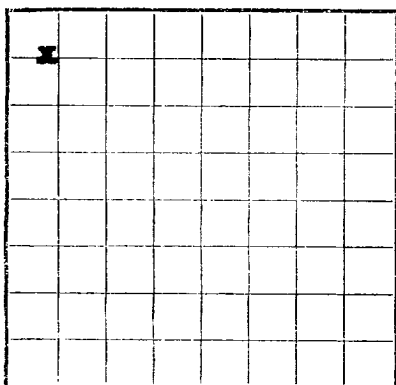




LOCATE WELL CORRECTLY

New Mexico

U. S. LAND OFFICE 0250

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Cactus Drilling Company Address Box 1826, Hobbs, New Mexico
Lessor or Tract Texaco-Federal Field Wildcat State New Mexico
Well No. 1 Sec. 1 T. 20 R. 34 Meridian N.M.P.M. County Lea
Location 660 ft. SW of N. Line and 660 ft. NE of N. Line of Sec. 1 Elevation 3702
(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 G. G. DickDate November 12, 1959Title Vice-President

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

Commenced drilling Aug. 2, 19 59 Finished drilling November 10, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4606 to 4614 No. 4, from _____ to _____
No. 2, from 4938 to 4942 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 4570 to 4585 No. 3, from 4803 to 4810 (sulphur)
No. 2, from 4635 to 4654 No. 4, from 4830 to 4835 (sulphur)
Casing Record 4938 5003 (sulphur)

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>13 3/8</u>	<u>40</u>	<u>weided</u>	<u>Hals</u>	<u>105</u>	<u>TP</u>				<u>surface</u>
<u>8 5/8</u>	<u>34</u>	<u>8R</u>	<u>Hals</u>	<u>1750</u>	<u>Open</u>	<u>and pull</u>			<u>intended.</u>
<u>7"</u>	<u>20</u>	<u>8R</u>	<u>Hals</u>	<u>4706</u>	<u>TP</u>	<u>3002</u>	<u>4606</u>	<u>4614</u>	<u>oil string.</u>
<u>4 1/2</u>	<u>11</u>	<u>8R</u>	<u>Hals</u>	<u>4652 to</u>	<u>TP</u>		<u>4938</u>	<u>4942</u>	<u>oil string</u>
				<u>5003</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13 3/8</u>	<u>105</u>	<u>100 circ.</u>	<u>Halliburton</u>		
<u>8 5/8</u>	<u>1751</u>				<u>hole full</u>
<u>7"</u>	<u>4706</u>	<u>125</u>	<u>Halliburton</u>		
<u>4 1/2</u>	<u>4652-5003</u>	<u>50 circ.</u>	<u>Halliburton</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 105 feet to 1750 feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 10 feet, and from 1751 feet to 5003 feet

DATES

_____, 19 _____ Put to producing _____, 19 _____

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

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

G. G. Dick, Driller A. B. Jones, Driller

B. A. Arnesen, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1740</u>	<u>1740</u>	<u>Caliche, red beds & sand</u>
	<u>2060</u>	<u>320</u>	<u>anhydrite & salt</u>
	<u>3360</u>	<u>1300</u>	<u>salt & anhydrite streaks</u>
	<u>3606</u>	<u>246</u>	<u>anhydrite</u>
	<u>3710</u>	<u>104</u>	<u>anhydrite & red sand</u>
	<u>3795</u>	<u>85</u>	<u>anhydrite</u>
	<u>4035</u>	<u>240</u>	<u>interbedded dolomite, gray sand, & anhydrite</u>
	<u>4123</u>	<u>88</u>	<u>dolomite</u>
	<u>4186</u>	<u>63</u>	<u>dolomite & purple shale</u>
	<u>4265</u>	<u>79</u>	<u>dolomite</u>
	<u>4337</u>	<u>72</u>	<u>dolomite with sand stringers</u>
	<u>4351</u>	<u>14</u>	<u>red sand</u>
	<u>4427</u>	<u>76</u>	<u>dolomite</u>
	<u>4442</u>	<u>15</u>	<u>dolomite & red & gray sand</u>
	<u>4488</u>	<u>46</u>	<u>dolomite</u>
	<u>4538</u>	<u>50</u>	<u>dolomite & purple metabentonite</u>
	<u>4566</u>	<u>28</u>	<u>dolomite</u>
	<u>4623</u>	<u>57</u>	<u>dolomite & red & gray sand</u>
	<u>4660</u>	<u>37</u>	<u>red & gray sand</u>
	<u>4957</u>	<u>297</u>	<u>dolomite with scattered sand stringers</u>
	<u>4990</u>	<u>33</u>	<u>gray sand</u>
	<u>5003</u>		<u>dolomite</u>

(OVER)

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

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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, 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 bailing.

Top:	Rustler:	1735
	Yates:	3568
	S.H.	4032
	Queen	4604
	Penrose	4947

Acidized perfs 4038-42 with 1000 gallons and swabbed 12 gallons of sulphur oil per hour, no increase over natural boiling test. Re-acidized with 5000 gallons and swabbed same 12 gallons oil per hour. Fraced with 330 barrels oil and 10,000 gallons sand and swabbed 38 sulphur water.

Acidized perfs 4606-14 with 250 gallons and seab ed acid water with
 all at show of oil, no water, mixed with 87 barrels oil and 18,000
 pounds sand and recovered saltwater.