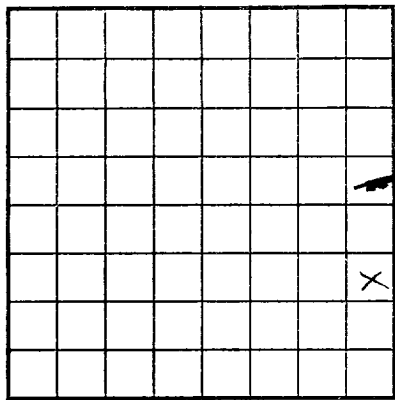




LOCATE WELL CORRECTLY

U. S. LAND OFFICE *Las Cruces*
SERIAL NUMBER *049644(4)*
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Received, New Mexico

LOG OF OIL OR GAS WELL

Company Fred Brainerd Address Artesia, New Mexico
Lessor or Tract Fred Brainerd Field Artesia State New Mexico
Well No. 1-B Sec. 6 T. 18 R. 27 Meridian N.M.P.M. County Eddy
Location 1650 ft. ^{N.}_{xx} of S. Line and 330 ft. ^{xx}_{W.} of E. Line of 6-12-27 Elevation 3455
(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 *Fred Brainerd*

Date June 28, 1943 Title Owner

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

Commenced drilling Apr. 2, 1943, 19... Finished drilling June 3, 1943, 19...

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

No. 1, from 1762 to 1765 No. 4, from 1810 to 1813
No. 2, from 1796 to 1800 No. 5, from ... to ...
No. 3, from 1808 to 1810 No. 6, from ... to ...

IMPORTANT WATER SANDS

No. 1, from 95 to 100 No. 3, from 1263 to 1270 Sulphur
No. 2, from 180 to 190 Sulphur 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"</u>	<u>32</u>	<u>10</u>		<u>564</u>					
<u>8 1/2"</u>	<u>28</u>	<u>8</u>		<u>1060</u>					
<u>7"</u>	<u>20</u>	<u>8</u>		<u>1676</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 1/2"</u>	<u>1060</u>	<u>50</u>	<u>Halliburton</u>		<u>2 tons</u>
<u>7"</u>	<u>1676</u>	<u>25</u>	<u>"</u>		<u>800 lbs.</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
		<u>Nitro</u>	<u>60 gts.</u>	<u>6-5</u>	<u>1790-1817</u>	<u>1817</u>
		<u>Acid</u>	<u>4000 gal.</u>	<u>6-17</u>		
			<u>in 2 stages</u>			

TOOLS USED

Rotary tools were used from ... feet to ... feet, and from ... feet to ... feet
Cable tools were used from 0 feet to 1817 feet, and from ... feet to ... feet

DATES

..., 19... Put to producing July 1st, 1943, 19...

The production for the first 24 hours was 17 barrels of fluid of which 100 % was oil; No % emulsion; No % water; and No % sediment. Gravity, °Bé. 39

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

Rock pressure, lbs. per sq. in. ...

