

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

330

1630.8

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AREA 640 ACRES  
LOCATE WELL CORRECTLY

Magnolia Petroleum Company

New Mex "NW"

(Company or Operator)

(Lease)

Well No. 1, in NE 1/4 of NW 1/4, of Sec. 1, T. 18S, R. 28E, NMPM.

Undesignated Pool, Eddy County.

Well is 1630.8 feet from West line and 330 feet from North line of Section 1. If State Land the Oil and Gas Lease No. is E-1284

Drilling Commenced September 15, 1956 Drilling was Completed October 7, 1956

Name of Drilling Contractor S. P. Yates Drilling Company

Address Carper Building, Artesia, New Mexico

Elevation above sea level at Top of Tubing Head 3662 The information given is to be kept confidential until , 19.

OIL SANDS OR ZONES

No. 1, from to No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet

No. 2, from to feet

No. 3, from to feet

No. 4, from to feet

CASING RECORD

| SIZE  | WEIGHT PER FOOT | NEW OR USED | AMOUNT | KIND OF SHOE | CUT AND PULLED FROM | PERFORATIONS           | PURPOSE    |
|-------|-----------------|-------------|--------|--------------|---------------------|------------------------|------------|
| 8 5/8 | 29#             | Used        | 710    |              |                     |                        | Surface    |
| 5 1/2 | 14#             | New         | 3410   |              |                     | (2636-2652, 2581-2589) | Oil String |
|       |                 |             |        |              |                     |                        |            |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 11           | 8 5/8          | 710       | 500                 | Pump & Plug |             |                    |
| 7 7/8        | 5 1/2          | 3410      | 750                 | Pump & Plug |             |                    |
|              |                |           |                     |             |             |                    |

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

(See Attachment)

Result of Production Stimulation

Depth Cleaned Out

CORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 3410 feet, and from - - - feet to - - - feet.  
Cable tools were used from - - - feet to - - - feet, and from - - - feet to - - - feet.

PRODUCTION

Put to Producing. October 27, 1956  
OIL WELL: The production during the first 24 hours was 15 barrels of liquid of which 100 % was  
was oil; - - - % was emulsion; 12 % water; and - - - % was sediment. A.P.I.  
Gravity. 28.3  
GAS WELL: The production during the first 24 hours was - - - M.C.F. plus - - - barrels of  
liquid Hydrocarbon. Shut in Pressure - - - lbs.  
Length of Time Shut in - - -

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

|                     |                 |                        |
|---------------------|-----------------|------------------------|
| T. Anhy.            | T. Devonian.    | T. Ojo Alamo.          |
| T. Salt.            | T. Silurian.    | T. Kirtland-Fruitland. |
| B. Salt. 682        | T. Montoya.     | T. Farmington.         |
| T. Yates. 865       | T. Simpson.     | T. Pictured Cliffs.    |
| T. 7 Rivers.        | T. McKee.       | T. Menefee.            |
| T. Queen. 1830      | T. Ellenburger. | T. Point Lookout.      |
| T. Grayburg.        | T. Gr. Wash.    | T. Mancos.             |
| T. San Andres. 2698 | T. Granite.     | T. Dakota.             |
| T. Glorieta.        | T.              | T. Morrison.           |
| T. Drinkard.        | T.              | T. Penn.               |
| T. Tubbs.           | T.              | T.                     |
| T. Abo.             | T.              | T.                     |
| T. Penn.            | T.              | T.                     |
| T. Miss.            | T.              | T.                     |

