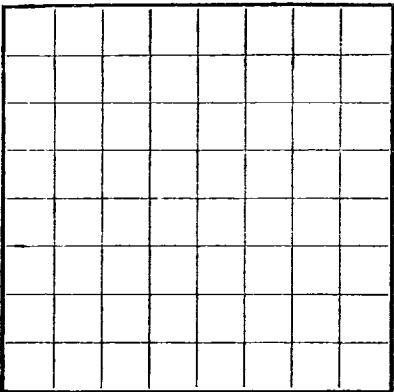


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029195
LEASE OR PERMIT TO PROSPECT Lunlee



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company General American Oil Co. of Texas Address Box 416, Loco Hills, N. M.
Lessor or Tract Lunlee Field Square Lake State New Mexico
Well No. 4 Sec. 35 T. 16 S. R. 29 E. Meridian N.M.P.M. County Eddy
Location 990 ft. N. of N. Line and 330 ft. W. of E. Line of Section 35 Elevation 3689'
(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 R. J. Heard

Date June 5, 1958 Title Dist. Supt.

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

Commenced drilling April 22, 1958 Finished drilling May 29, 1958

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

No. 1, from 1384' to 1395' (G) No. 4, from 2614' to 2626'
No. 2, from 2330' (G) to No. 5, from to
No. 3, from 2442' to 2450' (G) No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 320' to 330' No. 3, from to
No. 2, from 1912' to 1928' 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>26#</u>	<u>8rd.</u>	<u>Used</u>	<u>135'</u>	<u>Regular</u>				<u>Salt String</u>
<u>7"</u>	<u>20#</u>	<u>8rd.</u>	<u>Used</u>	<u>1945'</u>	<u>Tex. pattern 1946'</u>				<u>Water String</u>
<u>5 1/2"</u>	<u>14#</u>	<u>8rd.</u>	<u>O.P.S.I.</u>	<u>2608'</u>	<u>Guide</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>8 5/8"</u>	<u>491'</u>	<u>50</u>	<u>Pump & Plug</u>	<u>None</u>	<u>None</u>
<u>7"</u>	<u>1943'</u>	<u>None</u>	<u>Obtained formation shut-off.</u>		
<u>5 1/2"</u>	<u>2610'</u>	<u>100</u>	<u>Pump & Plug</u>	<u>Heavy</u>	<u>60 Bbls.</u>

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

STIMULATION

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		<u>Material</u>			<u>treated</u>	
		<u>20 % HCl</u>	<u>500 gals.</u>	<u>5/30/58</u>	<u>2610'-2654'</u>	
		<u>Crude Oil</u>	<u>35,112 gals.</u>	<u>"</u>	<u>"</u>	
		<u>Ottawa Sand</u>	<u>60,000 #</u>	<u>"</u>	<u>"</u>	

TOOLS USED

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

DATES

Put to producing June 2, 58
The production for the first 24 hours was 431 barrels of fluid of which 100 % was oil; 0 %
emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 37.6 degrees
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

O. L. Anderson, Driller E. J. Parish, Driller
T. W. Clifton, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>5</u>	<u>5</u>	<u>Cellar</u>
<u>5</u>	<u>20</u>	<u>15</u>	<u>Caliche</u>
<u>20</u>	<u>257</u>	<u>237</u>	<u>Sand and Shale</u>
<u>257</u>	<u>345</u>	<u>88</u>	<u>Anhy.</u>
<u>345</u>	<u>445</u>	<u>100</u>	<u>Anhy. & Shale</u>
<u>445</u>	<u>910</u>	<u>465</u>	<u>Salt</u>
<u>910</u>	<u>960</u>	<u>50</u>	<u>Anhy.</u>
<u>960</u>	<u>1170</u>	<u>210</u>	<u>Anhy. & Shale</u>
<u>1170</u>	<u>1665</u>	<u>495</u>	<u>Anhy.</u>
<u>1665</u>	<u>1710</u>	<u>45</u>	<u>Anhy. & red beds</u>
<u>1710</u>	<u>1795</u>	<u>85</u>	<u>Anhy. & salt</u>
<u>1795</u>	<u>1847</u>	<u>52</u>	<u>broken Anhy.</u>
<u>1847</u>	<u>1852</u>	<u>5</u>	<u>SLM</u>
<u>1852</u>	<u>1870</u>	<u>18</u>	<u>Anhy.</u>
<u>1870</u>	<u>1900</u>	<u>30</u>	<u>Anhy. & lime</u>
<u>1900</u>	<u>1912</u>	<u>12</u>	<u>red shale</u>
<u>1912</u>	<u>1928</u>	<u>16</u>	<u>red sand</u>
<u>1928</u>	<u>1970</u>	<u>42</u>	<u>Anhy.</u>
<u>1970</u>	<u>1990</u>	<u>20</u>	<u>Anhy. & shale</u>
<u>1990</u>	<u>2330</u>	<u>340</u>	<u>Anhy.</u>
<u>2330</u>	<u>2355</u>	<u>25</u>	<u>lime</u>
<u>2355</u>	<u>2380</u>	<u>25</u>	<u>Anhy. & lime</u>
<u>2380</u>	<u>2390</u>	<u>10</u>	<u>red rock</u>
<u>2390</u>	<u>2442</u>	<u>52</u>	<u>lime</u>
<u>2442</u>	<u>2450</u>	<u>8</u>	<u>sand</u>

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2450	2525	75	lime
2525	2539	14	lime & shale
2539	2558	19	shale & Anhy.
2558	2562	4	SIM
2562	2581	19	lime & Anhy.
2581	2614	33	lime
2614	2620	6	sand
2620	2635	15	brown lime
2635	2637	2	gray lime
2637	2645	8	shale
2645	2654	9	white lime

HISTORY OF OIL OR GAS WELL

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, 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.