



A 10x10 grid with an 'X' in the 2nd row, 8th column.

RECEIVED
JUN 1 1961

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **077106**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company	El Paso Natural Gas Company						Address	Box 990, Farmington, New Mexico							
Lessor or Tract	Lackey "B"						Field	Basin Dakota				State	New Mexico		
Well No.	14		Sec.	30		T.	28N		R.	9W		Meridian	N.M.P.M.		
												County	San Juan		
Location	790		ft.	XXX		of	N		Line and	990		ft.	XXX		
												of	E		
												Line of	Section 30		
													Elevation 5945		

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.

Date May 29, 1961 Signed _____ Title Petroleum Engineer

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

Commenced drilling 4-3- 19 61 Finished drilling 4-21- 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from	3730	to	3812 (G)	No. 4, from	6380	to	6500 (G)
No. 2, from	3812	to	4398 (G)	No. 5, from	6500	to	6662 (G)
No. 3, from	4398	to	4524 (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"	32.30	8 rd	H-40	303	Hisco				Surface
4 1/2"	9.54	1.6	J-55	6622	Baker				Prod. casing
2 3/8"	4.7	8 rd	J-55	6622					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"	320	320	circulated		
4	1/2"	6622	1510	single stage & squeeze		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material	Size
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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 6688 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

5-5-1961 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 4,832,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1,975 A.O.F. - 5941 MCF/D

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	1055	1055	Tan to gry cr-grn ss interbedded w/gry sh.
1055	1149	94	Ojo Alamo ss. White cr-grn s.
1149	1827	678	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1827	2065	238	Kirtland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2065	2180	115	Pictured Cliffs form Gry, fine-grn, tight, varicolored soft ss.
2180	3730	1550	Lewis form. Gry, fine-grn, dense sil ss.
3730	3812	82	Cliff House form. Gry, fine-grn, dense sil ss.
3812	4398	586	Menefee form. Gry, fine-grn s, carb sh & coal.
4398	4524	126	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4524	5540	1016	Mancos form. Gry carb sh.
5540	5978 (Est.)	438	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
5978	6321	343	Sanostee form. Brk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
6321	6380	59	Greenhorn form. Highly calc gry sh w/thin lmst.
6380	6500	120	Graneros form. Dk gry sh, fossil & carb w/prite incl.
6500	6662	162	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/prite incl thin sh bands clay & shale breaks.
6662	6658	26	Morrison form. Interbed grn brn and red waxy sh

[OVER] fr to cr grn sd.

16-48094-4

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 "detached" 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

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

! Important!

6454-60;
6502-10;
6518-28;
6546-655;
6574-80;
6622-28;
6642-48;

Frac Dakota w/46,400 gal water & 51,000# sand. HDP 3200#, max pr
3500#, avg tr pr 3200-2800-3000-2900-~~3200-3100~~
3200-3100-3300-3100-3500-3100#. IR 40.5 BHM. Flush 10,000 gallons.
5 stages - drops of 12 balls each. Water contained 2 1/2 J-100/1000
gal. Spotted 500 gal. HMA prior to perf. 5-T-6L, packer set.
Artificialized w/500 gal HMA. Grabbed dry. Slight show of gas.