

WELL NAME AND NUMBER MAI & ENERGY CORPORATION
PARDUE FARMS 27 NO. 4 STATE New Mexico
 LOCATION 660 FSL & 660 FEL Sec. 27-T23S-R28E COUNTY Eddy
PTD 8000' Elev. 3034.8 GL
 FIELD S. Culebra Bluff Und Bone Springs

Date	Depth	Days	Remarks
5/6/81			Staked location.
5/7-14/81			Building roads and location by Globe Construction.
5/15/81			Location completed.
6/11/81			Moved in and rigged up Hondo Rotary Rig #6.
6/12/81	450'	1	Drilling 12 1/4" hole in anhydrite, made 450' in last 24 hrs, Mud Wt 9.7#, Vis 33. Bit #1 12 1/4" Security S33S, SN 974546, jets 3/10, in at surface. WOB all, Rotary RPM 100, Pump #1 Gardner-Denver 5 x 14", 59 Strokes, Pump pressure 1000 psi, Pump rate 228 GPM. BHA: 12 1/4" bit, shock sub, and 14 drill collars. 14 3/4 hrs drilling, 6 hrs rigging up, 3 hrs ditching, 1/4 hr repairs. Spudded 12 1/4" hole at 11:00 a.m. MSR 6/11/81.
6/13/81	511	2	Drlg. cmt. inside 8 5/8" casing. Drilled 61' last 24 hrs Mud Wt 10, Vis 28, Ph 10, Cl 180000. Bit #1 in at surface out at 511', cut 511' in 15 3/4 hrs, condition T5, B5, Gas in. Bit #2 7 7/8" Security S88S, SN 965165, 3/10 jets, in at 511'. Deviation 3/4° @ 511'. WOB 6000, Rotary RPM 57, Pump #1 5 x 14", 59 strokes, Pump press. 1100 psi, Pump rate 228 GPM. BHA: 7 7/8" bit, 1 drill collar, string reamer, 13 drill collars. 2 1/4 hrs drilling, 2 1/4 hrs trip, 1/2 hr circ. 1/4 hr survey, 7 hrs WOC, 6 hrs N.U., 2 1/2 hrs test BOP to 1500# - okay, 2 hrs running casing, 1 1/4 cementing. Ran 12 joints 8 5/8" K55 24# ST&C casing (498'), cemented wity 335 sacks Class C, 2% CaCl mixed 14.8, yield 1.32. Plug down at 12:45 p.m. MST 6/12/81. Circ. 115 sx to reserve pit.
6/14/81	970	3	Drilling 7 7/8" hole in anhy & gyp, made 459' in 24 hrs, Mud Wt 10, Vis 28, Ph 10, Cl 180000. Deviation 2° @ 812'. WOB 15000, Pump strokes 59, Pump press. 1100, Pump rate 228. 19 1/4 hrs drilling, 1/2 hr survey, 4 hrs drill plug and cement, 1/4 hr rig repair.
6/15/81	1151'	4	Drilling anhydrite, Mud Wt 10, Vis 28, Ph 11, Cl 175000, Deviation 2 3/4° @ 1059', 2 3/4° @ 1141'. WOB 15000, Rotary RPM 57, Pump strokes 59, Pump press. 1100, Pump rate 228. 22 1/4 hrs drilling, 1 hr trip, 1/2 hr survey, 1/4 hr rig service.
6/16/81	1435'	5	Drilling 7 7/8" hole in limestone, made 284' in last 24 hrs Mud Wt 10, Vis 28, Ph 11.5, Cl 175000. Deviation 1 3/4° at 1244', 1° @ 1426'. WOB 35000, Rotary RPM 57, Pump strokes 59, Pump press. 1100 psi, Pump rate 228 GPM. 23 1/4 hr drilling, 1/2 hr survey, 1/4 hr rig service.
6/17/81	2025'	6	Drilling 7 7/8" hole in limestone, made 590' in 24 hrs, Mud Wt 10, Vis 28, Ph 9.5, Cl 158000. Deviation 2° @ 1642', 2 1/4° @ 1859'. WOB 15000, Rotary RPM 59, Pump #1 5 x 14", 57 strokes, Pump press. 1100 psi, Pump rate 228 GPM. 23 1/4 hrs drilling, 1/2 hr survey, 1/4 rig service.

