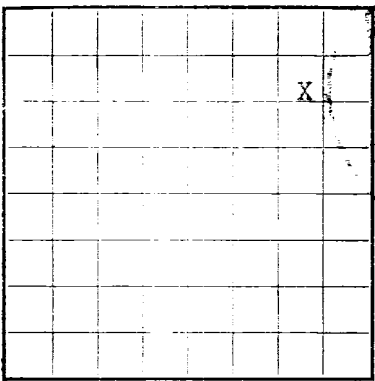




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 073364
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company E. Paso Natural Gas Co. Address Box 227, Farmington, New Mexico
Lessor or Tract Rincon Unit Field Blanco Mesa Verde & Wildcat Dakota State New Mexico
Well No. 127 (143) Sec. 28 T. 27N R. 3W Meridian N.M.P.M. County Rio Arriba
Location 11.5 ft. XXX of N Line and 8.5 ft. XXX of E Line of Sec 28 Elevation 5115 (Derrick base 5115, 50 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 _____ Title _____
Date Mar 2, 1960 Title Petroleum Engineer
The summary on this page is for the condition of the well at above date.

Commenced drilling 11-15-, 1959. Finished drilling 12-17-, 1959.

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

No. 1, from 4340 to 4897 (G) No. 4, from 7333 to 7492 (G)
No. 2, from 4347 to 5353 (G) No. 5, from 7492 to 7602 (G)
No. 3, from 5353 to 5524 (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.	H-40	311	Howoe				Surface
9 5/8"	40.3	3 Rd.	H-80, J-55	3341	Baker				Intermediate
7"	23	3 Rd.	H-80, J-55	7241	Baker				Prod. casing
5"	15	3 Rd.	J-55	481	Baker				Prod. liner
2"	4	3 Rd.	J-55	7480					Prod. tubing
1 1/4"	2.4	10 Rd.	Grade "A"	5509					Prod. tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	325	230	circulated		
9 5/8"	3353	170	single stage		
7"	7233	970	single stage		
5"	7217-7492	100	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Baker Model "D" packer @ 6360'

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 3353 feet, and from 3353 feet to 7233 feet
Cable tools were used from _____ feet to _____ feet, and from 7233 feet to 7760 feet

DATES

4-10, 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 M-1,499,000 D-4,117,950 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. M-1328 D-2170 A.O.F. - M-1512 D-5373 MCF/D

EMPLOYEES

Carroll Drilling Co., Driller Evitt Drilling Co., Driller
_____, Driller _____, Driller
McKinney Drilling Co.

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2405	2485	Tan to gry cr-grn ss interbedded w/ gr sh.
2405	2605	121	Ojo Alamo-ss. White cr. grn s.
2605	2920	314	Kirtland form. Gry sh interbedded w/tight gr. fine-grn ss.
2920	3149	229	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight fine-grn ss.
3149	3243	99	Picture Cliffs form. Gry, fine-grn, tight varicolored soft ss.
3243	4340	1592	Lewis form. Gry to white dense sh w/silty ss breaks.
4340	4897	57	Cliff House ss Gry, fine-grn, dense sil ss.
4897	5353	451	Menefee form. Gry, fine-grn s, carb sh & coal.
5353	5524	166	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5524	6405	881	Mancos formation. Gry card sh.
6405	6911	506	Gallup form. Lt. gry to brn calc carb micac glauco very fine gry ss w/irreg. interbedded sh.
6911	6973	62	Tocito form. Fr. to md.grn sub angular to sub rd clr quartz sd glauco lt gr to tan.
6973	7273	300	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg. drk gry s.
7273	7338	65	Greenhorn form. Highly calc gry sh w/thin lmst.
7338	7492	154	Graneros form. Drk gry shale, fossil & carb w/white incl.

[illegible]

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

12-8-59	Core No. 1:	7360-7421	Rec. 61'
12-10-59	Core No. 2:	7451-7512	Rec. 58'
12-13-59	Core No. 3:	7514-7564	Rec. 50'
	Core No. 4:	7564-7566	Rec. 2'
12-14-59	Core No. 5	7586-7579	Rec. 13'
12-15-59	Core No. 6	7579-7610	Rec. 31'
12-16-59	Core No. 7	7610-7619	Rec. 9'

Perf. Mesa Verde: Frac M.V. perf's w/29,00 gal. water & 29,000 # sand. B.D.P.
5328-5336; 5360-5368; 1500 #, max. pr. 3500 # avg. tr. pr. 3000 #. I.R.-42 B.P.M.
5412-5426; 5438-5446;
5464-5472; 5478-5486;
5492-5500;
SEE SEE THE FIELD ON PAGE

Perf Graneros: Frac Graneros w/44,397 gal oil & 40,000 # sand. B.D.P.
7364-7380; 7388-7402; 3200# max.pr.3300#, avg. tr.pr. 3000-2900-3100 #. I.R.-
7408-7422; 51.9 B.P.M. Flush 12,500 gal.

Perf Dakota: Frac Dakota w/ 45,338 gal oil & 49,950 # sand. B.D.P. 2500#
7422-7510; 7530-7544; max. pr. 3700 #, avg. tr. pr. 3200 #. I.R. 43.4 B.P.M.
7552-7564; 7576-7586; Flush 11,150 gal.

ROYAL MAIL COMBEC LTD

TOO OF OT ON ONE AER

[illegible]

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