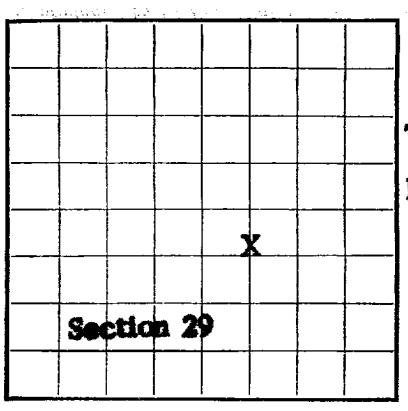
N. M. O. C. C. COPY

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

Form 9-330

RECEIVED
DEC 18 1962
O. C. C.
ARTESIA, OFFICE

U. S. LAND OFFICE New Mexico
SERIAL NUMBER LC 065 710-A
LEASE OR PERMIT TO PROSPECT Lusk Deep Unit



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
DEC 17 1962
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Attention: Drilling Department

Company El Paso Natural Gas Company Address P.O. Box 1492 El Paso 1, Texas

Lessor or Tract Lusk Deep Unit Field Lusk Deep State New Mexico

Well No. 4 Sec. 20 T. 19S R. 32E Meridian NMPM County Lea

Location 1980 ft. {N.} of S Line and 1980 ft. {W.} of E Line of Section 20 Elevation 3590
(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 [signature]

Date 12/14/62 Title Supervising Petroleum Engineer

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

Commenced drilling 10-5, 1962 Finished drilling 11-25, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 11,430 to 11,454 No. 4, from ____ to ____

No. 2, from 11,460 to 11,470 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 From—	Perforated To—	Purpose
13-3/8	72	8R	Smith	822	Howco	-			Surface
9-5/8	53.5-47	8R	Spang	4226	Baker	-			Protective
4-1/2	13.0-11.5	8R	Spang	11531	Baker	-	11,430	11,470	Prod.
2-3/8	4.7	8R	Spang	11421	-	-			Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	822	1180	Plug		
9-5/8	4226	2365	Plug		
4-1/2	11531	300	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 0 feet to 11,550 feet, and from ____ feet to ____ feet

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

DATES

12-13, 1962 Put to producing ____, 19____

The production for the first 24 hours was 459.96 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 48° API

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

Rock pressure, lbs. per sq. in. 5420 GOR 2196 - 1

EMPLOYEES

____, Driller ____, Driller

____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			Tops
			Anhydrite 748
			T/Salt 955
			B/Salt 2,400
			Yates 2,562
			Seven Rivers 2,898
			Delaware 4,520
			Bone Springs 7,170
			Wolf Camp 10,408
			Strawn 11,296

(OVER)

16—43094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

10-5-62	Spud.
10-7-62	Ran and cemented surface casing 13-3/8".
10-19-62	Ran and cemented protective casing ~~xxxxxx~~ 9-5/8".
11-25-62	Reached TD at 11,550'.
11-27-62	Ran DST # 1 Flowed approx. 60 BOPH from 11,405' - 11,550' w/4,500 Mcf/d natural gas.
11-28-62	Ran production casing 4-1/2".
12-13-62	Tested Well.

ARTESIA, NEW MEXICO
N. M. PROJECT AREA
RECEIVED