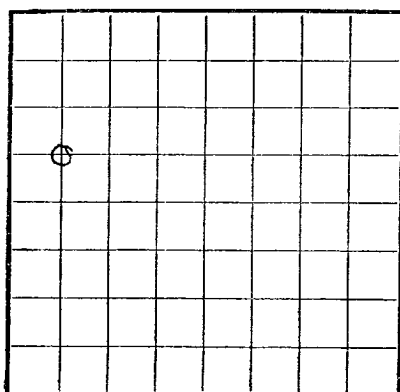


Las Cruces
U. S. LAND OFFICE
SERIAL NUMBER 028772 (5)
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Western-ates Address P.O. Box 445, Artesia, N.M.
Lessor or Tract Dann B Field Artesia State New Mexico
Well No. 21 Sec. 11 T. 18S R. 28E Meridian N.M.P. County Sddy
Location 1980 ft. N. of N Line and 660 ft. E. of W Line of Section 11 Elevation 3630'
(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 June 24, 1957Title Dist. Supt.

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

Commenced drilling May 11, 1957 Finished drilling June 13, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2512 to 2523 No. 4, from _____ to _____
No. 2, from 2554 to 2574 No. 5, from _____ to _____
No. 3, from 2719 to 2736 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 315 to 325 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>24.7</u>	<u>8 rd</u>	<u>CEI</u>	<u>522'</u>	<u>Texas</u>	<u>not</u>	<u>--</u>	<u>--</u>	<u>surface</u>
<u>4 1/2</u>	<u>11.6#</u>	<u>8 rd</u>	<u>"</u>	<u>2750'</u>	<u>Float</u>	<u>"</u>	<u>2513</u>	<u>2573</u>	<u>oil prod.</u>
							<u>2554</u>	<u>2574</u>	
							<u>2719</u>	<u>2736</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>522'</u>	<u>75</u>	<u>pump</u>	<u>water</u>	<u>none</u>
<u>4 1/2</u>	<u>2750'</u>	<u>250</u>	<u>"</u>	<u>"</u>	<u>"</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

PREC SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>Perfs.</u>	<u>2512-23</u>	<u>14,500 gals.</u>	<u>30,000</u>	<u># sand</u>		
<u>"</u>	<u>2554-74</u>	<u>150 gals. #64</u>	<u>15,000 gals.</u>	<u>30,000</u>	<u># sand</u>	
<u>"</u>	<u>2719-36</u>	<u>140 gals. #64</u>	<u>10,000 gals.</u>	<u>20,000</u>	<u># sand</u>	

TOOLS USED

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

Cable tools were used from 0 feet to 2750 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing June 21, 1957

The production for the first 24 hours was 103 barrels of fluid of which 95% was oil; _____% emulsion; 5% water; and 2/10% sediment. Gravity, °Bé. 37.40

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Jess Miller, Driller E. J. Trembley, Sr., Driller
Frank Sloan, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>2</u>	<u>15</u>	<u>13</u>	<u>caliche</u>
<u>15</u>	<u>315</u>	<u>300</u>	<u>red rock</u>
<u>315</u>	<u>325</u>	<u>10</u>	<u>sand & gravel</u>
<u>325</u>	<u>505</u>	<u>80</u>	<u>red rock</u>
<u>505</u>	<u>515</u>	<u>10</u>	<u>anhy.</u>
<u>515</u>	<u>555</u>	<u>40</u>	<u>salt</u>
<u>555</u>	<u>1950</u>	<u>1395</u>	<u>anhy.</u>
<u>1950</u>	<u>1985</u>	<u>35</u>	<u>anhy. & lime</u>
<u>1985</u>	<u>2100</u>	<u>115</u>	<u>anhy.</u>
<u>2100</u>	<u>2505</u>	<u>405</u>	<u>lime</u>
<u>2505</u>	<u>2515</u>	<u>10</u>	<u>sand</u>
<u>2515</u>	<u>2526</u>	<u>11</u>	<u>sand & lime</u>
<u>2526</u>	<u>2750</u>	<u>24</u>	<u>lime</u>
			<u>T. X 540'</u>
			<u>D. X 655'</u>
			<u>T. Q 1790'</u>
			<u>T. SA 2576'</u>
			<u>T. Lov.Sd. 2719'</u>

{OVER}

FORMATION RECORD-Continued

[illegible]

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 retooling, 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 balling.