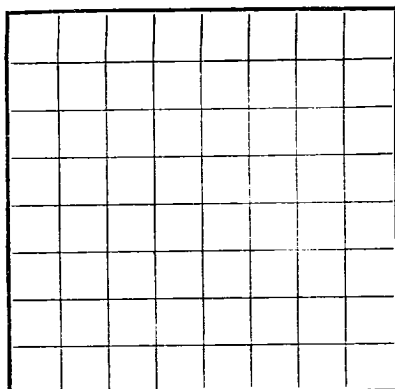
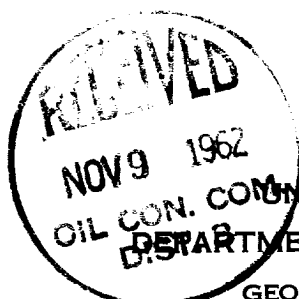


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078763**
LEASE OR PERMIT TO PROSPECT _____

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 **Rosa Unit** Field **Blanco Mesa Verde** State **New Mexico**
Well No. **46** Sec. **8** T. **31N** R. **5W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **890** ft. **EX** of **N** Line and **1840** ft. **EX** of **E** Line of **Section 8** Elevation **6341**
(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 8, 1962**Title **Petroleum Engineer**

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

Commenced drilling **7-29-**, 19 **62** Finished drilling **8-21-**, 19 **62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5334** to **5433 (G)** No. 4, from _____ to _____
No. 2, from **5433** to **5577 (G)** No. 5, from _____ to _____
No. 3, from **5577** to **5800 (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"	3213	8 rd	E-40	339	Baker	Surface to 5334			Surface
7"	28	8 rd	V-55	3502	Baker	5334 to 5433			Intermediate
4 1/2"	10.5	8 rd	J-55	2355	Baker	5433 to 5851			Liner

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	331	210	circulated		
7"	3592	165	single		
4 1/2"	3496-5851	215	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
Perf 5684-90; 5614-20; 5480-86; 5458-64 (2 SFF); Frac w/66,864 gallons water, 72,500# sand. Fl w/7434 gallons. I.R. 44.6 BPM. Max pr 3100#, tr pr 2000#, 3 drops of 12 balls.						

TOOLS USED

Rotary tools were used from _____ feet to **5851** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19 **62**

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 _____ 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	5334	5334	Tan to gry cr-grn ss interbedded w/gry sh.
5334	5433	99	Cliff House ss. Gry, fine-grn, dense sil ss.
5433	5577	144	Manefee form. Gry, fine-grn, s, carb sh & coal.
5577	5800	223	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5800	5851	51	Manefee form. Gry carb sh.

This well was plugged and abandoned as follows:

- Spotted 35 sack cement plug across perfs 5690-5458.
- Cut 7" casing @ 1410'. spotted 35 sack cement plug across cut off.
- Pulled 7" casing.
- Spotted 20 sack cement surface plug & installed 4' x 4" dry hole marker.

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 "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, position, and results of pumping or burning. 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 "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, position, and results of pumping or burning.

HISTORY OF OIL OR GAS WELL			
FLOODING AND CEMENTING RECORD			
TOOL USED			
EFFECTIVE			
FORMATION RECORD			
TOTAL FEET			
FROM—			
TO—			
FORMATION			