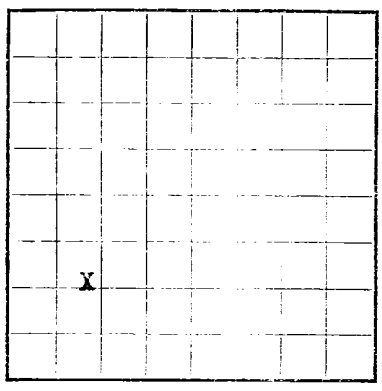
Form 9-330



LOCATE WELL CORRECTLY

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 7934
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 Rincon Unit Field Blanco M.V. & So.Blanco Dak.Ext State New Mexico
Well No. 128(MD) Sec. 28 T. 27 N R. 6 W Meridian N.M.P.M. County Rio Arriba
Location 1600 ft. [N.] [XXX] of S Line and 990 ft. [E.] [XXX] of W Line of Sec. 28 Elevation 6589
(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 [illegible] W. Meehan

Date June 24, 1960 Title Petroleum Engineer

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

Commenced drilling 10-16-59, 19.... Finished drilling 11-11-59, 19....

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 4907 to 5024 (G) No. 4, from 7372 to 7545 (G)
No. 2, from 5024 to 5432 (G) No. 5, from 7545 to 7746(G)
No. 3, from 5432 to 5596(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 From—	Perforated To—	Purpose
13	3/8"	48	8Rd.	H-40	296	Howco				surface
9	5/8"	40 & 36	8 Rd.	N-80 & J-55	3391	Baker				intermediate
7	"	26 & 23	8 Rd.	N-80 & J-55	7368	Baker				prod.casing.
5	"	15	8 Rd.	J-55	476	Baker				prod liner
2	"	4.7	8 Rd.	J-55	7572					prod. tubing
2	"	4.7	8 Rd.	J-55	5500					prod. tubing.

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13	3/8"	306	330	circulated		
9	5/8"	3401	170	single stage		
7	"	7378	1000	single stage		
5	"	7311-7744	110	single stage & squeeze		

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

TOOLS USED

Rotary tools were used from 0 feet to 3402 feet, and from 3402 feet to 7443 feet
Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

Gas Drilled
Mud circulation
7443
7789

DATES

5-8, 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 M- 324,000 D-2513,000 Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. M-1318 D-2187

EMPLOYEES

M-830 D-2601 MCF/D

....., Driller ....., Driller

....., Driller ....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2541	2541	Tan to gry cr-grn ss interbedded w/gry sh.
2541	2633	92	Ojo Alamo ss. White cr-grn s.
2633	3007	374	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
3007	3192	185	Fruitland form. Gry carb sh, scattered coals, coals and gry,tight fine-grn ss.
3192	3282	90	Pictured Cliffs form gry,fine-grn,tight,vari-colored soft ss.
3282	4907	1625	Lewis form.gry,fine-grn,dense sil ss.
4907	5024	117	Cliff House ss.gry,fine-grn,dense ss.
5024	5432	408	Menefeeform.gry,fine-grn s, carb sh & coal.
5432	5596	164	Point Lookout form.gry,very fine sil ss w/freque sh breaks.
5596	6395	799	Mancos form.gry carb sh.
6395	6962	567	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irregular interbedded sh.
6962	7030	68	Tocito form. Fr to md grn sub angular to sub rd clr quartz a sd glauco lt gr to tan
7030	7315	285	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg. inter drk gry s.
7315	7372	57	Greenhorn form Highly calc gry sh w/thin lmst.
7372	7545	173	Graneros form. Dk gry shale,fossil & carb w/ prite incl.
7545	7746	201	Dakota form. Lt. to dk bry foss carb sl calc (over) silty ss w/prite incl thinsh bands & shale breaks.

FORMATION RECORD—Continued

FROM--	TO—	TOTAL FEET	FORMATION
7746	7789	43	Morrison . Interbedded grn brn and red waxy sh & fr to cr grn sd.

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

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.

5347-5367;5375-5387; 5402-5418;5449-5473; 5487-5505;5534-5544;	Frac. M.V. w/76,800 gal. water & 70,000 # sand. Flushed 13,100 gal. I.R. 48.8 B.P.M. Max.pr. 2500#, B.D.P. 2500 # tr.pt.1900-2100 2200-2300 #. Dropped 2 sets of 20 balls & 2 sets of 10 balls.
7418-7429;7444-7453;7464-7470;	Granerus came in natural. (Did Not Use Frac.)
7548-7558;7563-7570; 7584-7597;7603-7611; 7622-7632;	Frac. middle & upper Dak. w/42,000 gal. oil & 30,000 # sand. I.R. 60.2 B.P.M. tr.pr.3300-3200-3100-3400 # Flush 14,000 gal. oil. Spotted 500 gal. MCA ahead of frac. Dropped 3 sets of 15 balls.
7664-7670;7674-7679	Acidized w/500 gal. 15 % MCA. Frac. lower Dakota w/10,000 oil & no sand. tr. pr. 5800 #. I.R. 6.3 B.P.M.(Fraced thru tbg. & pkr.) Sq. lower Dakota perfs w/50 sk. Pozmix "140" thru D.C. retainer