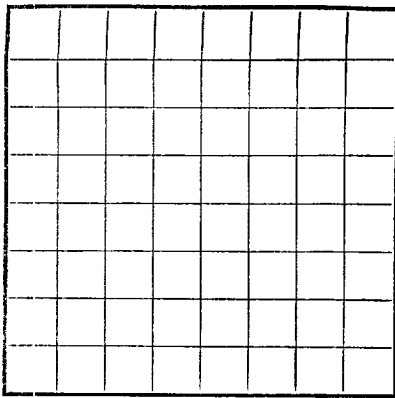
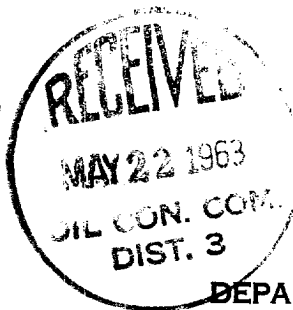


U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **078518-A**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

CORRECTED COPY
LOG OF OIL OR GAS WELL

MAY 21 1963

U. S. GEOLOGICAL SURVEY
SANTA FE, NEW MEXICO

Company **El Paso Natural Gas Company** Address **Box 990, Barmington, New Mexico**
Lessor or Tract **Huerfano Unit** Field **Basin Dakota** State **New Mexico**
Well No. **137** Sec. **31** T. **26-N** R. **9-W** Meridian **N.M.P.M.** County **San Juan**
Location **1657** ft. **N.** of **8** Line and **1600** ft. **W.** of **E** Line of **Section 31** Elevation **6653**
(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.

Corrected May 14, 1963
Date **January 8, 1963**

Signed **ORIGINAL SIGNED E. S. OBERLY**
Title **Petroleum Engineer**

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

Commenced drilling **10-25-**, 19 **62** Finished drilling **11-5**, 19 **62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5498** to **6467 (G)** No. 4, from _____ to _____
No. 2, from **6467** to **6576 (G)** No. 5, from _____ to _____
No. 3, from **6576** to **6770 (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"	43.5	8 rd	J-80	312	HOWOG				Surface
5 1/2"	15.5	8 rd	J-55	6758	Baker				Prod casing
2 3/8"	4.7	8 rd	J-55	6644	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"	327	232	circulated		
5 1/2"	6770	400	2 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
Perf 6532-38, 6586-92, 6608-14, 6628-34, 6693-99 (2 SPT); Frac w/79,990 gallons water, 75,000# sand. Flush w/6700 gallons water. IR 43.4 BPM. Max pr 3800#, BDP 2000#, tr pr 2600-3800#. 4 drops of 12 balls.						

TOOLS USED

Rotary tools were used from **0** feet to **6770** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

11-27-, 19 **62** 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 **6,027,000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **1944** **A.O.F. 8282**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1123	1123	Ojo Alamo
1123	1298	175	Kirtland
1298	1851	353	Fruitland
1851	2063	212	Pictured Cliff
2063	2140	77	Lewis
2140	3646	1506	Cliff House
3646	3669	23	Menefee
3669	4431	762	Point Lookout
4431	4601	170	Manos
4601	5498	897	Gallup
5498	6418	920	Greenhorn
6418	6467	49	Graneros
6467	6576	109	Dakota
6576	6770	194	

(OVER)

FORMATION RECORD—SURVEY

16-43094-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, 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, size, 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 falling.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

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