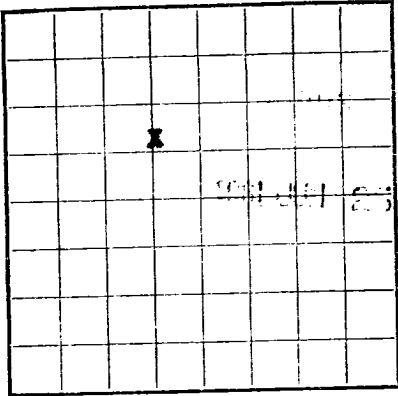


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SM 01744
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Great Western Drilling Company Address Box 1659, Midland, Texas
Lessor or Tract Federal "T-1" # Field East Allison (Pena) State New Mexico
Well No. 2 Sec. 8 T-2 R. 32-E Meridian SMN County Lee
Location 1900 ft. [S.] of N Line and 1900 ft. [E.] of W Line of Sec. 8 Elevation 4024
(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 [Signature]

Date June 22, 1961 Title Administrative Coordinator

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

Commenced drilling April 20, 1961 Finished drilling June 3, 1961

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 9673 to 9675 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 None Recorded No. 3, from _____ to _____
No. 2, 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—	
<u>10-3/4</u>	<u>32</u>	<u>8</u>	<u>H-40</u>	<u>225</u>	<u>Tap, Plug</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>
<u>7-5/8</u>	<u>28.4</u>	<u>8</u>	<u>J-55</u>	<u>4272</u>	<u>Floater</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>
<u>4-1/2</u>	<u>11.6</u>	<u>8</u>	<u>H-80</u>	<u>9696</u>	<u>Floater</u>	<u>None</u>	<u>9673</u>	<u>9675</u>	<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4</u>	<u>235</u>	<u>225</u>	<u>Pump</u>	<u>10.0</u>	<u>250 bbls.</u>
<u>7-5/8</u>	<u>4290</u>	<u>1700</u>	<u>Pump & Plug</u>	<u>9.40</u>	<u>550 bbls.</u>
<u>4-1/2</u>	<u>9714</u>	<u>1375</u>	<u>Pump & Plug</u>	<u>9.00</u>	<u>590 bbls.</u>

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

TOOLS USED

Rotary tools were used from 0 feet to 9714 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

June 23, 1961 Put to producing June 20, 1961

The production for the first 24 hours was 650 barrels of fluid of which 24 % was oil; _____ %
emulsion; 76 % water; and _____ % sediment. (Pumping) Gravity, °Bé. 38

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>225</u>	<u>225</u>	<u>Sand and caliche</u>
<u>225</u>	<u>2275</u>	<u>2050</u>	<u>Sand and red beds</u>
<u>2275</u>	<u>2345</u>	<u>70</u>	<u>Anhydrite (Top)</u>
<u>2345</u>	<u>2865</u>	<u>520</u>	<u>Salt (Top of Yates)</u>
<u>2865</u>	<u>4145</u>	<u>1280</u>	<u>Sand, anhydrite and shale</u>
<u>4145</u>	<u>5005</u>	<u>860</u>	<u>Dolomite and anhydrite (Top of San Andres)</u>
<u>5005</u>	<u>5549</u>	<u>544</u>	<u>Lime</u>
<u>5549</u>	<u>6936</u>	<u>1387</u>	<u>Lime, dol. anhy. shale (Top of Glorieta)</u>
<u>6936</u>	<u>7699</u>	<u>763</u>	<u>Dolomite, anhydrite and sand (Top of Tubbs)</u>
<u>7699</u>	<u>9065</u>	<u>1366</u>	<u>Shale, dolomite and chert (Top of Abe)</u>
<u>9065</u>	<u>9393</u>	<u>328</u>	<u>Lime, shale, chert and sand (Top of Wolfcamp)</u>
<u>9393</u>	<u>9568</u>	<u>175</u>	<u>Lime and shale. (Top of 3 Bros.)</u>
<u>9568</u>	<u>9597</u>	<u>29</u>	<u>Lime and Shale (Top of Bough A)</u>
<u>9597</u>	<u>9654</u>	<u>57</u>	<u>Lime and Shale (Top of Bough B)</u>
<u>9654</u>	<u>9714</u>	<u>55</u>	<u>Lime and shale (Top of Bough C)</u>

