

EL PASO NATURAL GAS COMPANY - POKER LAKE NO. 3

1980 S & 660 W, Sec. 22, T 25 S, R 30 E;  
Eddy County, New Mexico

CH Cons. Comm.  
ARTESIA OFFICE

DRILL STEM TESTS

| <u>Date</u> | <u>Section</u> | <u>Results</u>                                                                                                                                                                                                          |
|-------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10-29-55    | 3895 - 3967    | Tool open 1 hour, strong blow immediately, gas to surface in 15 min., TSTM, 30 min SIP 1275, FP 250-550, HP 1700<br>Rec. 990' HO & GCXW + 90' HO & GC Drilling Mud                                                      |
| 11-7-55     |                | Attempted to set packer @ 6330', no packer seat, pulled tool and attempted to set packer @ 6306', no packer seat; pulled tool and resumed drilling. HP - 2925#.                                                         |
| 11-19-55    |                | Attempted Drill Stem Tests at: 9154-9231; 9140-9216; 9125-9201; 9111-9186; 9095-9171; 9065-9141; 8394-8470; 8318-8394 - all failed                                                                                      |
| 11-19-55    | 9430-9506      | Tool open 37 min., opened with no blow, slight bubbling after 5 min. and continuing throughout test. Rec. 10' drilling mud. FP - 0, HP 4432-4410.                                                                       |
| 12-22-55    | 9720 - 9290    | Tool open 30 min., opened with fair blow gradually reduced to very weak blow, dead in 30 min. FP - 0, 15 min SIP - 0<br>HP - 4600, Rec. 30' mud.                                                                        |
| 12-28-55    | 10014-10118    | Tool open 1 hour, weak blow to fair blow throughout test. Rec. 30' drilling mud. FP - 10, 15 min SIP 28, HP 4730                                                                                                        |
| 1-10-56     | 11525-11554    | Tool open 2 hours, opened with good blow, decreasing to fair blow in 15 min. and continuing fair throughout test. Rec. 20' GC Drilling Mud. 30 min SIP 335, FP 35, HP 5610                                              |
| 1-17-56     | 12070-12130    | Tool open 30 min., opened with strong blow of air, died in 30 min. No gas to surface. FP 7035, 15 min. SIP 105, HP 5880-5845. Rec. 50' drilling mud.                                                                    |
| 1-20-56     | 12324-12349    | Tool open 1 hour 15 min., opened with strong blow of air decreasing to weak blow in 15 min., continued weak throughout remainder of test. Rec. 180' heavy gas cut drilling mud. FP 65-35, 30 min SIP 270, HP 5960-5930. |
| 1-22-56     | 12324-12384    | Packer failed.                                                                                                                                                                                                          |
| 1-23-56     | 12306-12384    | Tool open 2 hours, good blow air immediately, spray of water in 30 min. Gge 160 MCF to 110 MCF, steady @ 110 MCF. Rec. 1500' HGC water blanket and 285' G & sl distillate cut mud. FP 795, 30 min. SIP - 4850, HP 5950. |
| 1-31-56     | 12680-12743    | Tool open 30 min., weak blow 12 min. and died. Rec. 1500' WB, 60' sl GC drilling mud. FP 725, 30 min. SIP 790, HP 5965.                                                                                                 |
| 2-14-56     | Pkr. @ 13767   | Packer failed. HP - 6765. Rec. 2000' Water Blanket & 2500' mud.                                                                                                                                                         |
| 3-13-56     | 14721-14781    | Tool open 1 hour, weak blow 15 min. and died. Rec. 2500' Water Blanket + 10' Drilling mud. FP 1180, 30 min SIP 1340, HP 6810-6740, BH Temp - 200°F.                                                                     |