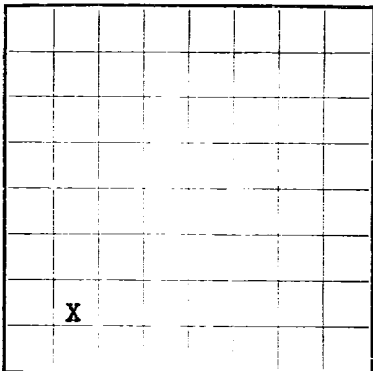


U. S. LAND OFFICE New Mexico
SERIAL NUMBER 020495
LEASE OR PERMIT TO PROSPECT _____



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 Angel Peak Field Wildcat Dakota State New Mexico
Well No. 1 Sec. 2 T27-N. R. 11-W Meridian N.M.P.M. County San Juan
Location 1120 ft. N. of S. Line and 1090 ft. E. of W. Line of Section 2 Elevation 5064
XXX XX (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 _____
Date November 11, 1960 Title Petroleum Engineer

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

Commenced drilling 8-26-, 1960 Finished drilling 9-12-, 1960

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

No. 1, from 5307 to 5409 (G) No. 4, from _____ to _____
No. 2, from 5409 to 6550 (G) 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—	
10	<u>3/4"</u>	<u>32.75</u>	<u>P.R.</u>	<u>S.M.</u>	<u>284</u>	<u>Horse</u>				<u>surface</u>
5	<u>1 1/2"</u>	<u>15.5</u>	<u>8 Rd.</u>	<u>J-55</u>	<u>6538</u>	<u>Baker</u>				<u>prod casing</u>
2"	<u>4.7</u>	<u>8 Rd.</u>	<u>J-55</u>	<u>644</u>						<u>prod tubing</u>

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10	<u>3/4"</u>	<u>294</u>	<u>330</u>	<u>circulated</u>		
5	<u>1 1/2"</u>	<u>6548</u>	<u>374</u>	<u>single stage</u>		

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
<u>See Well History</u>						

TOOLS USED

Rotary tools were used from 0 feet to 6550 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

9-29-, 1960 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 8,422,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1929 A.O.F. 18175 MCF/D

EMPLOYEES

_____, Driller _____ Driller
_____, Driller _____ Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	800	800	Tan to gry c-r grn ss interbedded w/gry sh.
800	880	80	Ojo Alamo ss. White cr-grn s.
880	1679	799	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
1679	1835	206	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn s.
1835	1964	79	Pictured Cliffs forms Gry, fine-grn, tight, varicolored soft ss.
1964	3409	1445	Lewis form. Gry, fine-grn, dense sil ss.
3409	3525	116	Cliff House ss. Gry, fine-grn, dense sil ss.
3525	4323	798	Menefee form. Gry, fine-grn s, carb sh & coal.
4323	4552	229	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4552	5440	888	Mancos form. Gry carb sh.
5440	5897	457	Gallupform. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg.interbed sh.
5897	6251	354	Sanostee form.Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
6251	6307	56	Greenhorn form Highly calc gry sh w/thin lmst.
6307	6409	102	Graneros form.Dk gry sh, fossil & carb w/prite & incl.
6409	6550	141	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.

FORMATION RECORD—Continued

[illegible]

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, 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 bailing.

HISTORY OF OIL OR GAS WELL

10-45084-2 U. S. GOVERNMENT PRINTING OFFICE

Dakota:
Frac w/61, 611 gal water & 60,000 # 40-60 sand.
Flush w/9087 gal. Max pr. 3900 #. Formation broke @
1200'. Avg injection 95 BPM. Pr or 2300-2400-2500-
2600-2900-3500-~~3200~~ 2200'. Spotted 300 gallons acid
prior to perf. Dropped 6 sets of 15 balls, & 1 of 30.

6340-44; 6354-58;
6362-56; 6370-76;
6410-16; 6420-25;
6430-38; 6445-49;
6454-66; (2 DJF)

5875-5900'. 3 hours Rec. 30' H-G-C-M. 1: DST No.