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
100.0	100.0	0.0	100.0
99.9	99.9	0.0	99.9
99.8	99.8	0.0	99.8
99.7	99.7	0.0	99.7
99.6	99.6	0.0	99.6
99.5	99.5	0.0	99.5
99.4	99.4	0.0	99.4
99.3	99.3	0.0	99.3
99.2	99.2	0.0	99.2
99.1	99.1	0.0	99.1
99.0	99.0	0.0	99.0
98.9	98.9	0.0	98.9
98.8	98.8	0.0	98.8
98.7	98.7	0.0	98.7
98.6	98.6	0.0	98.6
98.5	98.5	0.0	98.5
98.4	98.4	0.0	98.4
98.3	98.3	0.0	98.3
98.2	98.2	0.0	98.2
98.1	98.1	0.0	98.1
98.0	98.0	0.0	98.0
97.9	97.9	0.0	97.9
97.8	97.8	0.0	97.8
97.7	97.7	0.0	97.7
97.6	97.6	0.0	97.6
97.5	97.5	0.0	97.5
97.4	97.4	0.0	97.4
97.3	97.3	0.0	97.3
97.2	97.2	0.0	97.2
97.1	97.1	0.0	97.1
97.0	97.0	0.0	97.0
96.9	96.9	0.0	96.9
96.8	96.8	0.0	96.8
96.7	96.7	0.0	96.7
96.6	96.6	0.0	96.6
96.5	96.5	0.0	96.5
96.4	96.4	0.0	96.4
96.3	96.3	0.0	96.3
96.2	96.2	0.0	96.2
96.1	96.1	0.0	96.1
96.0	96.0	0.0	96.0
95.9	95.9	0.0	95.9
95.8	95.8	0.0	95.8
95.7	95.7	0.0	95.7
95.6	95.6	0.0	95.6
95.5	95.5	0.0	95.5
95.4	95.4	0.0	95.4
95.3	95.3	0.0	95.3
95.2	95.2	0.0	95.2
95.1	95.1	0.0	95.1
95.0	95.0	0.0	95.0
94.9	94.9	0.0	94.9
94.8	94.8	0.0	94.8
94.7	94.7	0.0	94.7
94.6	94.6	0.0	94.6
94.5	94.5	0.0	94.5
94.4	94.4	0.0	94.4
94.3	94.3	0.0	94.3
94.2	94.2	0.0	94.2
94.1	94.1	0.0	94.1
94.0	94.0	0.0	94.0
93.9	93.9	0.0	93.9
93.8	93.8	0.0	93.8
93.7	93.7	0.0	93.7
93.6	93.6	0.0	93.6
93.5	93.5	0.0	93.5
93.4	93.4	0.0	93.4
93.3	93.3	0.0	93.3
93.2	93.2	0.0	93.2
93.1	93.1	0.0	93.1
93.0	93.0	0.0	93.0
92.9	92.9	0.0	92.9
92.8	92.8	0.0	92.8
92.7	92.7	0.0	92.7
92.6	92.6	0.0	92.6
92.5	92.5	0.0	92.5
92.4	92.4	0.0	92.4
92.3	92.3	0.0	92.3
92.2	92.2	0.0	92.2
92.1	92.1	0.0	92.1
92.0	92.0	0.0	92.0
91.9	91.9	0.0	91.9
91.8	91.8	0.0	91.8
91.7	91.7	0.0	91.7
91.6	91.6	0.0	91.6
91.5	91.5	0.0	91.5
91.4	91.4	0.0	91.4
91.3	91.3	0.0	91.3
91.2	91.2	0.0	91.2
91.1	91.1	0.0	91.1
91.0	91.0	0.0	91.0
90.9	90.9	0.0	90.9
90.8	90.8	0.0	90.8
90.7	90.7	0.0	90.7
90.6	90.6	0.0	90.6
90.5	90.5	0.0	90.5
90.4	90.4	0.0	90.4
90.3	90.3	0.0	90.3
