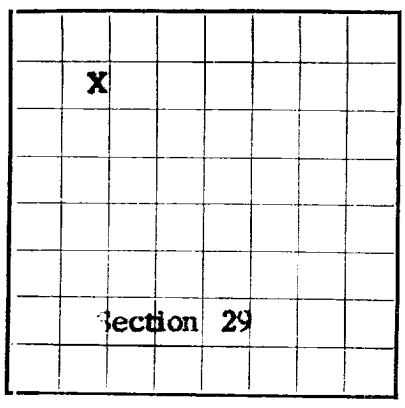
N. M. O. C. C. COPY

Form 9-330

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

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 063586
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

T-19S
R-32E

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
MAY 16 1963
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, Texas

Lessor or Tract Southern California Petroleum Federal Field Lusk Deep State New Mexico

Well No. 2 Sec. 29 T. 19 R. 32 Meridian N.M.P.M. County Lea

Location 990 ft. [N.] of N. Line and 990 ft. [E.] of W. Line of Section 29 Elevation 3554 (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 [illegible]

Date May 14, 1963 Title Supervising Petroleum Engineer

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

Commenced drilling 3-16, 19 63 Finished drilling 4-30, 19 63

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 11,330 to 11,340 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 From—	Perforated To—	Purpose
13-3/8	54.5#	8R	Spang	827	Howco	-			Surface
8-5/8	32#	8R	Spang	4,497	Howco	-			Protective
4-1/2	13.5-11.6#	8R	Spang	11,406	Howco	-	11,330	11,340	Production
2-3/8	4.7#	8R	Spang	11,291	production packer at 11,291'				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	827	900	Plug		
8-5/8	4,497	3100	Plug		
4-1/2	11,406	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 11,407 feet, and from 4,522 feet to 10,325 feet Gas Drill

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

DATES

April 30, 19 63 Put to producing ____, 19____

The production for the first 24 hours was 390 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % 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. 5196 BHP GOR 2378 / 1

EMPLOYEES

____, Driller ____, Driller

____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			Tops
			Anhydrite 805
			T/Salt 1,050
			B/Salt 2,418
			Yates 2,560
			Seven Rivers 2,792
			Delaware 4,600
			Bone Springs 7,148
			Wolf Camp 10,360
			Strawn 11,190

(OVER)

16—48094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

3-16-63	Spud
3-18-63	Ran and cemented surface casing 13-3/8"
4- 1-63	Ran and cemented protective casing 8-5/8".
4-26-63	Core # 1 11,320 - 11,370' recovered 50', 11-320 - 11,331 hard shale, 11,331 - 11,335 dense limestone, 11,335 - 11,344 medium to course crystalline limestone very good, vuggy porosity, 11,344 - 11,370' medium to course crystalline limestone w/scattered pin point to vuggy porosity.
4-27-63	Reached total depth 11,407'. Core #2 11,370 - 11,407' recovered 37'. 11,370 - 11,375 course crystalline limestone dense w/scattered fracture, 11,375 - 11,380 course crystalline limestone dense w/scattered fracture, 11,380 - 11,384 limestone w/shale partings, 11,384 - 11,395 limestone course crystalline w/scattered porosity, 11,394 - 11,407 black carbonaceous shale.
4-28-63	Ran production casing 4-1/2".
4-30-63	Perforated from 11,330 to 11,340' with 2 dyna jet shots per foot. Ran 366 jts. 2-3/8" O.D. N-80 EUE tubing with Brown hydraulic-set packer.
5-10-63	Tested well.

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ROSWELL, NEW MEXICO