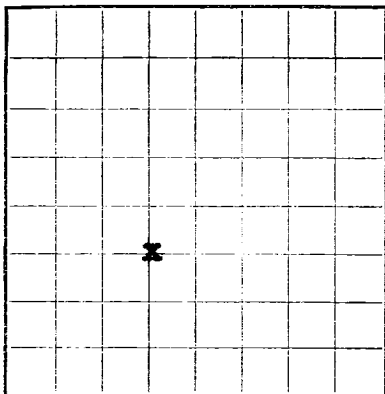


OCT 13 AM 9 07

Budget Bureau No. 42-R355.1.
Approval expires 12-31-60.U. S. LAND OFFICE **New Mexico**SERIAL NUMBER **086**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

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 **Superior-Federal** Field **Wildcat** State **New Mexico**
Well No. **1** Sec. **25** T. **19** R. **34** Meridian **N. 10. E. 4. N.** County **Lea**
Location **1980 ft. [N.] of So. Line and 1980 ft. [E.] of West Line of Sec. 25** Elevation **3751.5**
(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 **October 7, 1959**Title **Vice-President**

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

Commenced drilling **Aug. 20,** 19**59** Finished drilling **Aug. 24** 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4796** to **4806** 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 _____ to _____ 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—	
3 5/8 24#		8-R		294	Baker				surface
4 1/2 11.6#			J & L	5056	Baker		4796	4806	oil string
							4912	4925	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3 5/8	307	300	Pump & Plug		
4 1/2	5056	300	Pump & Plug		

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 **5112** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 7 19**59** Put to producing **October 3** 19**59**

The production for the first 24 hours was **39** barrels of fluid of which **85** % was oil; _____ %
emulsion; **15** % water; and _____ % sediment. Gravity, °Bé. **33**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	300	300	Caliche & Sand
300	1811	1511	Sand & shale
1811	1930	119	Anhydrite
1930	3297	1357	Salt & Anhydrite
3297	3485	188	Dolomite & Anhydrite
3485	3634	149	Sand & dolomite
3634	3960	326	Anhydrite & Dolomite
3960	4110	150	Dolomite & sand
4110	4658	548	Dolomite & sand
4658	5090	432	Sand & Dolomite
5090	5112	22	Dolomite
			T/Pustler 1811
			T/Salt 3297
			T/Yates 3485
			T/Queen 4658
			T/Penrose 4955

FORMATION RECORD—Continued

[illegible]

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 balling.

On original drilling Gabot Carbon Company drilled Core #1 from 4790 to 4808 and Core #2 from 4901 to 4920 with light staining. On this hole cactus cleaned out old hole to 5066 and ran 5066' of 4 1/2" casing cementing with 200 sacks. After perforated from 4912 to 4920 and 4996 to 4806 we determined cement top to be at 4810. Spaced 100 sacks cement in upper perforations. As fracturing pressures were normal it was determined that a good cement job was obtained. The bottom set of perforations is shut off by packer on tubing.