FORMATION RECORD

| From | To   | Thickness<br>in Feet | Formation                                      | From                            | To   | Thickness<br>in Feet | Formation       |
|------|------|----------------------|------------------------------------------------|---------------------------------|------|----------------------|-----------------|
| 0    | 30   | 30                   | Caliche                                        | 2606                            | 2608 | 2                    | Dolomite        |
| 30   | 150  | 120                  | Red Bed                                        | 2608                            | 2662 | 54                   | Core #6         |
| 150  | 365  | 215                  | Red Bed & Sand Streaks                         | 2662                            | 2718 | 56                   | Core #7         |
| 365  | 440  | 75                   | Red Bed, Sand & Lime                           | Strapped Drill Pipe 2718 = 2726 |      |                      |                 |
| 440  | 680  | 240                  | Red Rock & Gyp                                 | 2718                            | 2755 | 37                   | Lime            |
| 680  | 875  | 195                  | Anhydrite                                      | 2755                            | 2785 | 30                   | Dolomite        |
| 875  | 1240 | 365                  | Anhydrite & Streaks Red Bed                    | 2785                            | 2810 | 25                   | Dolomite & Lime |
| 1240 | 1697 | 457                  | Anhydrite                                      | 2810                            | 3313 | 503                  | Lime            |
| 1697 | 1890 | 193                  | Anhydrite & Streaks Red Bed                    | 3313                            | 3367 | 54                   | Core #8         |
| 1890 | 1910 | 20                   | Red Sand                                       | 3367                            | 3410 | 43                   | Lime            |
| 1910 | 1985 | 75                   | Anhydrite, Streaks Red Bed & Stringers of Lime |                                 |      |                      |                 |
| 1985 | 2010 | 25                   | Anhydrite w/Lime Streaks                       |                                 |      |                      | 6               |
| 2010 | 2110 | 100                  | Lime                                           |                                 |      |                      |                 |
| 2110 | 2365 | 255                  | Lime & Dolomite                                |                                 |      |                      |                 |
| 2365 | 2420 | 55                   | Lime                                           |                                 |      |                      |                 |
| 2420 | 2429 | 9                    | Core #1                                        |                                 |      |                      |                 |
| 2429 | 2461 | 32                   | Core #2                                        |                                 |      |                      | 1               |
| 2461 | 2500 | 39                   | Core #3                                        |                                 |      |                      |                 |
| 2500 | 2580 | 80                   | Lime                                           |                                 |      |                      |                 |
| 2580 | 2590 | 10                   | Core #4                                        |                                 |      |                      | 1               |
| 2590 | 2606 | 16                   | Core #5                                        |                                 |      |                      | 2               |

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

November 8, 1956

(Date)

Company or Operator. Magnolia Petroleum Company  
Name. C. G. Miller  
Address. Box 727, Kermit, Texas  
Position or Title. Assistant District Superintendent

Total Deviation Survey

| Depth | Deviation Off Vertical |
|-------|------------------------|
| 710   | 1/2                    |
| 1400  | 1                      |
| 2080  | 1 1/2                  |
| 2780  | 1                      |
| 3290  | 3/4                    |

Core Record

| No. | From | To   | Log | Description                                                                                                                                                                                                                                                                              |
|-----|------|------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | 2420 | 2429 | 8'  | Very finely crystalline dolomite w/anhydrite inclusions, no show.                                                                                                                                                                                                                        |
| 2   | 2429 | 2461 | 32' | Very finely crystalline dolomite w/anhydrite inclusions, no show.                                                                                                                                                                                                                        |
| 3   | 2461 | 2500 | 31' | Sand & Dolomite, no shows.                                                                                                                                                                                                                                                               |
| 4   | 2580 | 2590 | 8'  | Dolomite, sand and shale. 2581-2582, 1' w/stain and fluorescence.                                                                                                                                                                                                                        |
| 5   | 2590 | 2606 | 16' | Dense dolomite and sand, no show.                                                                                                                                                                                                                                                        |
| 6   | 2608 | 2662 | 53' | 2608-2615 Dolomite, no show. 2615-2618 Sand, bleeding good odor, stain and fluorescence. 2618-2623 Dolomite, no show. 2623-2630 Sand, no show. 2630-2633 Dolomite, no show. 2633-2635 Sand, no show. 2635-2639 Sand, bleeding, good odor, stain & fluorescence. 2639-2662 Sand, no show. |
| 7   | 2662 | 2718 | 56' | 2662-2664 Sand, no show. 2664-2666 Sand, odor, spotted and fluorescence. 2666-2680 Sand and dolomite, no show. 2680-2682 Sand, fair stain, fluorescence and odor. 2682-2686 Sand and dolomite, no show. 2686-2690 Sand, odor, stain and fluorescence. 2690-2718 Dolomite, no show.       |
| 8   | 3311 | 3367 | 56' | Shale and dolomite. 3311-3323 Dolomite and shale, no show. 3323-3352 Dolomite, bleeding oil very slightly, tight. 3352-3367 Dolomite, no show.                                                                                                                                           |

