

A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares.

LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079364
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

6-3 GEOLOGICAL & SEDIMENTATION NEWS

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
 Lessor or Tract Rincon Unit Field So. Blanco Dak. State New Mexico
 Well No. 129(MD) Sec. 29 T. 27NR. 6W Meridian N.M.P.M. County Rio Arriba
 Location 1650 ft. N. of S. Line and 1640 ft. E. of E. Line of Section 29 Elevation 6701

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 May 10, 1966 Title Petroleum Engineer

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

Commenced drilling 11-29 19 59 Finished drilling 12-23 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3774 to 4886 (G) No. 4, from 7350 to 7543 (G)
 No. 2, from 4886 to 5432 (G) No. 5, from 7543 to 7711 (G)
 No. 3, from 5432 to 5588 (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—	
13 3/8	48	3 RD	N-40	325	Howco				Surface
9 5/8	36	3 RD	J-55	3351	Baker				Intermediate
7	26 & 23	8 RD	J-55; N-80	7355	Baker				Prod. Casing
5"	15	3 RD	P-110	502	Baker				Prod. Liner
2 3/8	4.7	— RD	J-55	7594					Prod. Tubing
1 1/4	2.4	10 RD	Grade "A"	5405					Prod. Tubing

MUDDING AND CEMENTING RECORD

	Size casting	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	13-3/8	345	220	Circulated		
	9-5/8	3363	170	Single Stage		
	7	3365	1010	Single Stage		
	6	3366	75	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material Size **Baker Model D Packer at 6450***

SHOOTING RECORD

[illegible]

TOOLS USED

TOOLS USED

Rotary tools were used from 0 feet to 3370 feet, and from 3370 feet to 7710 feet. Gas Drilled

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

DATES

-----3-27-----, 19-----60----- 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 N.Y. 2,751,000 Gallons gasoline per 1,000 cu. ft. of gas -----
Dak. 6,651,000

If gas well, cu. ft. per 24 hours 2,751,000 Gallons gasoline per 1,000 cu. ft. of gas -----
Dec. 6,651,000

Rock pressure, lbs. per sq. in.
MV-1320; Dek-2333 A.C.F. = M.V. 2839; Dek. 6471 HCF/D

Arapahoe Drilling Company, Driller _____, Driller _____
_____, Driller _____, Driller _____

McKinney Drilling Company

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	2518	2518	Tan to gry cr-grn ss interbedded w/gry sh.
2518	2602	84	Ojo Alamo ss. White cr-grn s.
2602	2973	371	Kirtland form. Gry sh interbedded w/tight gry fine grn ss.
2973	3166	193	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3166	3306	140	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3306	3774	468	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
3774	4886	1112	Cliff House ss. Gry, fine-grn, dense sil ss.
4886	5432	546	Menefee form. Gry, fine-grn s, carb sh & coal.
5432	5588	156	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5588	6553	965	Mancos formation. Gry carb sh.
6553	6960	407	Gallup form. Lt gry to brn calc barbed micac glauco very fine gry ss w/irreg. interbed sh.
6960	7024	64	Tocito form. Fr to mud grn sub angular to sub red waxy sh & fr to cr grn sd.
7024	7325	301	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
7325	7380	55	Greenhorn form. Highly calc gry sh w/thin lmet.
7380	7543	163	Graneros form. Dk gry shale, fossil & carb w/pyrite incl.
7543	7711	168	Dakota form. Lt to dk gry foss carb sl calc (over) silty ss w/pyrite incl thin sh bands clay and shale breaks.

FORMATION RECORD—Continued

FROM-	TO-	TOTAL FEET	FORMATION
7711	7772	61	Morrison form. Interbed grn brn & red waxy sh & fr to cr grn sd.

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.

Water frac. Point Lockout perf. int. 5396-5406; 5430-5440; 5448-5460; 5474-5482; 5518-5524; 5556-5564 w/43,250 gallons water and 60,000# sand. NDP 1600#, max. pr. 4000#, avg. tr. pr. 1200-1500-1800-2250#. I.R. 53 BPM. Flush 9250 gallons
Dropped 4 sets of 18 balls.

Oil frac. Graneros perf. int. 7448-7456; 7439-7440; 7446-7456; 7460-7468
w/45,000 gallons oil and 40,000# sand. BDP 2000#, max. pr. 3450#, avg. tr. pr.
2700-3000-3200-3400#. I.R. 50 BHM. Flush 11,970 gallons oil, 500 gallons MCA
ahead of frac. Dropped 3 sets of 20 balls.

Oil frac. Dakota perf. int. 7544-7552; 7584-7594; 7600-7608; 7614-7628 w/35,000 gallons oil and 21,000# sand. BDP 2500#, max. pr. 4000#, avg. tr. pr. 3400#. I.R. 46 BPM. Flush 12,054 gallons oil. 250 gallons of 1 1/2% MCA ahead of frac. Dropped one set of 20 balls.