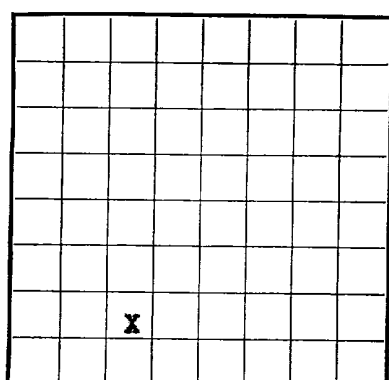
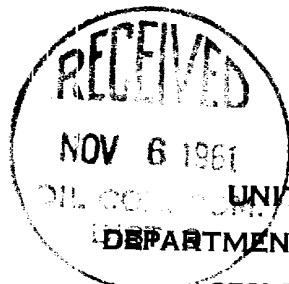




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **New Mexico**
SERIAL NUMBER **03862**
LEASE OR PERMIT TO PROSPECTUNITED 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 **San Juan 28-4 Unit** Field **Blanco Mesa Verde** State **New Mexico**
Well No. **27** Sec. **19** T**28N** R. **4W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **990** ft. ^[N.] of **S** Line and **1597** ft. ^[E.] of **W** Line of **Section 19** Elevation **7335**
(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 A.M. SMITH**

Date **October 31, 1961** Title **Petroleum Engineer**

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

Commenced drilling **9-6-**, 19**61**. Finished drilling **9-20-**, 19**61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5870** to **5970 (G)** No. 4, from _____ to _____
No. 2, from **5970** to **6265 (G)** No. 5, from _____ to _____
No. 3, from **6265** to **6662 (G)** 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"	32.3	8 rd	J-55	82	Hollow	_____	_____	_____	Surface
7"	20	8 rd	J-55	1432	Baker	_____	_____	_____	Intermediate
4 1/2"	11.8, 10.5	8 rd	J-55	224	Baker	_____	_____	_____	Prod liner
	9.5		HISLOK		BIT ON END	_____	_____	_____	
2 3/8"	4.7	8 rd	J-55	66.5	Baker	_____	_____	_____	Prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	250	250	circulated		
7"	4495	180	single stage		
4 1/2"	4418-6662	215	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
5476-80; 6486-90; 6442-50;						
6556-64; 6568-76; 6582-90;						
6608-16;						

5476-80; 6486-90; 6442-50; Frac Mesa Verde perf int w/62,350 gal water, 69,500# sand.
6556-64; 6568-76; 6582-90; Flushed w/990 gal. IR 42 BPM. Max pr 3000#, BDP 500#,
6608-16; Tr pr 1800-1900-2600#. Dropped 4 sets of 16 balls - 5 stages.

TOOLS USED

Rotary tools were used from _____ feet to **4575** feet, and from **4575 (Gals)** to **6662** feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 19, 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 **3,662,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **1158 (avg.)** A.O.F. **6105 MCF/D**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	5870	5870	Tan to gry cr-grn ss interbedded w/gry sh.
5870	5970	100	Cliff House ss. Gry, fine-grn, dense sil ss.
5970	6265	295	Menefee form. Gry, fine-grn s, carb sh & coal.
6265	6662	397	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

LOCATE WELL CORRECTLY

[illegible]

On record being _____, 19____, finished on the _____ of _____, 19____.

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

Date of this report _____

State of _____

OIL OR GAS SANDS OR EVAPORITE

(D) $\lim_{x \rightarrow 0} \frac{f(x)}{x} = 1$

Year	From	To	Year	From	To
2001	1.0%	1.5%	2001	1.0%	1.5%
2002	1.0%	1.5%	2002	1.0%	1.5%
2003	1.0%	1.5%	2003	1.0%	1.5%
2004	1.0%	1.5%	2004	1.0%	1.5%
2005	1.0%	1.5%	2005	1.0%	1.5%
2006	1.0%	1.5%	2006	1.0%	1.5%
2007	1.0%	1.5%	2007	1.0%	1.5%
2008	1.0%	1.5%	2008	1.0%	1.5%
2009	1.0%	1.5%	2009	1.0%	1.5%
2010	1.0%	1.5%	2010	1.0%	1.5%
2011	1.0%	1.5%	2011	1.0%	1.5%
2012	1.0%	1.5%	2012	1.0%	1.5%
2013	1.0%	1.5%	2013	1.0%	1.5%
2014	1.0%	1.5%	2014	1.0%	1.5%
2015	1.0%	1.5%	2015	1.0%	1.5%
2016	1.0%	1.5%	2016	1.0%	1.5%
2017	1.0%	1.5%	2017	1.0%	1.5%
2018	1.0%	1.5%	2018	1.0%	1.5%
2019	1.0%	1.5%	2019	1.0%	1.5%
2020	1.0%	1.5%	2020	1.0%	1.5%
2021	1.0%	1.5%	2021	1.0%	1.5%
2022	1.0%	1.5%	2022	1.0%	1.5%
2023	1.0%	1.5%	2023	1.0%	1.5%
2024	1.0%	1.5%	2024	1.0%	1.5%
2025	1.0%	1.5%	2025	1.0%	1.5%
2026	1.0%	1.5%	2026	1.0%	1.5%
2027	1.0%	1.5%	2027	1.0%	1.5%
2028	1.0%	1.5%	2028	1.0%	1.5%
2029	1.0%	1.5%	2029	1.0%	1.5%
2030	1.0%	1.5%	2030	1.0%	1.5%

IMPORTANT WATER 24-03

.....tofrom
.....tofrom

CASE AND RECORD

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

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

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C-10-NAM