

U. S. LAND OFFICE ----- **Santa Fe**
SERIAL NUMBER ----- **078987**
LEASE OR PERMIT TO PROSPECT -----

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED
MAY 22 1959
U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Canyon Largo Unit Field Undesignated P.C. State New Mexico
Well No. 81 Sec. 34 T. 25N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. N of S Line and 1700 ft. E of W Line of Section 34 Elevation 7029
Depth 6,000 feet

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date May 20, 1959 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling April 1 1959 Finished drilling April 5 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2605 to 2670 (9) No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ No. 4, from _____

CASING RECORD

Size casing	Weight lbs/ft	Threads per inch	Nominal diam.	Amount of stock	Kind of steel	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8"	24	8 Rd.	J-55	122'	House				Surface
5 1/2"	15.5	8 Rd.	J-55	260'	House				Production casing
2"	4.7	8 Rd.	J-55	900'	Oil or gas well				Prod. thg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	132'	120	Circulated		
5 1/2"	2699'	85	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 2701 feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

-----~~Aug 11 28~~----- 19 ~~59~~ Put to producing -----, 19-----

The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity, °Bé. -----

If gas well, cu. ft. per 24 hours 5,232,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ----- **638** ----- **A.O.F.--10,157 MCF/D**

EMPLOYEES

_____	_____	_____, Driller	_____	_____, Driller
_____	_____	_____, Driller	_____	_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1930	1930	Tan to gry cr-grn ss interbedded w/gry sh.
1930	2065	135	Ojo Alamo ss. White cr-grn s.
2065	2357	292	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2357	2605	248	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2605	2670	65	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2670	2701	31	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

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CS/L-100-1

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GEOL OGICAL SURVEY

945000 1000000 1100000 1200000 1300000 1400000 1500000 1600000 1700000 1800000 1900000 2000000 2100000 2200000 2300000 2400000 2500000 2600000 2700000 2800000 2900000 3000000 3100000 3200000 3300000 3400000 3500000 3600000 3700000 3800000 3900000 4000000 4100000 4200000 4300000 4400000 4500000 4600000 4700000 4800000 4900000 5000000 5100000 5200000 5300000 5400000 5500000 5600000 5700000 5800000 5900000 6000000 6100000 6200000 6300000 6400000 6500000 6600000 6700000 6800000 6900000 7000000 7100000 7200000 7300000 7400000 7500000 7600000 7700000 7800000 7900000 8000000 8100000 8200000 8300000 8400000 8500000 8600000 8700000 8800000 8900000 9000000 9100000 9200000 9300000 9400000 9500000 9600000 9700000 9800000 9900000 10000000

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Original signed C. D. COX

Location of well and line and lot of Section 34 of T. 25 N. R. 7 E. Meridian

Well No. 15

Lessor or Tract

Company

Address

Box 301, Livingston, New Mexico

Date _____ May 20, 1933 _____
 Title _____ Petroleum Engineer _____
 The summary on this page is for the condition of the well at above date.
 Commenced drilling _____ April 2, 1933 _____
 Finished drilling _____ April 2, 1933 _____
 Date _____ May 20, 1933 _____

OIL OR GAS SANDS OR ZONES

(G) μ and σ are (I)

No. 1, from	to	2000	to	2000	No. 4, from	to
No. 2, from	to		to		No. 5, from	to
No. 3, from	to		to		No. 6, from	to

IMPORTANT WATER SANDS

2010-0658 w/2 sheets/1A: 4/34, 500 gallons water, 40,000⁰⁰ sand.
 3-B-F: 2500⁰⁰, max. W: 2500⁰⁰ 4/34, 500 gallons water, 40,000⁰⁰ sand.
 51 B-F.M. flush 2700 gallons. 2010-0658 w/2 sheets/1A: 4/34, 500 gallons water, 40,000⁰⁰ sand.
 2010-0658 w/2 sheets/1A: 4/34, 500 gallons water, 40,000⁰⁰ sand.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pits or bridges were put in to test for leaks, state where material used, position, nonion, and results of pumping or running.					
0782	29	3 50			
0783	29	3 50			
0784	29	3 50			
0785	29	3 50			
0786	29	3 50			
0787	29	3 50			
0788	29	3 50			
0789	29	3 50			
0790	29	3 50			
0791	29	3 50			
0792	29	3 50			
0793	29	3 50			
0794	29	3 50			
0795	29	3 50			
0796	29	3 50			
0797	29	3 50			
0798	29	3 50			
0799	29	3 50			
0800	29	3 50			

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-43084-2

RECEIVED AND CERTIFICATE RECORD					
DATE	TIME	NAME	ADDRESS	REMARKS	INITIALS
1941	10:30	John Smith	123 Main St.	Received	JS
1941	11:00	John Smith	123 Main St.	Received	JS
1941	11:30	John Smith	123 Main St.	Received	JS
1941	12:00	John Smith	123 Main St.	Received	JS
1941	12:30	John Smith	123 Main St.	Received	JS
1941	13:00	John Smith	123 Main St.	Received	JS
1941	13:30	John Smith	123 Main St.	Received	JS
1941	14:00	John Smith	123 Main St.	Received	JS
1941	14:30	John Smith	123 Main St.	Received	JS
1941	15:00	John Smith	123 Main St.	Received	JS
1941	15:30	John Smith	123 Main St.	Received	JS
1941	16:00	John Smith	123 Main St.	Received	JS
1941	16:30	John Smith	123 Main St.	Received	JS
1941	17:00	John Smith	123 Main St.	Received	JS
1941	17:30	John Smith	123 Main St.	Received	JS
1941	18:00	John Smith	123 Main St.	Received	JS
1941	18:30	John Smith	123 Main St.	Received	JS
1941	19:00	John Smith	123 Main St.	Received	JS
1941	19:30	John Smith	123 Main St.	Received	JS
1941	20:00	John Smith	123 Main St.	Received	JS
1941	20:30	John Smith	123 Main St.	Received	JS
1941	21:00	John Smith	123 Main St.	Received	JS
1941	21:30	John Smith	123 Main St.	Received	JS
1941	22:00	John Smith	123 Main St.	Received	JS
1941	22:30	John Smith	123 Main St.	Received	JS
1941	23:00	John Smith	123 Main St.	Received	JS
1941	23:30	John Smith	123 Main St.	Received	JS
1941	24:00	John Smith	123 Main St.	Received	JS