90.2	90.2	0.0	90.2
90.1	90.1	0.0	90.1
90.0	90.0	0.0	90.0
89.9	89.9	0.0	89.9
89.8	89.8	0.0	89.8
89.7	89.7	0.0	89.7
89.6	89.6	0.0	89.6
89.5	89.5	0.0	89.5
89.4	89.4	0.0	89.4
89.3	89.3	0.0	89.3
89.2	89.2	0.0	89.2
89.1	89.1	0.0	89.1
89.0	89.0	0.0	89.0
88.9	88.9	0.0	88.9
88.8	88.8	0.0	88.8
88.7	88.7	0.0	88.7
88.6	88.6	0.0	88.6
88.5	88.5	0.0	88.5
88.4	88.4	0.0	88.4
88.3	88.3	0.0	88.3
88.2	88.2	0.0	88.2
88.1	88.1	0.0	88.1
88.0	88.0	0.0	88.0
87.9	87.9	0.0	87.9
87.8	87.8	0.0	87.8
87.7	87.7	0.0	87.7
87.6	87.6	0.0	87.6
87.5	87.5	0.0	87.5
87.4	87.4	0.0	87.4
87.3	87.3	0.0	87.3
87.2	87.2	0.0	87.2
87.1	87.1	0.0	87.1
87.0	87.0	0.0	87.0
86.9	86.9	0.0	86.9
86.8	86.8	0.0	86.8
86.7	86.7	0.0	86.7
86.6	86.6	0.0	86.6
86.5	86.5	0.0	86.5
86.4	86.4	0.0	86.4
86.3	86.3	0.0	86.3
86.2	86.2	0.0	86.2
86.1	86.1	0.0	86.1
86.0	86.0	0.0	86.0
85.9	85.9	0.0	85.9
85.8	85.8	0.0	85.8
85.7	85.7	0.0	85.7
85.6	85.6	0.0	85.6
85.5	85.5	0.0	85.5
85.4	85.4	0.0	85.4
85.3	85.3	0.0	85.3
85.2	85.2	0.0	85.2
85.1	85.1	0.0	85.1
85.0	85.0	0.0	85.0
84.9	84.9	0.0	84.9
84.8	84.8	0.0	84.8
84.7	84.7	0.0	84.7
84.6	84.6	0.0	84.6
84.5	84.5	0.0	84.5
84.4	84.4	0.0	84.4
84.3	84.3	0.0	84.3
84.2	84.2	0.0	84.2
84.1	84.1	0.0	84.1
84.0	84.0	0.0	84.0
83.9	83.9	0.0	83.9
83.8	83.8	0.0	83.8
83.7	83.7	0.0	83.7
83.6	83.6	0.0	83.6
83.5	83.5	0.0	83.5
83.4	83.4	0.0	83.4
83.3	83.3	0.0	83.3
83.2	83.2	0.0	83.2
83.1	83.1	0.0	83.1
83.0	83.0	0.0	83.0
82.9	82.9	0.0	82.9
82.8	82.8	0.0	82.8
82.7	82.7	0.0	82.7
82.6	82.6	0.0	82.6
82.5	82.5	0.0	82.5
82.4	82.4	0.0	82.4
82.3	82.3	0.0	82.3
82.2	82.2	0.0	82.2
82.1	82.1	0.0	82.1
82.0	82.0	0.0	82.0
81.9	81.9	0.0	81.9
81.8	81.8	0.0	81.8
81.7	81.7	0.0	81.7
81.6	81.6	0.0	81.6
81.5	81.5	0.0	81.5
81.4	81.4	0.0	81.4
81.3	81.3	0.0	81.3
81.2	81.2	0.0	81.2
81.1	81.1	0.0	81.1
81.0	81.0	0.0	81.0
80.9	80.9	0.0	80.9
80.8	80.8	0.0	80.8
80.7	80.7	0.0	80.7
80.6	80.6	0.0	80.6
80.5	80.5	0.0	80.5
80.4	80.4	0.0	80.4
80.3	80.3	0.0	80.3
80.2	80.2	0.0	80.2
