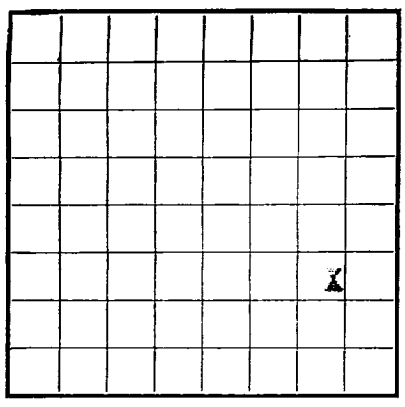
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

RECEIVED
MAY 28 1958

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER LC 062281-A
LEASE OR PERMIT TO PROSPECT Lakewood Unit

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Western Drilling Company Address 714 Central SE, Albuquerque, N.M.

Lessor or Tract Lakewood (Pan-American) Field Wildcat State New Mexico

Well No. 1 Sec. 34 T 19S R 25E Meridian NMPM County Rio Arriba

Location 1830 ft. {N.} of S Line and 660 ft. {E.} of E Line of Section 34 Elevation 3534
(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 Dick Keegan

Date March 30, 1958 Title Geologist

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

Commenced drilling October 31, 1957 Finished drilling December 6, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 857 to 867 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 40 to 45 No. 3, from ____ to ____

No. 2, from 780 to 739 No. 4, from ____ to ____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10			used	44		all			temporary water shut-off
8 5/8			used	780		all			
5½			new	817	Tex.Pat.	cemented to surface			permanent surface csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10	44	-------	set on gyp shoulder		
8 5/8	780	-------	set on limestone shoulder		
5½	817	475	circulated cement to surface		

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 899 TD feet, and from ____ feet to ____ feet

DATES

Dry and abandoned March 28, 1958 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

____, Driller ____, Driller

Aldridge & Stroud, Odessa, Texas, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	55	55	Limestone and gypsum
55	107	52	Gypsum and red shale
107	235	128	Gypsum
235	288	53	Red sandstone and red shale
288	300	12	Gypsum and red shale
300	340	40	Limestone, gypsum, and red shale
340	390	50	Red and green shale
390	420	30	Dolomite, gypsum, and red shale
420	430	10	White sandstone
430	485	55	Dolomite, gypsum, and red shale
485	515	30	Dolomite
515	532	17	Dolomite and red shale
532	560	28	Dolomite
560	602	42	Dolomite and green sandstone
602	630	28	Dolomite
630	715	85	Dolomite and white sandstone
715	735	20	Green sandstone and gray shale
735	755	20	Dolomite
755	775	20	Dolomite and white sandstone
775	813	38	Sandy oolitic dolomite
813	819	6	Dolomite and red sandstone
819	821	2	Dolomite
821	830	9	White dolomitic sandstone
830	839	9	Sandy dolomite
839	841	2	White dolomitic sandstone
841	857	16	Dolomite
857	871	14	Red sandstone w/sl oil show (Fremier
871	899 TD	28	Limestone (San Andres)

[OVER]

16—43094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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, 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.

12/ 6/57 Bailed rainbow of oil from Premier (Grayburg) Sand 857-867'

12/ 7/57 Treated open hole 817-899' w/500 gallons Dowell 3D acid. Treating pressures: Maximum-1500#, Minimum-750#. Injection: 2BPM. Bailed trace of oil w/ slight show of gas.

12/ 9/57 Sandfraced open hole 817-899' through 5½" casing w/ 15,800 gallons and 10,000# sand. Treating pressures: Maximum-2050# sand, 1800# flush, Minimum-1600# sand, 1600# flush. Injection rate: treating fluid-21.4 BPM, flush-20BPM. Shut in over night.

12/10/57 Flowed estimated 50 barrels of load water w/slight show oil to pits.

12/11/57 to 12/14/57 Casing swabbed load water w/ trace of oil and slight show of gas. Swabbed down to 600' and shut in.

1/17/58 Flowed one barrel of oil and few barrels fresh water. Casing swabbed water and water-oil emulsion to pits.

1/21/58 Ran rods and tubing and installed pump.

1/23/58 Pumped 6 barrels 29° oil, 5 barrels salt water, and trace of emulsion. Gas too small to run gas motor.

1/24/58 to 2/5/58 Pumped 6 barrels clean oil and 14 barrels salt water.

2/ 9/58 Pulled rods and tubing. Perforations clean.

2/10/58 Shut in preparing to plug and abandon.

3/28/58 Plugged and abandoned.