



U. S. LAND OFFICE **SF**  
SERIAL NUMBER **081299**  
LEASE OR PERMIT TO PROSPECT

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED  
DEC 1959  
U. S. GEOLOGICAL SURVEY  
FEDERAL BUREAU OF RESEARCH

**LOG OF OIL OR GAS WELL**

LOCATE WELL CORRECTLY

Company **El Paso Natural Gas Products Co.** Address **Box 1565, Farmington, New Mexico**  
Lessor or Tract **El Paso Natural Gas Products Co** Field **Horseshoe Gallup** State **New Mexico**  
Well No. **3** Sec. **11** T. **30N** R. **16W** Meridian **NMPM** County **San Juan**  
Location **1650** ft. **N** of **S** Line and **2310** ft. **E** of **E** Line of **Section 11** Elevation **5448**  
(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 BY: JOHN J. STROJEK**  
Date **December 28, 1959** Title **Petroleum Engineer**

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

Commenced drilling **November 2**, 19**59** Finished drilling **November 23**, 19**59**

**OIL OR GAS SANDS OR ZONES**  
(Denote gas by G)

No. 1, from **2129** to **2139** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from **2011** to **2048** 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		Purpose
							From-	To-	
9-5/8"	38.0	8	McW	389	McW				Production
5-1/2"	22.3	8	McW	2224	McW				Production

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	107.73	125	Circulated		
5-1/2"	2223.49	100	Single Stage		

**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 **2224** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

**November 30**, 19**59** Put to producing **December 16**, 19**59**  
The production for the first 24 hours was **114** barrels of fluid of which **100**% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity,  $\text{°Be.}$  **38.4**  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

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

**FORMATION RECORD**

FROM-	TO-	TOTAL FEET	FORMATION
0	389	389	Cliff House ss. Gy., FG, ds. silty ss.
389	700	311	Point Lookout Form. Gy., v/fn. silty ss w/freq. shale breaks.
700	1788	1088	Mancos Form. Gy. carb. shale.
1788	2143	355	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. inbd. shale.
2143	2224	81	Sanastee Form. Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. inbd. dk. gy. sd.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			

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Serial Number  
Please see Permit to Prospect

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



Grid for well location: LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company: ...  
Field: ...  
County: ...  
Section: ...  
Location: ...

The information given hereon is a complete and correct record of the well and all work done thereon.  
Signed: ...  
Title: ...

The summary on this page is for the condition of the well at above date.  
Commented during ...  
11-29-29 ...  
11-29-29 ...

CASING RECORD  
SOFT PARTS: 2123'-2129' with 25, 200 gals. oil and 50, 000+ (10-20) sand;  
Flush with 2184 gals. oil. Injection Rate: 35.5 gals./min. Maximum  
reading pressure 1800 psi. Breakdown pressure 1500 psi. Average  
reading pressure 1500 psi. Injected 32 rubber balls halfway through  
treatment, 100 psi increase.

SOFT PARTS: 2011'-2018' with 34, 700 gals. oil  
Tangy bridge line at 2070'. SOFT PARTS: 2011'-2018' with 34, 700 gals. oil  
and 20, 000+ (10-20) sand. Flush with 2175 gals. oil. Injection Rate:  
30.0 gals./min. Maximum reading pressure 3500 psi. Breakdown pressure  
2300 psi. Average reading pressure 2100 psi. Injected 37 rubber balls  
halfway through treatment, 1800 psi increase.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together  
with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was  
retracted, or left in the well, give the line and location. If the well has been dynamited, give date, size, position, and number  
of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.  
Amount of cement  
Mud used  
Mud weight

TOOLS USED  
DATES  
EMPLOYEES

FORMATION RECORD

Table with columns: FROM, TO, TOTAL FEET, FORMATION

FORMATION RECORD - Continue

FORMATION RECORD - Continue

FORMATION RECORD - Continue

FORMATION RECORD - Continue

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