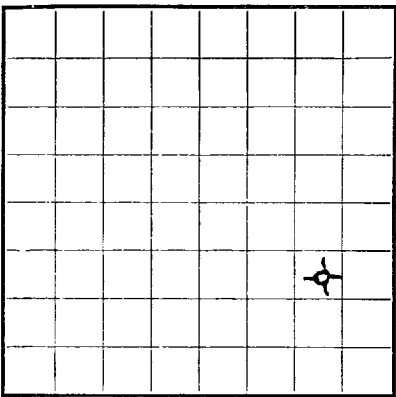


U. S. LAND OFFICE Window Rock
SERIAL NUMBER I-149 Ind. 7178
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company L. G. Stearns, et al Address Astec, New Mexico
Lessor or Tract Navajo Field Story Butte State New Mexico
Well No 2 Navajo Sec. 36 T. 22N R. 14W Meridian NMPM County San Juan
Location 1650 ft. ^N_S of S Line and 990 ft. ^E_W of E Line of Sec. 36 Elevation 6072
(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 February 1, 1954 Title Agent

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

Commenced drilling November 28, 1953 Finished drilling January 14, 1954

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

No. 1, from 850 to 856 No. 4, from _____ to _____
No. 2, from 940 to 942 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 _____ 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>8 5/8</u>	<u>28#</u>	<u>8 round</u>	<u>Natl</u>	<u>504</u>	<u>Texas</u>	<u>504</u>			
<u>7</u>	<u>20#</u>	<u>8 round</u>	<u>Natl</u>	<u>751</u>	<u>Texas</u>	<u>751</u>			
<u>5 1/2</u>	<u>14#</u>	<u>8 round</u>	<u>Natl</u>	<u>936</u>	<u>Texas</u>	<u>936-750</u>			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5 1/2</u>	<u>936</u>	<u>25</u>	<u>Halliburton</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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 1019 feet, and from _____ feet to _____ feet

DATES

_____, 19____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Stearns _____, Driller Yerby _____, Driller
Pinkstaff _____, Driller Lean _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>62</u>	<u>62</u>	<u>blue shale</u>
<u>62</u>	<u>72</u>	<u>10</u>	<u>sand</u>
<u>72</u>	<u>85</u>	<u>13</u>	<u>blue shale</u>
<u>85</u>	<u>90</u>	<u>5</u>	<u>brown shale</u>
<u>90</u>	<u>126</u>	<u>36</u>	<u>gray shale</u>
<u>126</u>	<u>145</u>	<u>19</u>	<u>sandy gray shale</u>
<u>145</u>	<u>180</u>	<u>35</u>	<u>brown shale</u>
<u>180</u>	<u>191</u>	<u>11</u>	<u>sandy shale</u>
<u>191</u>	<u>194</u>	<u>3</u>	<u>sand, water</u>
<u>194</u>	<u>216</u>	<u>22</u>	<u>sandy shale</u>
<u>216</u>	<u>250</u>	<u>34</u>	<u>brown shale</u>
<u>250</u>	<u>260</u>	<u>10</u>	<u>blue shale</u>
<u>260</u>	<u>360</u>	<u>100</u>	<u>sandy gray shale</u>
<u>360</u>	<u>371</u>	<u>11</u>	<u>blue shale</u>
<u>371</u>	<u>395</u>	<u>24</u>	<u>sand, 5 1/2 barrels wtr per hr</u>
<u>395</u>	<u>405</u>	<u>10</u>	<u>sandy shale</u>
<u>405</u>	<u>415</u>	<u>10</u>	<u>sand</u>
<u>415</u>	<u>435</u>	<u>20</u>	<u>brown shale and coal</u>
<u>435</u>	<u>455</u>	<u>20</u>	<u>sandy shale</u>
<u>455</u>	<u>470</u>	<u>15</u>	<u>sand</u>
<u>470</u>	<u>502</u>	<u>32</u>	<u>gray shale</u>
<u>502</u>	<u>520</u>	<u>18</u>	<u>brown shale</u>
<u>520</u>	<u>525</u>	<u>5</u>	<u>gray shale</u>
<u>525</u>	<u>532</u>	<u>7</u>	<u>brown shale</u>
<u>532</u>	<u>590</u>	<u>58</u>	<u>gray shale</u>

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
590	595	5	Sand
595	625	30	Gray shale
640	645	5	Sand
645	650	5	Gray shale
650	655	5	Sand and coal
655	690	35	Gray shale
690	700	10	Sand, water
700	707	7	Gray shale and sand
707	726	19	Gray shale
726	732	6	Sand
732	765	33	Sand and gray shale
765	781	16	Shale, trace of coal
781	800	19	Sandy shale
800	807	7	Sand
807	820	13	Gray shale
820	823	3	Gray shale and sand
823	827	4	Sand
827	847	20	Sandy shale
847	872	25	Sand
872	875	3	Sand and shale
875	937	62	Sandy gray shale
937	942	5	Sand, show oil
942	950	8	Water, sand
950	974	24	Sand, shale and coal
974	1001	27	Sandy shale
1001	1005	4	Sand
1005	1019	14	Blue shale

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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. Well was tested by bailing and snubbing after setting 5½-inch casing at 936, and it was found that the oil showing decreased from approximately 2 barrels per hour to 1 gallon per hour, and the water increased from a showing to over 50 barrels per day. The well was plugged and abandoned.

HISTORY OF OIL OR GAS WELL