

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division  
P.O. Box 1980  
Hobbs, NM 88241

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DUGAN PRODUCTION CORP

3. Address and Telephone No.

P. O. BOX 420, Farmington, NM 87499 505/325-1821

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2180' FNL, 1980' FWL (Unit F- SE/4 NW/4)  
Section 23, T9S, R37E NMPM

5. Lease Designation and Serial No.

NM 0659

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Marathon Federal No. 1

9. API Well No.

30-025-24496

10. Field and Pool, or Exploratory Area

Sawyer, West (San Andres)

11. County or Parish, State

Lea County, N.M.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Proposed Operation - Plug and Abandon utilizing the attached procedure. A current wellbore diagram and proposed diagram after P & A are also enclosed.

Estimated Date of P & A November 4, 1998 or 30 days after approval of procedure.

14. I hereby certify that the foregoing is true and correct

Signed David R. Glass Title Petroleum Engineer Date Oct. 2, 1998

(This space for Federal or State office use)

Approved by (ORIG. SGD.) DAVID R. GLASS Title PETROLEUM ENGINEER Date OCT 27 1998  
Conditions of approval, if any:

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

Title 18 U.S.C. § 1001, 1003, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 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2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691,

DUGAN PRODUCTION CORP  
MARATHON FEDERAL WELL NO. 1  
NM0659, Unit F, Sec.23, T9S, R37E  
SAWYER, WEST(San Andres) Field

PROPOSED PROCEDURE TO PLUG AND ABANDON

1. MIRU Unit. Install BOP, TOH and lay down rods in singles. Drop standing valve and pressure test tubing. TOH.
2. TIH with CIBP on 2 3/8" tubing. Set CIBP at 4805'. Mix and spot 15 sx Cement plug from 4805'. With tubing at 4600', displace casing with 50 bbls 10lb/gal brine containing salt gel mixed at rate of 25 sacks of gel per 100 barrels of water. TOH.
3. Perforate 4 1/2" casing at 2284' (Top of Anhydrite) with 4 shots. TIH with Model AD-1 Packer and set at approx 2084'. Establish injection rate. Squeeze cement with 40 sx Class "C", 2% CaCl<sub>2</sub>. WOC. Unseat packer and TOH.
4. Perforate 4 1/2" casing at 1325' (Top of salt is at 1354') with 4 shots. TIH with Model AD-1 Packer and set at approx 1125'. Squeeze cement with 40 sx Class "C", 2% CaCl<sub>2</sub>, WOC. Unseat packer and TOH.
5. Perforate 4 1/2" casing at 427' with 4 shots. (Base surface casing). TIH with Model AD-1 Packer and set at 327'. Squeeze cement with 40 sx Class "C" 2% CaCl<sub>2</sub>. WOC. Unseat packer and TOH.
6. Spot 10 sacks of cement from 60' back to 5'.
7. Cut off wellhead. Weld on Dry Hole Marker.

DUGAN PRODUCTION CORP  
MARATHON FEDERAL WELL NO. 1  
NMO659, SENE, Sec. 23, T9S, R37E  
LEA COUNTY, NEW MEXICO  
CURRENT WELL BORE DIAGRAM

ELEVATION - 3980 Ground Level.