EMPLOYEES

J. J. Rook, Driller Ray Evarts, Driller
J. P. Evarts, Driller ... Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>40</u>	<u>40</u>	<u>Gyp</u>
<u>40</u>	<u>45</u>	<u>5</u>	<u>Red Bed</u>
<u>45</u>	<u>60</u>	<u>15</u>	<u>Gyp</u>
<u>60</u>	<u>150</u>	<u>90</u>	<u>Gyp. Enough water to drill. 2 Bails in Hr.</u>
<u>150</u>	<u>180</u>	<u>30</u>	<u>Blue Lime & Gyp</u>
<u>180</u>	<u>210</u>	<u>30</u>	<u>Anhy. Sulphur water at 180</u>
<u>210</u>	<u>240</u>	<u>30</u>	<u>Blue Shale</u>
<u>240</u>	<u>335</u>	<u>95</u>	<u>Anhy</u>
<u>335</u>	<u>365</u>	<u>30</u>	<u>Red Bed & Gyp</u>
<u>365</u>	<u>395</u>	<u>30</u>	<u>Anhy & Red Bed</u>
<u>395</u>	<u>415</u>	<u>20</u>	<u>Anhy & Red Bed</u>
<u>415</u>	<u>465</u>	<u>50</u>	<u>Anhy & Red Bed</u>
<u>465</u>	<u>490</u>	<u>25</u>	<u>Gyp & Red Bed. More Water at 455</u>
<u>490</u>	<u>520</u>	<u>30</u>	<u>Anhy</u>
<u>520</u>	<u>555</u>	<u>35</u>	<u>Gyp & Red Bed</u>
<u>555</u>	<u>585</u>	<u>30</u>	<u>Anhy & Blue mud</u>
<u>585</u>	<u>605</u>	<u>20</u>	<u>Anhy & Red Mud</u>
<u>605</u>	<u>620</u>	<u>15</u>	<u>Hard Sandy Lime</u>
<u>620</u>	<u>625</u>	<u>5</u>	<u>Brown Sand & Blue Mud</u>
<u>625</u>	<u>635</u>	<u>10</u>	<u>Red Sand</u>
<u>635</u>	<u>645</u>	<u>10</u>	<u>Anhy & Red Mud</u>
<u>645</u>	<u>680</u>	<u>35</u>	<u>Anhy & Red Bed</u>
<u>680</u>	<u>720</u>	<u>40</u>	<u>Anhy & Red Bed</u>
<u>720</u>	<u>735</u>	<u>15</u>	<u>Blue Shale & Anhy</u>
<u>735</u>	<u>755</u>	<u>20</u>	<u>Anhy & Red Mud</u>
<u>755</u>	<u>775</u>	<u>20</u>	<u>Anhy & Red Bed</u>

FROM—	TO—	TOTAL FEET	FORMATION
775	800	25	Any
800	825	25	Any & Red Mud
825	870	45	Any & Blue Shale
870	885	15	Any & Blue Mud
885	890	5	Any & Red Mud
890	915	25	Any
915	930	15	Blue Shale. Gavy
930	940	10	Gray Lime
940	950	10	Any & Red Mud
950	975	25	Any & Red Bed
975	990	17	Brown & Gray Lime, Hard
990	1004	14	Gray Lime
1004	1015	11	Red Beds
1015	1020	5	Lime Shells & Red Bed
1020	1025	5	Gray Lime
1025	1044	19	Gray Lime
1044	1047	3	Red Beds
1047	1058	11	Top of GRAY LIME
1058	1085	27	Gray Lime
1085	1095	8	Gray & Brown Lime
1095	1098	3	Gray Lime
1098	1102	4	Brown Lime
1102	1113	11	Broken Brown & Gray Lime
1113	1120	7	Gray Lime
1120	1126	6	Gray Sand
1126	1134	8	Coarse Any
1134	1142	8	Gray Lime. Sulphur Water at 1140
1142	1147	5	Brown Lime
1147	1155	8	Brown & Gray Lime
1155	1165	10	Broken Sandy Lime
1165	1185	18	Gray Lime
1185	1191	6	Red Sand
1191	1228	37	Gray Lime
1228	1236	8	Sand
1236	1286	50	Dark Gray Sandy Lime. Sulphur Water at 1270
1286	1289	3	Light Gray Lime
1289	1533	244	Gray Lime
1533	1539	6	Brown Lime
1539	1613	74	Dark Gray Lime
1613	1630	17	Brown Lime
1630	1669	39	Dark Gray Lime
1669	1672	3	White Sand Break
1672	1675	3	Black Lime
1675	1678	3	Hard Dark Gray Lime
1678	1683	5	Hard Dark Gray Lime
1683	1698	15	Soft Gray Lime
1698	1709	11	Hard Gray Lime
1709	1732	23	Hard Black Lime. Show of Gas 1727 to 32
1732	1754	22	Hard Dark Gray Lime
1754	1769	15	Dark Gray Lime. Show of Oil at 1762
1769	1784	15	Dark Gray Lime
1784	1794	10	Gray Lime
1794	1798	4	Very Hard Black Lime
1798	1800	2	Hard Dark Gray Lime. Show of Oil at 1800
1800	1805	5	Soft Gray Lime
1805	1810	5	Sandy Gray Lime. Show of Oil
1810	1813	3	Blue Brown Lime. Show of Oil
1813	1817	4	TOTAL DEPTH 1817

WATER SOURCE

HISTORY OF OIL OR GAS WELL

U.S. GOVERNMENT PRINTING OFFICE 6-0745

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 the date, size, 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.

RECEIVED