Drill Stem Tests

None

Acidizing Or Other Completion Operation

|          |                                                                                                                                                                                                                                                     |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10/12/56 | Cardinal acidized perf 3313-3321 w/1000 gallons 15% XLST. TP 3200-2000#, 12 minutes, 2 BPM, 5 minute SIP 1500#. Flowed 14 BLO (all) in 1 hour, 3/4" choke and died. Swabbed 7 BWO / 8 BAW in 11 hours, no gas.                                      |
| 10/12/56 | Halliburton sand oil free perf. 3313-3321 w/4000 gallons oil and sand. TP 2800-2600#, 24.9 BPM, 5 minute SIP 2000#, 6 hour SIP 1300#. Flowed 47 BLO in 1 hour, 18/64" choke and died. Swabbed 167 BLO in 30 hours, no gas. Did not recover 142 BLO. |
| 10/14/56 | Set CIBP @ 3300 w/5 sks. cement on top.                                                                                                                                                                                                             |
| 10/14/56 | Cardinal acidized perf. 3235-3252 w/2000 gallons 15% Regular. TP 3400-1500#, 1.6 BPM, 30 minutes. 5 minute SIP 1000#. Swabbed 15 BLO (all) / 35 BAW in 16 hours. Slight show of gas.                                                                |
| 10/15/56 | Halliburton sand oil free perf. 3235-3252 w/10,000# sand and oil down 5 1/2" casing and tubing. CP 2750-2300#, 20 BPM, 12 minutes, 5 minute SIP 1600#, 6 hour SIP 1375#. Swabbed 273 BLO / 8 BAW in 35 hours, no gas. Did not recover 123 BLO.      |
| 10/17/56 | Set CIBP @ 2800' w/1 sk. cement on top.                                                                                                                                                                                                             |
| 10/17/56 | Cardinal acidized perf 2684-2702 w/500 gallons 15% Regular. TP 2600-1400#, 6 minutes, 2 BPM. Swabbed 56 BLO (all) / 8 BAW in 6 hours, no gas.                                                                                                       |

Total Penetration Survey

| Depth | Penetration |
|-------|-------------|
| 1400  | 1 1/2       |
| 1450  | 1 1/2       |
| 1500  | 1 1/2       |
| 1550  | 1 1/2       |
| 1600  | 1 1/2       |

Core Record

| No. | From | To   | Rec. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| 1   | 1400 | 1450 | SI   | Very finely crystalline dolomite w/ anhydrite inclusions, no show.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| 2   | 1450 | 1500 | SI   | Very finely crystalline dolomite w/ anhydrite inclusions, no show.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| 3   | 1500 | 1550 | SI   | Sand & dolomite, no show.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| 4   | 1550 | 1600 | SI   | Dolomite, sand and shale. 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, 1671-1672, 1673-1674, 1675-1676, 1677-1678, 1679-1680, 1681-1682, 1683-1684, 1685-1686, 1687-1688, 1689-1690, 1691-1692, 1693-1694, 1695-1696, 1697-1698, 1699-1700, 1701-1702, 1703-1704, 1705-1706, 1707-1708, 1709-1710, 1711-1712, 1713-1714, 1715-1716, 1717-1718, 1719-1720, 1721-1722, 1723-1724, 1725-1726, 1727-1728, 1729-1730, 1731-1732, 1733-1734, 1735-1736, 1737-1738, 1739-1740, 1741-1742, 1743-1744, 1745-1746, 1747-1748, 1749-1750, 1751-1752, 1753-1754, 1755-1756, 1757-1758, 1759-1760, 1761-1762, 1763-1764, 1765-1766, 1767-1768, 1769-1770, 1771-1772, 1773-1774, 1775-1776, 1777-1778, 1779-1780, 1781-1782, 1783-1784, 1785-1786, 1787-1788, 1789-1790, 1791-1792, 1793-1794, 1795-1796, 1797-1798, 1799-1800, 1801-1802, 1803-1804, 1805-1806, 1807-1808, 1809-1810, 1811-1812, 1813-1814, 1815-1816, 1817-1818, 1819-1820, 1821-1822, 1823-1824, 1825-1826, 1827-1828, 1829-1830, 1831-1832, 1833-1834, 1835-1836, 1837-1838, 1839-1840, 1841-1842, 1843-1844, 1845-1846, 1847-1848, 1849-1850, 1851-1852, 1853-1854, 1855-1856, 1857-1858, 1859-1860, 1861-1862, 1863-1864, 1865-1866, 1867-1868, 1869-1870, 1871-1872, 1873-1874, 1875-1876, 1877-1878, 1879-1880, 1881-1882, 1883-1884, 1885-1886, 1887-1888, 1889-1890, 1891-1892, 1893-1894, 1895-1896, 1897-1898, 1899-1900, 1901-1902, 1903-1904, 1905-1906, 1907-1908, 1909-1910, 1911-1912, 1913-1914, 1915-1916, 1917-1918, 1919-1920, 1921-1922, 1923-1924, 1925-1926, 1927-1928, 1929-1930, 1931-1932, 1933-1934, 1935-1936, 1937-1938, 1939-1940, 1941-1942, 1943-1944, 1945-1946, 1947-1948, 1949-1950, 1951-1952, 1953-1954, 1955-1956, 1957-1958, 1959-1960, 1961-1962, 1963-1964, 1965-1966, 1967-1968, 1969-1970, 1971-1972, 1973-1974, 1975-1976, 1977-1978, 1979-1980, 1981-1982, 1983-1984, 1985-1986, 1987-1988, 1989-1990, 1991-1992, 1993-1994, 1995-1996, 1997-1998, 1999-2000, 2001-2002, 2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, 2015-2016, 2017-2018, 2019-2020, 2021-2022, 2023-2024, 2025-2026, 2027-2028, 2029-2030, 2031-2032, 2033-2034, 2035-2036, 2037-2038, 2039-2040, 2041-2042, 2043-2044, 2045-2046, 2047-2048, 2049-2050, 2051-2052, 2053-2054, 2055-2056, 2057-2058, 2059-2060, 2061-2062, 2063-2064, 2065-2066, 2067-2068, 2069-2070, 2071-2072, 2073-2074, 2075-2076, 2077-2078, 2079-2080, 2081-2082, 2083-2084, 2085-2086, 2087-2088, 2089-2090, 2091-2092, 2093-2094, 2095-2096, 2097-2098, 2099-2100, 2101-2102, 2103-2104, 2105-2106, 2107-2108, 2109-2110, 2111-2112, 2113-2114, 2115-2116, 2117-2118, 2119-2120, 2121-2122, 2123-2124, 2125-2126, 2127-2128, 2129-2130, 2131-2132, 2133-2134, 2135-2136, 2137-2138, 2139-2140, 2141-2142, 2143-2144, 2145-2146, 2147-2148, 2149-2150, 2151-2152, 2153-2154, 2155-2156, 2157-2158, 2159-2160, 2161-2162, 2163-2164, 2165-2166, 2167-2168, 2169-2170, 2171-2172, 2173-2174, 2175-2176, 2177-2178, 2179-2180, 2181-2182, 2183-2184, 2185-2186, 2187-2188, 2189-2190, 2191-2192, 2193-2194, 2195-2196, 2197-2198, 2199-2200, 2201-2202, 2203-2204, 2205-2206, 2207-2208, 2209-2210, 2211-2212, 2213-2214, 2215-2216, 2217-2218, 2219-2220, 2221-2222, 2223-2224, 2225-2226, 2227-2228, 2229-2230, 2231-2232, 2233-2234, 2235-2236, 2237-2238, 2239-2240, 2241-2242, 2243-2244, 2245-2246, 2247-2248, 2249-2250, 2251-2252, 2253-2254, 2255-2256, 2257-2258, 2259-2260, 2261-2262, 2263-2264, 2265-2266, 2267-2268, 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ATTACHMENT - New Max "N" #1