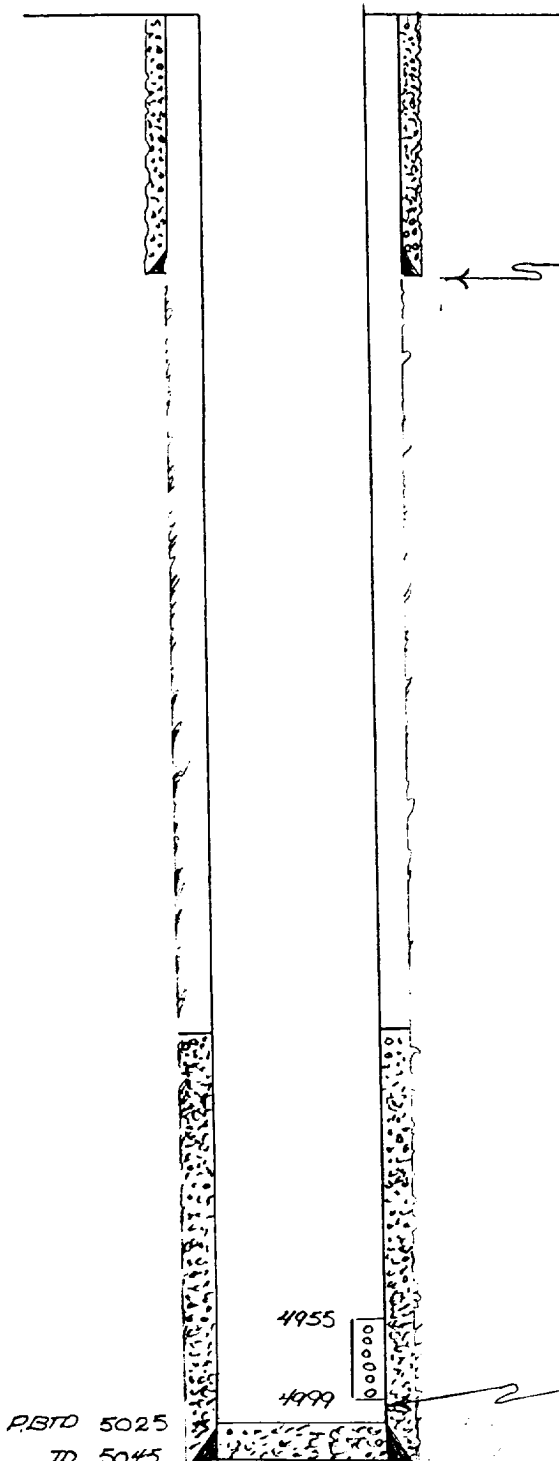
← SURFACE CASING - 8<sup>5</sup>/<sub>8</sub>", 20 lb/ft, ERW,  
Set at 427'. Cemented with 250  
Sacks Class 'H', 2% CaCl. Circulated  
Cement to surface

TOP OF CEMENT 4200' Calculated

PERFORATIONS 4955, 57, 58, 59, 61, 66, 67,  
72, 73, 74, 97, 98, 99

PRODUCTION CASING - 4<sup>1</sup>/<sub>2</sub>" O.D., 9.5 lb/ft, J-55,  
ST&C Set at 5045'. Cemented  
with 250 sacks 50/50 Pozmix-Class C,  
2% gel, 0.75% CFR-2, 8 lb salt.

CURRENT WELLBORE DIAGRAM





DUGAN PRODUCTION CORP  
MARATHON FEDERAL WELL NO. 1  
NM0659, SENE, Sec. 23, T9S, R37E  
LEA COUNTY, NEW MEXICO  
PROPOSED PLUG AND ABANDONMENT STATUS

ELEVATION - 3980 Ground Level

Spot 10 sacks Class C, 2% CaCl, from 60' back to surface.

Perforate 4 Squeeze holes at 427'. Set AD-1 Packer at 327'. Squeeze with 40 sy Class C, 2% CaCl.

SURFACE CASING - 8 5/8", 20 lb/ft, ERW, Set at 427'. Cemented with 250 Sacks Class H, 2% CaCl. Circulated Cement to surface

Perforate 4 Squeeze Holes at 1525'. Set AD-1 Packer at 1125'. Squeeze with 40 sy Class C, 2% CaCl.

Perforate 4 Squeeze Holes @ 2284'. Set AD-1 Packer at 2084'. Squeeze with 40 sacks Class C, 2% CaCl.

TOP OF CEMENT 4200' Calculated

PERFORATIONS 4955, 57, 58, 59, 61, 66, 67, 72, 73, 74, 97, 98, 99

CAST IRON BRIDGE PLUG AT 4905'. 15 Sacks Class C CEMENT ON CIBP.

PRODUCTION CASING - 4 1/2" O.D., 9.5 lb/ft, J-55, ST&C Set at 5045'. Cemented with 250 sacks 50/50 Pozmix-Class C, 2% gel, 0.75% CFR-2, 8 lb salt.

PROPOSED PLUG AND ABANDONMENT STATUS