80.1	80.1	0.0	80.1
80.0	80.0	0.0	80.0
79.9	79.9	0.0	79.9
79.8	79.8	0.0	79.8
79.7	79.7	0.0	79.7
79.6	79.6	0.0	79.6
79.5	79.5	0.0	79.5
79.4	79.4	0.0	79.4
79.3	79.3	0.0	79.3
79.2	79.2	0.0	79.2
79.1	79.1	0.0	79.1
79.0	79.0	0.0	79.0
78.9	78.9	0.0	78.9
78.8	78.8	0.0	78.8
78.7	78.7	0.0	78.7
78.6	78.6	0.0	78.6
78.5	78.5	0.0	78.5
78.4	78.4	0.0	78.4
78.3	78.3	0.0	78.3
78.2	78.2	0.0	78.2
78.1	78.1	0.0	78.1
78.0	78.0	0.0	78.0
77.9	77.9	0.0	77.9
77.8	77.8	0.0	77.8
77.7	77.7	0.0	77.7
77.6	77.6	0.0	77.6
77.5	77.5	0.0	77.5
77.4	77.4	0.0	77.4
77.3	77.3	0.0	77.3
77.2	77.2	0.0	77.2
77.1	77.1	0.0	77.1
77.0	77.0	0.0	77.0
76.9	76.9	0.0	76.9
76.8	76.8	0.0	76.8
76.7	76.7	0.0	76.7
76.6	76.6	0.0	76.6
76.5	76.5	0.0	76.5
76.4	76.4	0.0	76.4
76.3	76.3	0.0	76.3
76.2	76.2	0.0	76.2
76.1	76.1	0.0	76.1
76.0	76.0	0.0	76.0
75.9	75.9	0.0	75.9
75.8	75.8	0.0	75.8
75.7	75.7	0.0	75.7
75.6	75.6	0.0	75.6
75.5	75.5	0.0	75.5
75.4	75.4	0.0	75.4
75.3	75.3	0.0	75.3
75.2	75.2	0.0	75.2
75.1	75.1	0.0	75.1
75.0	75.0	0.0	75.0
74.9	74.9	0.0	74.9
74.8	74.8	0.0	74.8
74.7	74.7	0.0	74.7
74.6	74.6	0.0	74.6
74.5	74.5	0.0	74.5
74.4	74.4	0.0	74.4
74.3	74.3	0.0	74.3
74.2	74.2	0.0	74.2
74.1	74.1	0.0	74.1
74.0	74.0	0.0	74.0
73.9	73.9	0.0	73.9
73.8	73.8	0.0	73.8
73.7	73.7	0.0	73.7
73.6	73.6	0.0	73.6
73.5	73.5	0.0	73.5
73.4	73.4	0.0	73.4
73.3	73.3	0.0	73.3
73.2	73.2	0.0	73.2
73.1	73.1	0.0	73.1
73.0	73.0	0.0	73.0
72.9	72.9	0.0	72.9
72.8	72.8	0.0	72.8
72.7	72.7	0.0	72.7
72.6	72.6	0.0	72.6
72.5	72.5	0.0	72.5
72.4	72.4	0.0	72.4
72.3	72.3	0.0	72.3
72.2	72.2	0.0	72.2
72.1	72.1	0.0	72.1
72.0	72.0	0.0	72.0
71.9	71.9	0.0	71.9
71.8	71.8	0.0	71.8
71.7	71.7	0.0	71.7
71.6	71.6	0.0	71.6
71.5	71.5	0.0	71.5
71.4	71.4	0.0	71.4
71.3	71.3	0.0	71.3
71.2	71.2	0.0	71.2
71.1	71.1	0.0	71.1
71.0	71.0	0.0	71.0
70.9	70.9	0.0	70.9
70.8	70.8	0.0	70.8
70.7	70.7	0.0	70.7
70.6	70.6	0.0	70.6
70.5	70.5	0.0	70.5
70.4	70.4	0.0	70.4
70.3	70.3	0.0	70.3
70.2	70.2	0.0	70.2
70.1	7		