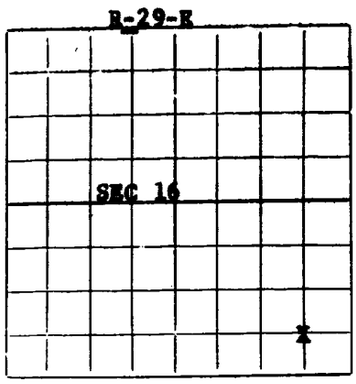
(Revised 7/1/58)
(Form C-105)



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

OCT 1 3 1959

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

El Paso Natural Gas Company (Company or Operator) Leonard State # 3 (Lease)

Well No. 3, in SE ¼ of SE ¼, of Sec. 16, T. 17-S, R. 29-E, NMPM.

Undesignated Pool, Eddy County.

Well is 660' feet from South line and 660' feet from East line of Section 16. If State Land the Oil and Gas Lease No. is B-10714-2

Drilling Commenced June 7, 1959 Drilling was Completed September 28, 1959

Name of Drilling Contractor Lowe Drilling Co.

Address P.O. Box 832, Midland, Texas

Elevation above sea level at Top of Tubing Head 3546.10' G.L. The information given is to be kept confidential until ....., 19.....

OIL SANDS OR ZONES

No. 1, from NONE to..... No. 4, from.....to.....

No. 2, from.....to..... No. 5, from.....to.....

No. 3, from.....to..... No. 6, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from NONE to.....feet. .....

No. 2, from.....to.....feet. .....

No. 3, from.....to.....feet. .....

No. 4, from.....to.....feet. .....

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8"	54.5#	New	788'				Surface

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17½"	13-3/8"	788'	850 sx	circulated		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

NONE

Result of Production Stimulation.....

Depth Cleaned Out.....

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0' feet to 10,966' feet, and from ..... feet to ..... feet.

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

PRODUCTION

Put to Producing P&A 10-1-59, 19.....

OIL WELL: The production during the first 24 hours was ..... barrels of liquid of which ..... % was was oil; ..... % was emulsion; ..... % water; and ..... % was sediment. A.P.I. Gravity.....

GAS WELL: The production during the first 24 hours was ..... M.C.F. plus ..... barrels of liquid Hydrocarbon. Shut in Pressure ..... lbs.

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico				Northwestern New Mexico	
T. Anhy		T. Devonian		T. Ojo Alamo	
T. Salt		T. Silurian		T. Kirtland-Fruitland	
B. Salt		T. Montoya		T. Farmington	
T. Yates		T. Simpson		T. Pictured Cliffs	
T. 7 Rivers		T. McKee		T. Menefee	
T. Queen		T. Ellenburger		T. Point Lookout	
T. Grayburg		T. Gr. Wash		T. Marcos	
T. San Andres	2398'	T. Granite		T. Dakota	
T. Glorieta	3853'	T. Wolfcamp	7156'	T. Morrison	
T. Drinkard		T. Lower Wolfcamp	8635'	T. Penn	
T. Tubbs	5400'	T. Cisco	8794'	T.	
T. Abo	6004'	T. Atoka	10,176'	T.	
T. Penn		T. Lower Morrow	10,850'	T.	
T. Miss		T.		T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
290'	700'	410'	Salt				
700'	1750'	1050'	Anhydrite with stringers of dolomite and S.S.				
1750'	2055'	305'	S.S. interbedded with dolomite and anhydrite				
2055'	2443'	388'	Dolomite interbedded with stringers of S.S.				
2443'	6050'	3607'	Dolomite				
6050'	7150'	1100'	Dolomite interbedded with shale				
7150'	7250'	100'	Limestone				
7250'	9400'	2150'	Limestone with dolomite shale and chert stringers				
9400'	10650'	1250'	Limestone with sand and shale stringers				
10650'	10730'	80'	S.S. with shale stringers				
10730'	10966'	237'	Shale with limestone and sand stringers				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

October 7, 1959
(Date)

