10150' & run open hole logs. SAMPLE TOPS: "A" 9862', "B" 9895', "B" PAY 9917', "C" 10015' TD (150') dolo & sd. Tripping. Md wt 9.2, vis 46, pH 11. Wt on bit 45000, RPM 60, PP 1500, SPM 60, liner 5.5. Bit #7 drld 1709' in 149½ hrs. Drld 12 hrs, SR, stuck pipe @ 10143'. Waited on oil. Sptd 100 BO, pipe loose in 10 min. Circ'd & cond hole for logs. TD @ 1:30 AM 8/3/82.
8/4/82	10250'	(50') LD DP. Md wt 92., vis 46, pH 11. Dev 2° @ 10174'. Wt on bit 45000, RPM 58, PP 1250, SPM 60, liner 5.5. Drld 4-3/4 hrs. SR, fin TOOH. RU Loggers & logged. Loggers TD @ 10204'. RD loggers. TIH & drld 50', circ'd & cond hole for csg.
8/5/82	10250' TD	Rigging down. SR, finished LD DP & 25 6" DCs. RU & ran 253 jts 5½' 15.5# & 17# csg (10268') & set @ 10250'. Cmt'd w/300 sx 50/50 poz, 2% gel, .6% Halad 2 & 5# KCL/sk. PD @ 9: PM 8/4/82. Set slips, cut off csg, stripped cellar & cleaned pits. Released rig @ 1: AM 8/5/82.
8/6/82	10250' TD	Moving off rig. Ran temp survey & found top of cmt @ 8760', TD @ 10197'. WOCU. Temporarily drop from report.
8/27/82		MICU. MI RU PU. Installed Tbg. Head. Ran Standard SN., 314 jts. 2-3/8" Buttress thread Tbg. Tagged bottom. Pulled and laid down 314th jt. Flanged UP. SDFN.
8/28/82		SD
8/29/82		SD
8/30/82		RU Western Company. Pressure tested Csg. to 3500 psi. Circulated hole with 2% KCL water. Spotted 1000 Gal. 15% HCL Acid. Pulled 314 jts. Tbg. RU CRC. Perforated from 10,165-10,171, 2 SPF with 4" OD Csg. Gun. Rigged CRC down. Run Baker R-3 Pkr., Standard SN XO 209 jts. Tbg. Western pumped 25 Bbl. 2% KCL down the Csg. Failed to load. Set Pkr. at 10,063' with 14,000# on it and flanged up. RU Swab. Checked FL @ 1000'. Swabbed 1/2 Hr. to pit. Est. Rec. 10 Bbl. flush water. FL 4000'. CWIFN.
8/31/82		0 Pressure. FL 1500'. Swabbed to pit approx. 10 hrs. Est. Rec. 90 Bbl. Formation Water. Weak live gas. No Oil. FL 4500' at the end of the day. SDFN.
9/1/82		SITP 15 psi. Checked FL @ 2300'. Swabbed 2 hrs. to pit. Formation water with small gas. No Oil. Laid swab down. Pulled Tbg. and Pkr. RU CRC. Ran and set cast iron Bridge Plug at 10,100'. Perforated "C" Zone: 10,008-10,010', 10,018-10,022', 2 SPF with 4" OD Csg. Gun. Rigged CRC down. Ran Baker R-3 Pkr. SN and XO. 208 jts. of 2-3/8" Tbg. RU Dowell. Circulated with 2% KCL water. Spotted 1000 Gal. 15% HCL Acid. Formation broke down as acid was washed by. Pulled and laid down 3 jts. Set Pkr. @ 9935' with 15,000# on it. Flanged Up. SDFN.
9/2/82		RU swab. Chk'd FL @ 7000'. Swbd to pit 10 hrs. Rec'd est 70 BW w/small live gas. FFL 7400'. CWI ON.
9/3/82		SITP 0. Chk'd FL @ 7000' FS. Swbd to tst tank 10 hrs, rec'd 70 BW.
9/4-9/6/82		SI for weekend & Holiday.

