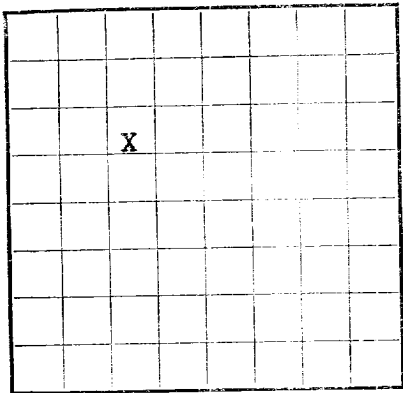


U. S. LAND OFFICE New Mexico
SERIAL NUMBER 02515
LEASE OR PERMIT TO PROSPECT _____



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 Huerfano Unit Field Basin Dakota State New Mexico
Well No. 121 Sec. 21 T. 26-NR R. 10-W Meridian N.M.P.M. County San Juan
Location 1650 ft. N of S Line and 1650 ft. E of W Line of Section 27 Elevation 6665
(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 March 21, 1961 Title Petroleum Engineer

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

Commenced drilling 1-21-, 1961 Finished drilling 2-7-, 1961

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

No. 1, from 6534 to 6630 (G) No. 4, from _____ to _____
No. 2, from 6630 to 6803 (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—	
9 5/8"	32.4	8 rd.	H-40	322	HOWCO				surface
5 1/2"	17 & 15.5	8 rd.	N-80, J-55	6789	Baker				prod casing
2	4.7	3 rd.	J-55	5639					prod liner

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	336	210	circulated		
5 1/2"	6802	405	two 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 6803 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

2-12-, 1961 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 9,487,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2008 A.O.F. 20,919 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	110	110	Tan to gry cr-grn ss interbedded w/gry sh.
110	1245	1135	Ojo Alamo ss. White cr-grn s.
1245	1881	636	Kirland form Gry sh interbedded w/tight gry fi grn ss.
1881	2093	212	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2093	2163	70	Pictured Cliffs forms Gry, fine-grn, tight, var. icolored soft ss.
2163	3608	445	Lewis form. Gry, fine-grn, dense sil ss.
3608	3688	80	Cliff House ss. Gry, fine-grn, dense sil ss.
3688	4522	834	Menefee form. Gry, fine-grn s, carb sh & coal.
4522	4700	178	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4700	5643	943	Mancos form. Gry carb sh.
5643	6123	480	Gallup form. Lt gry to brn calc carb micac glaucous very fine gry ss w/irreg. interbed sh.
6123	6487	364	Sanostee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
6487	6534	47	Greenhorn form Highly calc gry sh w/thin lmst.
6534	6630	96	Graneros form. Dk gry sh, fossil & carb w/prite incl.
6630	6803	173	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite incl thin bands clay & shale breaks.

FORMATION

FROM--

—01

TOTAL FIRST

FORMATION

HISTORY OF OIL OR GAS WELL

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.

2-10-61 Total Depth 6803. C.O.F.D. 6730.
Sand water traced Dakota parts 6636-48; 6666-78 (g DJ/ft.) w/60,000 gal water,
50,000# 40/60 sand. Flushed w/6700 gal. IR 45.9 BHM. BDP 1300#, max IR 3300#.
IR pr 3100-3300#. Dropped 1 set of 25 balls for 2 stages. Spotted 250 gal MCA
before perf. Trac water contained 1# calcium chloride and 1 gal Mor F10/1000 gal.