WELL NAME AND NUMBER MADDOX ENERGY CORPORATION
PARDUE FARMS 27 NO. 4 STATE New Mexico
FIELD S. Culebra Bluff Bone Spring COUNTY Eddy

PTD 8000'

Date	Depth	Days	Remarks
6/18/81	2415'	7	Drilling 7 7/8" hole in limestone, made 390' in last 24 hrs, Mud Wt 10#, Vis 28, Ph 11, C1 180000. Deviation 3° @ 2044', 2 3/4° @ 2137', 3° @ 2322'. WOB 12-14000, Rotary RPM 57, Pump stroke 59, Pump press. 1150 psi, Pump rate 228 GPM. 23 hrs drilling, 3/4 hr survey, 1/4 hr rig service.
6/19/81	2625'	8	Drilling 7 7/8" hole in limestone, made 210' in 24 hrs, Mud Wt 10, Vis 28, Ph 11, C1 180000. Bit #2 in at 511' out at 2474', made 1963' in 115 1/4 hrs, Condition T1 B4 In gauge. Bit #3 7 7/8" Hughes Tool Company J44C, SN J5586, 3/10 jets, in at 2474'. Deviation 3° @ 2474' WOB 15000, Rotary RPM 57, Pump #1 Strokes 59, Pump press. 1100, Pump rate 228 GPM. 19 1/4 hrs drilling, 4 hrs trip, 1/4 hr survey, 1/4 hr rig service.
6/20/81	3160'	9	Drilling 7 7/8" hole in limestone, made 485' in 24 hrs, Mud Wt 10, Vis 28, Ph 10, C1 162000. Deviation 1 1/4° @ 2661', 1 1/4° @ 2876', 3/4° @ 3079'. WOB 30000, Rotary RPM 57, Pump strokes 57, Pump press. 1100, Pump rate 228 22 3/4 hrs drilling, 1 hr circ. 1/4 hr rig service.
6/21/81	3810'	10	Drilling in sand and lime, made 650' in 24 hrs, Mud Wt 10, Vis 28, Ph 10, C1 162000. Deviation 1° @ 3481'. WOB 40000, Rotary RPM 57, Pump strokes 59, Pump press. 1100, Pump rate 228. 23 1/4 hrs drilling, 1/2 hr survey 1/4 hr rig service.
6/22/81	4427'	11	Drilling in sand and lime, made 617' in 24 hrs, Mud Wt 10, Vis 28, Ph 11, C1 167000. Deviation 3/4° @ 3877', 1/2° @ 4307'. WOB 40000, Rotary RPM 57, Pump strokes 59, Pump press. 1100, Pump rate 228 GPM. 22 3/4 hrs drilling, 1 hr survey, 1/4 hr rig service.
6/23/81	4940'	12	Drilling in limestone, made 513' in 24 hrs, Mud Wt 10, Vis 28, PH 11, C1 168000. Deviation 1° @ 4735'. WOB 40000, Rotary RPM 57, Pump strokes 59, Pump press. 1100 psi, Pump rate 228 GPM. 23 1/4 hrs drilling, 1/2 hr survey, 1/4 hr rig service.
6/24/81	5352'	13	On TOH for bit. Drilled 412' in limestone last 24 hrs, Mud Wt 10#, Vis 28, Ph 10.5, C1 182000. Deviation 1° @ 5166'. WOB 40000, Rotary RPM 57, Pump strokes 59, Pump press. 1100 psi; Pump rate 228 GPM. 22 hrs drilling, 3/4 hr trip, 3/4 hr survey, 1/2 hr rig service.
6/25/81	5590'	14	Drilling 7 7/8" hole in sand and shale, made 238' in 24 hrs, Mud Wt 10, Vis 28, Ph 10.5, C1 182000. Bit #3 in at 2474' out at 5352', cut 2878' in 128 3/4 hrs, Condition T8 B4 In Gauge. Bit #4 7 7/8" Reed HPMH, SN 965165, 3/10 jets, in at 5352'. Deviation 1 1/4° @ 5352'. WOB 40000, Rotary RPM 57, Pump strokes 59, Pump press. 1100, Pump rate 228 GPM. 15 3/4 hrs drilling, 8 1/4 hrs trips. Reamed on TIH 904-1184'. Safety wash 60' to bottom.