FIELD AND ADAPTING

Abdomen - Ventral	Length	Depth
Abdomen - Ventral	Length	Depth

SHOOTING RECORD

[illegible]

TOOLS USED

test	to test	test	to test	test	to test	test	to test
test	to test	test	to test	test	to test	test	to test

DATE

Flow measured lbs. per sq. in.	1.0
Gas well, cu. ft. per 24 hours	1,000
emulsion, % water; and % sediment.	10.0
The production for the first 24 hours was	10.0
barrels of fluid of which % was oil; %	10.0
Put to producing	10.0

EMPLOYEES

Drifter			
Drifter			

FORMATION RECORD

FORMATION	TOTAL TONN	10 -	1000 -
1000 to 1001 - 1002 - 1003 - 1004 - 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 - 1332 - 1333 - 1334 - 1335 - 1336 - 1337 - 1338 - 1339 - 1340 - 1341 - 1342 - 1343 - 1344 - 1345 - 1346 - 1347 - 1348 - 1349 - 1350 - 1351 - 1352 - 1353 - 1354 - 1355 - 1356 - 1357 - 1358 - 1359 - 1360 - 1361 - 1362 - 1363 - 1364 - 1365 - 1366 - 1367 - 1368 - 1369 - 1370 - 1371 - 1372 - 1373 - 1374 - 1375 - 1376 - 1377 - 1378 - 1379 - 1380 - 1381 - 1382 - 1383 - 1384 - 1385 - 1386 - 1387 - 1388 - 1389 - 1390 - 1391 - 1392 - 1393 - 1394 - 1395 - 1396 - 1397 - 1398 - 1399 - 1400 - 1401 - 1402 - 1403 - 1404 - 1405 - 1406 - 1407 - 1408 - 1409 - 1410 - 1411 - 1412 - 1413 - 1414 - 1415 - 1416 - 1417 - 1418 - 1419 - 1420 - 1421 - 1422 - 1423 - 1424 - 1425 - 1426 - 1427 - 1428 - 1429 - 1430 - 1431 - 1432 - 1433 - 1434 - 1435 - 1436 - 1437 - 1438 - 1439 - 1440 - 1441 - 1442 - 1443 - 1444 - 1445 - 1446 - 1447 - 1448 - 1449 - 1450 - 1451 - 1452 - 1453 - 1454 - 1455 - 1456 - 1457 - 1458 - 1459 - 1460 - 1461 - 1462 - 1463 - 1464 - 1465 - 1466 - 1467 - 1468 - 1469 - 1470 - 1471 - 1472 - 1473 - 1474 - 1475 - 1476 - 1477 - 1478 - 1479 - 1480 - 1481 - 1482 - 1483 - 1484 - 1485 - 1486 - 1487 - 1488 - 1489 - 1490 - 1491 - 1492 - 1493 - 1494 - 1495 - 1496 - 1497 - 1498 - 1499 - 1500 - 1501 - 1502 - 1503 - 1504 - 1505 - 1506 - 1507 - 1508 - 1509 - 1510 - 1511 - 1512 - 1513 - 1514 - 1515 - 1516 - 1517 - 1518 - 1519 - 1520 - 1521 - 1522 - 1523 - 1524 - 1525 - 1526 - 1527 - 1528 - 1529 - 1530 - 1531 - 1532 - 1533 - 1534 - 1535 - 1536 - 1537 - 1538 - 1539 - 1540 - 1541 - 1542 - 1543 - 1544 - 1545 - 1546 - 1547 - 1548 - 1549 - 1550 - 1551 - 1552 - 1553 - 1554 - 1555 - 1556 - 1557 - 1558 - 1559 - 1560 - 1561 - 1562 - 1563 - 1564 - 1565 - 1566 - 1567 - 1568 - 1569 - 1570 - 1571 - 1572 - 1573 - 1574 - 1575 - 1576 - 1577 - 1578 - 1579 - 1580 - 1581 - 1582 - 1583 - 1584 - 1585 - 1586 - 1587 - 1588 - 1589 - 1590 - 1591 - 1592 - 1593 - 1594 - 1595 - 1596 - 1597 - 1598 - 1599 - 1600 - 1601 - 1602 - 1603 - 1604 - 1605 - 1606 - 1607 - 1608 - 1609 - 1610 - 1611 - 1612 - 1613 - 1614 - 1615 - 1616 - 1617 - 1618 - 1619 - 1620 - 1621 - 1622 - 1623 - 1624 - 1625 - 1626 - 1627 - 1628 - 1629 - 1630 - 1631 - 1632 - 1633 - 1634 - 1635 - 1636 - 1637 - 1638 - 1639 - 1640 - 1641 - 1642 - 1643 - 1644 - 1645 - 1646 - 1647 - 1648 - 1649 - 1650 - 1651 - 1652 - 1653 - 1654 - 1655 - 1656 - 1657 - 1658 - 1659 - 1660 - 1661 - 1662 - 1663 - 1664 - 1665 - 1666 - 1667 - 1668 - 1669 - 1670 - 1671 -			

14-00000

FORMATION RECORD—Continued