Acidizing & Other Completion Operation (Continued)

- 10/18/56 Halliburton sand oil frac perf. 2684-2702, w/2880 gallons oil and sand. GP 2800-3150#, 25 BPM, 10 minutes, 10 minute SIP 1800#, 6 hour SIP 1200#. Swabbed 363 BLO / 23 BSW in 41 hours. Did not recover 75 BLO. No gas.
- 10/20/56 Set GIBP @ 2670' w/5' cement on top.
- 10/20/56 Cardinal acidized perf. 2646-2652, w/500 gallons 15% Regular. TP 3200-1800#, 1 1/2 BPM. Swabbed 61 BLO (all) / 6 BSW, in 4 hours.
- 10/21/56 Halliburton sand oil frac perf. 2646-2652, w/4000 gallons oil and sand, down 2" tubing and casing. GP 3300-3100, 10 minute SIP 1700#, 23.7 BPM, SI 6 hours, GP 1400#. Swabbed 233 BLO / 6 BAW / 5 BSW, in 29 hours. Did not recover 156 BLO. Slight show gas.
- 10/23/56 Western Company sand oil frac perf. 2636-2646, w/10,000 gallons oil and sand, down 5 1/2" casing and 2" tubing. GP 3300-3400#, 18.1 BPM, 5 minute SIP 1800#, 6 hour SIP 1200#. Swabbed 331 BLO / 16 BSW, in 24 hours. Slight show gas. Did not recover 155 BLO.
- 10/26/56 Halliburton sand oil frac perf. 2581-<sup>2589</sup>2589, w/4000 gallons, w/250 gallons MCA acid ahead of frac, down 2" tubing and 5 1/2" casing. GP 3400-3100#, 25 BPM, 5 minute SIP 1500#. Job complete 8:20 A.M. SI 6 hours, GP 500#. Flowed 57 BLO in 3 hours, 3/4" choke. Swabbed 153 BLO / 6 BAW in 21 hours. Pumped 127 BLO (all) / 16 BSW in 113 hours.