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9/7/82		SITP 0. Chk'd FL @ 7000' FS. Swbd to pit 1 hr. Rec'd est 80 BW w/small gas & no oil. LD swab. Rel pkr. PU & ran 5 jts tbg. Tagged BP @ 10100'. Pulled & LD 3 jts tbg. POOH & LD pkr. Ran Halliburton cmt rtnr, rng tool & 307 jts tbg. Installed BOP. RU Halliburton & pmpd tbg volume. Set rtnr @ 9980'. Circ'd w/fresh wtr. Tstd tbg to 2500 psi. Rel & tstd csg to 1500 psi. Pmpd into zone @ 2.5 BPM @ 1600 psi. Squeezed w/100 sx cmt to 4000 psi. Rev out 60 sx. Pulled & LD 2 jts. Added 6' sub. Spt'd 1000 gal 15% HCL ac. Pulled 20 jts tbg & SD ON.
9/8/82		POOH & LD Howco rng tool. RU CRC & perf'd "B" zone as follows: 9906-10' & 9924-28' (2 SPF) w/4" OD csg gun. RD CRC. Removed BOP. Ran Baker R-3 pkr, std SN, XO & 302 jts tbg. Pkr top @ 9840'. Chk'd FL @ 300' below surface. Reversed ac back in tbg. Set pkr w/15000# & flanged up. PT csg to 1550 psi. Press tbg to 2000 psi & maintained 1½ hrs. Press to 3000 psi & maintained 2½ hrs. Displaced approx 6 bbls ac in fm & CWI ON.
9/9/82		SITP 900 psi. Bled off & swbd to pit 4 hrs. Rec'd 39 bbls flush wtr & ac. Had show of oil & gas. Oil increased to 32% at end. Rec'd approx 4 bbls. Left open on 20/64" chk w/no press.
9/10/82		SITP 0 psi. Chk'd FL @ 9500'. Swbd to pit 1 hr, rec'd est 8 BF, 40% oil. RU Dowell & loaded tbg w/1000 gal 20% HCL ac + 15 bbls 2% KCL wtr. PT csg to 1200 psi, increased tbg to final 4000 psi & maintained 6 hrs. Displaced total of 9 bbls ac in fm. Bled well down & opened bypass on pkr. Rev circ'd out remaining ac & closed bypass. Swbd well down in 4 hrs. Rec'd 38 bbls w/show of oil & gas. Left open on 18/64" chk.
9/11/82		SD.
9/12/82		SD.
9/13/82		SITP 0. Chk'd FL @ 7000'. Swbd to tst tank 8 hrs, rec'd 15 BF, approx 20% oil. Left open on 18/64" chk.
9/14/82		Chk'd FL @ 9250'. Swbd 3 hrs to tank, rec'd 5 bbls fl approx 23% oil. RU Western Co & acd w/1000 gal 20% HCL ac @ 1 BPM @ 6000 psi. ISIP 5800 psi, 15 min 5200 psi. Bled off & swbd to pit 4½ hrs. Rec'd 40 bbls flush wtr & approx 12 bbls ac wtr w/show of oil. Swbd to tank 1½ hrs, rec'd 5 BF, approx 15% oil. FFL @ 9100'. Left open to flowline.
9/15/82		Chk'd FL @ 4900'. Swbd 9 hrs, rec'd 45 BF, 12% oil at beginning & 8% oil at end. FFL 9500'. No gas. Left open to flowline.
9/16/82		Chk'd FL @ 7000'. Swbd 10 hrs, rec'd 40 BF w/trace of oil, no gas. FFL @ 9100'. Slight vacuum on csg. CWI ON.
9/17/82		RD & MO.
9/18/82		Waiting on orders. Temp drop from report.
9/19/82 thru 9/24/82		Waiting on orders.
9/25/82 thru 10/1/82		Waiting to P & A.
10/31/82		MI & RU. Swbd to tank 4 hrs, rec'd 1 BO & est'd 60 BW. FL @ 5000'. SD ON.
11/1/82		SD for Sunday.

WELL RECORD

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LEASE BAUM "17" "A" STATE

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11/2/82		Swbd 4 hrs, rec'd approx 1 BO & 60 BW. SD ON.
11/3/82		RD & MO. Waiting on orders.
11/18/82		MI & RU Swbg Unit. Found FL @ 4000' FS. Made 6 swab runs, rec'd 21 BF, trace of oil, show of gas. RD & MO.
12/6/82		MI & RU PU. Released pkr & loaded hole w/110 bbls 2% KCL wtr. Ran 4 jts tbg w/tbg @ 9968'. Sptd 1000 gal 20% HCL ac. Pulled & LD 4 jts. Pulled addt'l 112 jts & SD ON.
12/7/82		Pulled 190 jts, changeover, std SN & Baker R-3 pkr. RU CRC & perf'd "B" zone as follows: 9933-9935', 9940-9945', 9956-9958' (2 SPF) w/4" OD csg gun. RD CRC. Ran Baker R-3 pkr, std SN, changeover & 302 jts tbg. Dowell rev'd ac back in tbg. Set pkr @ 9938.99' w/15000# & flanged up. PT csg to 1600 psi. Ac'd @ 1.2 BPM @ 6200 psi w/24 BFW. ISIP 5900 psi, 10 min 5500 psi. Bled off & rec'd 4 BF. CWI ON.
12/8/82		Made 10 swab runs. FL @ 5500'. Had no oil w/some gas. SD ON.
12/9/82		SD due to bad weather.
12/10/82		SD due to bad weather.
12/11/82		Swbd 5 hrs, rec'd 25 BF, no oil or gas. IFL 4400'. FFL 5500'. Released unit. Waiting on orders.
1/10/83		MI & RU F. C. Stickney Co. Ran tbg to 9900'. Mixed 50 sx mud & 200 bbls brine wtr & pmpd into hole & circ'd. Set CIBP @ 9925' w/35 cmt on top.
1/11/83		Pulled tbg & welded on 5½" collar. RU jacks & worked csg. Ran shot & cut csg into @ 5597'. Lost pipe in hole. TIH w/spear & could not work pipe free. POOH w/spear & ran tbg to 5570'. Spt'd 25 sx cmt & pulled tbg. Ran shot & cut into @ 5003'.
1/12/83		SD due to weather.
1/13/83		Ran spear & worked 5½" csg free. LD csg. Ran tbg to 5050' & spt'd 35 sx cmt. Pulled up 40 jts & SD ON.
1/14/83		Ran tbg BIH & tagged plug 80' above stub. Pulled up to 4200' & spt'd 45 sx cmt. Pulled 20 stds & WOC 4 hrs. Tagged plug & pulled up to 1690'. Spt'd 25 sx cmt. LD tbg, cut off W/H & put 10 sx cmt plug on top. Installed dry hole marker, RD & MO. WELL P & A. Note: Pulled 4973.29' 5½" csg.

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