

U. S. LAND OFFICE _____ Santa Fe
SERIAL NUMBER _____ SF 079065
LEASE OR PERMIT TO PROSPECT _____
Harwood #1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Ted M. White Address 142 Truman N.E.
Lessor or Tract Aztec Oil & Gas Co. Field West Kutz State New Mexico
Well No. 1 Sec. 20 T. 29N R. 13W Meridian N.M.P.M. County San Juan
Location 1030 ft. N of N Line and 790 ft. E of E Line of Sec. 20 Elevation 5331.7
(Derrick floor relative to sea level)

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.

Signed

Date September 24, 1958

Title	Mtrls. Acct.
1. 1941-1942	
2. 1943-1944	
3. 1945-1946	
4. 1947-1948	
5. 1949-1950	
6. 1951-1952	
7. 1953-1954	
8. 1955-1956	
9. 1957-1958	
10. 1959-1960	
11. 1961-1962	
12. 1963-1964	
13. 1965-1966	
14. 1967-1968	
15. 1969-1970	
16. 1971-1972	
17. 1973-1974	
18. 1975-1976	
19. 1977-1978	
20. 1979-1980	
21. 1981-1982	
22. 1983-1984	
23. 1985-1986	
24. 1987-1988	
25. 1989-1990	
26. 1991-1992	
27. 1993-1994	
28. 1995-1996	
29. 1997-1998	
30. 1999-2000	
31. 2001-2002	
32. 2003-2004	
33. 2005-2006	
34. 2007-2008	
35. 2009-2010	
36. 2011-2012	
37. 2013-2014	
38. 2015-2016	
39. 2017-2018	
40. 2019-2020	
41. 2021-2022	
42. 2023-2024	
43. 2025-2026	
44. 2027-2028	
45. 2029-2030	
46. 2031-2032	
47. 2033-2034	
48. 2035-2036	
49. 2037-2038	
50. 2039-2040	
51. 2041-2042	
52. 2043-2044	
53. 2045-2046	
54. 2047-2048	
55. 2049-2050	
56. 2051-2052	
57. 2053-2054	
58. 2055-2056	
59. 2057-2058	
60. 2059-2060	
61. 2061-2062	
62. 2063-2064	
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64. 2067-2068	
65. 2069-2070	
66. 2071-2072	
67. 2073-2074	
68. 2075-2076	
69. 2077-2078	
70. 2079-2080	
71. 2081-2082	
72. 2083-2084	
73. 2085-2086	
74. 2087-2088	
75. 2089-2090	
76. 2091-2092	
77. 2093-2094	
78. 2095-2096	
79. 2097-2098	
80. 2099-2100	
81. 2101-2102	
82. 2103-2104	
83. 2105-2106	
84. 2107-2108	
85. 2109-2110	
86. 2111-2112	
87. 2113-2114	
88. 2115-2116	
89. 2117-2118	
90. 2119-2120	
91. 2121-2122	
92. 2123-2124	
93. 2125-2126	
94. 2127-2128	
95. 2129-2130	
96. 2131-2132	
97. 2133-2134	
98. 2135-2136	
99. 2137-2138	
100. 2139-2140	
101. 2141-2142	
102. 2143-2144	
103. 2145-2146	
104. 2147-2148	
105. 2149-2150	
106. 2151-2152	
107. 2153-2154	
108. 2155-2156	
109. 2157-2158	
110. 2159-2160	
111. 2161-2162	
112. 2163-2164	
113. 2165-2166	
114. 2167-2168	
115. 2169-2170	
116. 2171-2172	
117. 2173-2174	
118. 2175-2176	
119. 2177-2178	
120. 2179-2180	
121. 2181-2182	
122. 2183-2184	
123. 2185-2186	
124. 2187-2188	
125. 2189-2190	
126. 2191-2192	
127. 2193-2194	
128. 2195-2196	
129. 2197-2198	
130. 2199-2200	

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

Commenced drilling 1-10, 19 53 Finished drilling 4-2 19 53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from G-1124 to 1132 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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9 5/8	32	8	J 55	100	Coupling		None		Surface
4 1/2	8.5	8	P 55	100	Ball joint		Not to top		Surface
HISTORY OF OIL ON CYR METT									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	100'	75	Halliburton		None
4 1/2	1107	50	Halliburton		None

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----
Adapters—Material ----- Size -----

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		None				

TOOLS USED

Rotary tools were used from 0 feet to 1107 feet, and from _____ feet to _____ feet
Cable tools were used from 1107 feet to 1132 feet, and from _____ feet to _____ feet

DATES

~~Temporarily abandoned 6/27/58~~

Put to producing _____, 19____

The production for the first 24 hours was No barrels of fluid of which -----% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity, °Bé. -----

If gas well, cu. ft. per 24 hours Est. 300,000 Gallons gasoline per 1,000 cu. ft. of gas None

Rock pressure, lbs. per sq. in. Est. 300#

EMPLOYEES

Crescent Drilling Co. _____, Driller _____, Driller
 Wheeler Drilling Co. _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	115	115'	Sand Stone
115	750	635'	Broken sand and shale -little water
750	1103	353	Shale and sand
1103	1124	21	Pictured Cliffs Sand
1124	1132	8	Gas
			Electric Log was run to the top of Pictured Cliffs sand.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

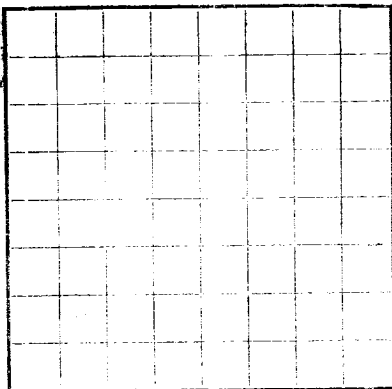
LEASE OR PERMIT TO PROSPECT

SERIAL NUMBER

U. S. LAND OFFICE

Approval expires 12-31-06
Budget Bureau No. 42-10354

Form 9-380



LOCATE WELL CORRECTLY

Company _____
Lessor or Tract _____
Well No. _____ Sec. _____ T. _____ R. _____
Location _____ ft. _____ of _____ line and _____ ft. _____ of _____
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.
Signed _____
Date _____ Title _____

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

Commenced drilling _____, 19____ Finished drilling _____, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

IMPORTANT WATER SANDS

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

CASING RECORD

Casing	Depth	Weight	Threads per foot	Mark	Amount	Kind of shoe	Cut and pulled from	Performed	Purpose
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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 "struck" 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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE
16-43094-2

MUDDING AND CEMENTING RECORD

Casing	Size	Weight	Number sacks of cement	Method used	Mud strat.	Amount of mud used
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PLUGS AND ADAPTERS

Heaving plug—Material _____
Adapters—Material _____
Size _____
Length _____
Depth set _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
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TOOLS USED

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

DATES

Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
Gallons gasoline per 1,000 cu. ft. of gas _____
Gravity, °Bé. _____
If water; and _____% sediment.
If gas, _____ per 24 hours
If pressure, _____ per sq. in.

EMPLOYEES

Driller _____
Driller _____
Driller _____

FORMATION RECORD

FORMATION	TOTAL FEET	TO -
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