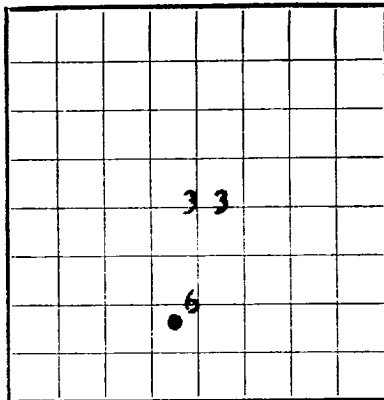


U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM 08277
LEASE OR PERMIT TO PROSPECT 1st

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Geo. D. Riggs operator Address Box 116, Carlsbad, N.M.
Lessor or Tract John A. Hughes Field Salader-Yates State New Mexico
Well No. 6 Hughes Sec. 33 T. 20S R. 28E Meridian N.M.P.M. County Socorro
Location 990 ft. N of S Line and 2310 ft. E of W Line of Sec. 33 Elevation 3199
(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 Geo. D. RiggsDate Jan. 23 1963Title operator

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

Commenced drilling Sept. 15, 1962 Finished drilling Nov. 9, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 648 to 651 No. 4, from REPT to REPT
No. 2, from to No. 5, from to
No. 3, from to No. 6, from JAN to

IMPORTANT WATER SANDS

No. 1, from 55 to 60 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>7"</u>	<u>17</u>	<u>10</u>	<u>used</u>	<u>440</u>	<u>reg.</u>				<u>surface</u>
If it is of the greatest importance to make a complete history of the well, please state in detail the date of completion, the nature of the work done, the results, and the reasons for the work and its termination. It is the policy of the Geological Survey to make a complete history of the well, and it is the duty of the operator to make a complete history of the well.									
HISTORIA OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7"</u>	<u>440</u>	<u>100</u>	<u>Denton Cmtg Co.</u>		
<u>5 1/2"</u>	<u>628</u>	<u>35</u>	<u>Denton Cmtg Co.</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>Fractured by Dowell with 240</u>	<u>bbl of lease oil and 12,000</u>	<u>lbs of 20/40 sand</u>			
	<u>in open hole from 628 to 664</u>					

TOOLS USED

Rotary tools were used from surface feet to 664 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

 , 19 Put to producing Dec. 1 1962, 19

The production for the first 24 hours was 40 barrels of fluid of which 100 % was oil; %
emulsion; % water; and % sediment. Gravity, °Bé. 36

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

T. A. Tutor, Driller A.H. Rains, Driller
R.D. Rains, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>surface</u>	<u>60</u>	<u>60</u>	<u>surface sand, water 55 to 60</u>
<u>60</u>	<u>120</u>	<u>60</u>	<u>coarse sand and red beds</u>
<u>120</u>	<u>180</u>	<u>60</u>	<u>red beds and sand</u>
<u>180</u>	<u>380</u>	<u>200</u>	<u>red beds and gyp</u>
<u>380</u>	<u>483</u>	<u>53</u>	<u>salt with some gyp streaks</u>
<u>433</u>	<u>457</u>	<u>24</u>	<u>anhydrite</u>
<u>457</u>	<u>494</u>	<u>37</u>	<u>lime, brown</u>
<u>494</u>	<u>511</u>	<u>17</u>	<u>lime and shale, blue and red</u>
<u>511</u>	<u>578</u>	<u>67</u>	<u>gray lime and anhydrite</u>
<u>578</u>	<u>602</u>	<u>24</u>	<u>brown lime</u>
<u>602</u>	<u>604</u>	<u>2</u>	<u>brown lime and shale</u>
<u>604</u>	<u>607</u>	<u>3</u>	<u>fine gray sand <u>Top Yates 604</u></u>
<u>607</u>	<u>619</u>	<u>12</u>	<u>lime, anhydrite, shale</u>
<u>619</u>	<u>628</u>	<u>9</u>	<u>sand, fine gray</u>
<u>628</u>	<u>631</u>	<u>3</u>	<u>gray lime</u>
<u>631</u>	<u>664</u>	<u>33</u>	<u>sand, show oil 637-39 and 648-51</u>
			<u>T. D. 664</u>

FROM

TO

TOTAL FEET

[OVER]

FORMATION

16-43004-3

FORMATION RECORD—Continued

