

Comp. 1-6-54

COPY TO O.C.C.

Budg
Appr
au No. 42-R355.1
ires 11-30-49.

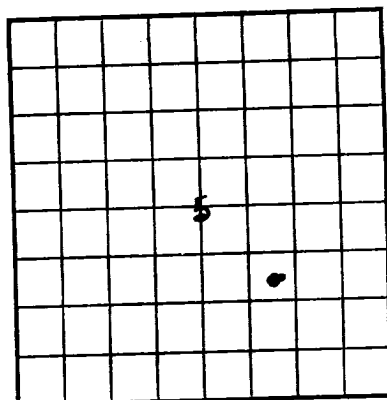
New Mexico

Form 9-380

U. S. LAND OFFICE 01119

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
JAN 23 1954
U. S. GEOLOGICAL SURVEY
ARIZONA, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company George D. Riggs Address Box 30, Carlsbad, N. M.
Lessor or Tract Welch-Federal Field Cedar Hills State New Mexico
Well No. 5 Sec. 5 T. 21S R. 27E Meridian N.M.P.M. County Eddy
Location 1650 ft. S. of S. Line and 1650 ft. E. of E. Line of Sec. 5 Elevation 3270
(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.

Date Jan 22 1954Signed Geo D. Riggs
Title Operator

The summary on this page is for the condition of the well at above date.
Commenced drilling October 9, 19 53 Finished drilling December 21, 19 53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 520 to 521 1/2 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 242 to 250 No. 3, from _____ to _____
No. 2, from 330 to 350 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>8</u>	<u>"used"</u>	<u>384</u>	<u>Reg.</u>	<u>384</u>			<u>Wtr. String</u>
<u>5 1/2</u>	<u>11</u>	<u>8</u>	<u>"used"</u>	<u>518</u>	<u>Reg.</u>				<u>Prod. String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7</u>	<u>384</u>			<u>"Heavy"</u>	<u>10 sacks</u>
<u>5 1/2</u>	<u>518</u>	<u>10</u>	<u>Dump</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 surface feet to T.D. feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
The production for the first 24 hours was 60 barrels of fluid of which 50 % was oil; _____ %
emulsion; 50 % water; and _____ % sediment. Gravity, °Bé. 20.7
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. T. Goad _____, Driller _____, Driller
Jess Trousdale _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surface</u>	<u>26</u>	<u>26</u>	<u>Surface sand, fine gravel</u>
<u>26</u>	<u>36</u>	<u>10</u>	<u>Gray dolo.</u>
<u>36</u>	<u>61</u>	<u>25</u>	<u>Red clay</u>
<u>61</u>	<u>204</u>	<u>143</u>	<u>Gyp and red clay</u>
<u>204</u>	<u>238</u>	<u>32</u>	<u>Anhydrite, top part gypsy</u>
<u>238</u>	<u>261</u>	<u>23</u>	<u>Brn. Dolo. water 242-250</u>
<u>261</u>	<u>266</u>	<u>5</u>	<u>Blue sdy shale</u>
<u>*- 266</u>	<u>281</u>	<u>15</u>	<u>Brn. Dolo.</u>
<u>281</u>	<u>326</u>	<u>30</u>	<u>Dolo. Water 326-350</u>
<u>326</u>	<u>352</u>	<u>26</u>	<u>(No sample, cuttings washed away)</u>
<u>352</u>	<u>362</u>	<u>10</u>	<u>Dolomite</u>
<u>** - 362</u>	<u>371</u>	<u>9</u>	<u>Sd, some Bl clay</u>
<u>371</u>	<u>385</u>	<u>12</u>	<u>Fine sand</u>
<u>385</u>	<u>392</u>	<u>7</u>	<u>Dolomite</u>
<u>392</u>	<u>396</u>	<u>4</u>	<u>Fine sand</u>
<u>396</u>	<u>409</u>	<u>13</u>	<u>Dolomite</u>
<u>409</u>	<u>440</u>	<u>31</u>	<u>Sand</u>
<u>440</u>	<u>458</u>	<u>18</u>	<u>Dolomite</u>
<u>458</u>	<u>472</u>	<u>14</u>	<u>Sand</u>
<u>472</u>	<u>508</u>	<u>36</u>	<u>Dolomite</u>
<u>508</u>	<u>514</u>	<u>6</u>	<u>Sand</u>
<u>514</u>	<u>521 1/2</u>	<u>7 1/2</u>	<u>Dolomite</u>
<u>* 281</u>	<u>296</u>	<u>15</u>	<u>Blu Sh & thin Dolo beds</u>
<u>** 371</u>	<u>373</u>	<u>2</u>	<u>Dolomite</u>

(OVER)

16-43094-2

