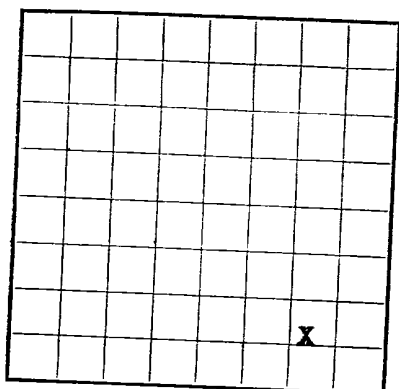
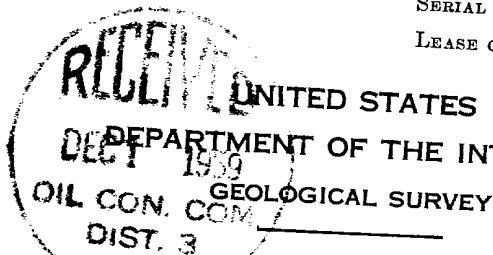




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **New Mexico**SERIAL NUMBER **02861**

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company**Address **Box 997, Farmington, New Mexico**Lessor or Tract **Lodewick**Field **Wildcat Dakota** State **New Mexico**Well No. **8** Sec. **19** T. **27N** R. **9W** Meridian **N.M.P.M.** County **San Juan**Location **890** ft. **N.** of **8** Line and **1025** ft. **W.** of **E** Line of **Section 19** Elevation **6517**
(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 **ORIGINAL SIGNED H.E. McANALLY**Date **November 24, 1959**Title **Petroleum Engineer**

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

Commenced drilling **8-9**, 19**59** Finished drilling **9-5**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2288** to **2336 (G)** No. 4, from **6785** to **6980 (G)**
No. 2, from **3861** to **4730 (G)** No. 5, from **6278** to **6666**
No. 3, from **5807** to **6278 (G)** No. 6, from **6666** to **6785**

IMPORTANT WATER SANDS

No. 1, from **2288** to **2336** No. 3, from **6785** to **6980**
No. 2, from **3861** to **4730** No. 4, from **6278** to **6666**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4	32.75	8 Rd.	J-55	328	Ball	Surface			Surface
5 1/2	15.50	8 Rd.	J-55	548	Ball	6278			Lead, Gsg.
2"	4.7	8 Rd.	J-55	7011					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	333	205	Circulated		
5 1/2	7072	410	Two Stages		

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

See Well History

TOOLS USED

Rotary tools were used from **0** feet to **7074** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

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 **2,615,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1,940**

A.O.F. 2978 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1425	1425	Tan to gry cr-grn ss interbedded w/gry sh.
1425	1520	95	Ojo Alamo ss. White cr-grn s.
1520	2070	550	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2070	2288	218	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2288	2336	48	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2336	3861	1525	Lewis formation. Gry to white dense sh w/silt; to shaly ss breaks.
3861	3970	109	Cliff House ss. Gry, fine-grn, dense sil ss.
3970	4627	657	Mamee form. Gry, fine-grn s, carb sh & coal.
4627	4730	103	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4730	5807	1077	Mancos formation. Gry carb sh.
5807	6278	471	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh.
6278	6615	337	Sanatee form. Dk gry calc very fine to fine gry ss w/calc veins w/irreg inter dk gry ss.
6615	6666	51	Greenhorn form. Highly calc gry sh w/thin lmst.
6666	6785	119	Graneros form. Dk gry shale, fossil & carb w/pyrite incl.
6785	6980	195	Dakota form. Lt to dk gry foss carb sl calc sil silty ss w/pyrite incl thin sh bands.
6980	7074	94	Morrison form. Interbed grn brn and red waxy sh & fr to cr grn sd.

