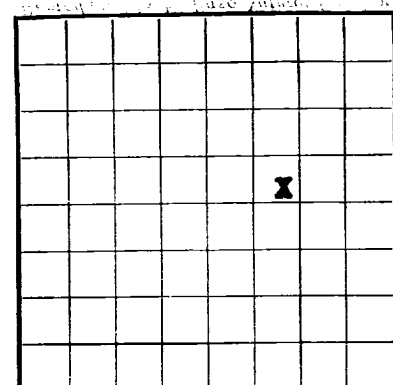


U. S. LAND OFFICE **Santa Fe**  
SERIAL NUMBER **079319**  
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 990, Farmington, New Mexico**  
Lessor or Tract **Schuerdtfeger "A"** Field **Basin Dakota** State **New Mexico**  
Well No. **20** Sec. **8** T. **27-N** R. **8-W** Meridian **N.M.P.M.** County **San Juan**  
Location **2080** ft. **NE** of **N** Line and **1900** ft. **EX** of **E** Line of **Section 8** Elevation **6740**  
(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.

Original Signed **D. W. Meehan**  
SignedDate **March 1, 1962** Title **Petroleum Engineer**

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

Commenced drilling **11-8**, 19 **61** Finished drilling **12-16**, 19 **61**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **7160** to **7281 (G)** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
**7281** to **7430 (G)** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, 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		Purpose
							From—	To—	
10 3/4"	28.5	8 W.	8 W.	282	Reeco				Surface
7 5/8"	26.4	8 rd	J-55	5017	Baker				Intermediate
4 1/2"	11.6, 10.5	8 rd	J-55	7457	Baker				Prod casing
2 3/8"	4.7	8 rd	J-55	7413	Baker				Prod tubing

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	294	220	circulated		
7 5/8"	5029	180	2 stage		
4 1/2"	7466	375	single		

## 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
7285-93; 7302-10;		Perf Dakota. Frac w/63,400 gal water, 50,000# sand. Flush 3400				
7304-88; 7322-7407;		gallons. NMF 1480#, max pr 3600#, tr pr 3000-3200-3400-3600#.				
		IR 42 BFM. 4 stage - 3 drops of 16 balls.				

## TOOLS USED

Rotary tools were used from **0** feet to **7467** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

**1-30**, 19 **61** 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 **2,191,000** Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. **2369 (avg.)** **A.O.F. 2369 NCF/D**

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	5185	5185	Tan to gry cr-grn ss interbedded w/gry sh.
5185	5300	115	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5300	6317	1017	Mancos form. Gry carb sh.
6317	7101	784	Gallup form. Lt gry to brn calc carb w/irreg. interbed sh.
7101	7160	59	Greenhorn form. Highly calc gry sh w/thin lmst.
7160	7281	121	Graneros form. Dk gry shale, fossil & carb incl.
7281	7430	149	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite anal thin sh bands clay & shale breaks.
7431	7467	36	Morrison form. Interbed grn brn and red waxy sh & fr to cr grn sand.

FORMATION RECORD—continued