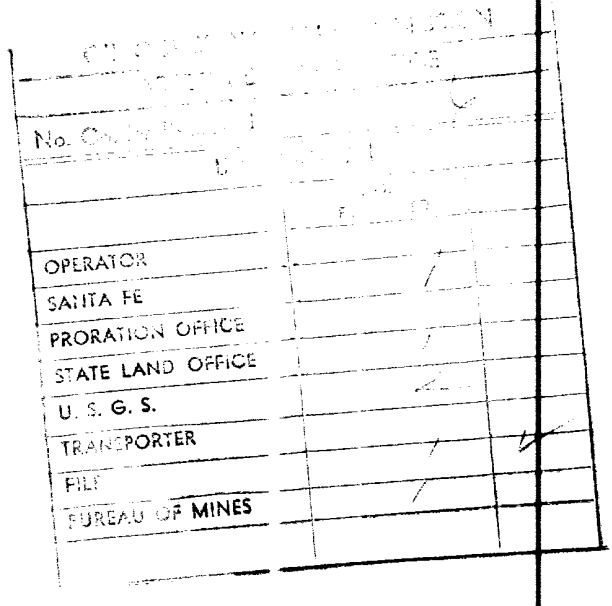
Company or Operator El Paso Natural Gas Company Address 2005 Wilco Building, Midland, Texas

Name D.E. Lockett D. E. Lockett Position or Title Division Petroleum Engineer

El Paso Natural Gas Company
Leonard State # 3
660' FSL, 660' FEL,
Sec 16, T-17-S, R-29-E NMPM
Eddy County, New Mexico

DRILL STEM TESTS

Date	Interval	Results
7-26-59	7154'-7200'	The tool was open for 1½ hours, strong blow of air throughout the test. Recovered 1000' of gas in the drill pipe and 80' of gas cut drilling mud with a slight oil show, ISIP 249# (1 hr), FSIP 316# (45 min), IFP 80#, FFP 91#, HP 3718#.
7-30-59	7317'-7330'	The tool was open 2 hours, opened with a strong blow of air and continued throughout the test. No GTS. Recovered 800' of gas in the drill pipe, 120' of highly gas cut mud, 30' of oil cut mud, HP in and out 3809#, ISIP 2845# (45 min), FSIP 1140 (45 min.), IFP 28#, FFP 71# .
8-24-59	8647'-8722'	Opened with a weak blow and died in 9 minutes, end of 30 min., bypassed and opened with a weak blow for 5 minutes and died. Recovered 90' of slightly gas cut drilling mud. ISIP 2710# (45 min) FSIP 3385# (1 hr.), IFP 85#, FFP 115#, HP (in and out) 4440#.
9-25-59	10678'-10744'	The tool was open for 3 hours, opened with a strong blow ofair and was strong throughout the test. Gas to surface in 3 hours while takinf the FSIP, TSTM. Recovered 350' of slightly gas cut mud and 4780' of slightly gas cut salt water, ISIP 4469' (1 hr), FSIP 4469' (1 hr), IFP 208#, FFP 2447#, HP (in and out) 5363#
9-30-59	10707'-10966'	The tool was open for 3 hours, opened with a weak blow and remained weak throughout teh test. Recovered 520' of slightly gas cut mud ISIP 381 # (45 min) , FSIP 408# (30 min), IFP 245#, FFP 381#, HP (in and out) 5500#.
9-30-59	10679'-10702'	The tool was open for 3 hours, opened with a good blow and increased to a strong blow in 2 hours, increased to a very strong blow in 2½ hours and continued throughout the test. Recovered 60 ' of Highly gas cut mud, and 94' of highly gas cut mud and water cut mud, 4630' of salt water, gas to surface whlie taking FSIP. ISIP 5314# (30 min), FSIP 4416# (30 min), IFP 167#, FFP 2032#.


No.
OPERATOR
SANTA FE
PRORATION OFFICE
STATE LAND OFFICE
U. S. G. S.
TRANSPORTER
FILE
BUREAU OF MINES