



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

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Rincon Unit Field Blanco M. V. & So. Dak. Ext. State New Mexico
Well No. 135(MD) Sec. 29 T. 27N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 1160 ft. S. of N. Line and 1750 ft. W. of E. Line of Section 29 Elevation 6606'
(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 Original Signed/ B. H. Means
Date May 6, 1960 Title Petroleum Engineer

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

Commenced drilling 12-6, 1959 Finished drilling 1-13, 1960

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

No. 1, from 4739 to 4898 (G) No. 4, from 7325 to 7455 (G)
No. 2, from 4898 to 5380 (G) No. 5, from 7455 to 7634 (G)
No. 3, from 5380 to 5569 (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	8 Rd.	H-40	325	Howco				Surface
9 5/8	36	8 Rd.	J-55	3308	Baker				Intermediate
7"	23	8 Rd.	J-55; N-80	7298	Baker				Prod. Csg.
5"	15	8 Rd.	J-55	472	Baker				Prod. Liner
2 3/8"	4.7	8 Rd.	J-55	7537					Prod. Tubing
1 1/4	2.4	10 Rd.	Grade "A"	5481					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	336	230	Circulated		
9 5/8	3318	120	Single Stage		
7"	7309	1010	Single Stage		
5"	7239-7711	70	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Baker Model "D" packer set at 6919'

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			See Well History			

TOOLS USED

Gas Drilled

Rotary tools were used from _____ 0 feet to 3318 feet, and from 3318 feet to 7653 feet
Cable tools were used from _____ feet to _____ feet, and from 7653 feet to 7715 feet

DATES

2-15, 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-1,508,000
D-6,054,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. M-1038; D-2517 A.O.F. = M-153; D-7120 MCF/D

EMPLOYEES

San Juan Drilling Company, Driller _____ Driller _____
Evitt Drilling Company, Driller _____ Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2503	2503	Tan to gry cr-grn ss interbedded w/gry sh.
2503	2580	77	Ojo Alamo ss. White cr-grn s.
2580	2915	335	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2915	3132	217	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3132	3241	109	Pictured Cliffs form. Gry, fine-grn, tight, va varicolored soft ss.
3241	4739	1498	Lewis formation. Gry to white dense sh w/silty toshaly ss breaks.
4739	4898	159	Cliff House ss. Gry, fine-grn, dense sil ss.
4898	5380	482	Menefee form. Gry, fine-grn s, carb sh & coal.
5380	5569	189	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5569	6326	757	Mancos formation. Gry carb sh.
6326	6912	586	Gallup form. Lt gry to brn calc varb mica: glauco very fine gry ss w/irreg. interbed sh.
6912	6973	61	Tocito form. Fr to md grn sub angular to sub rd clr quartz sd glauco lt gr to tan.
6973	7266	293	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
7266	7325	59	Greenhorn form. Highly calc gry sh w/thin lmst.
7325	7455	130	Guaneros form. Dk gry shale, fossil & carb w/pyrite incl.
7455	7634	179	Bakota form. Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks.

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
7634	7715	81	Morrison form. Interbed grn brn & red waxy sh & fr to cr grn sd.

HISTORY OF OIL OR GAS WELL

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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. Cliff House perf. int. 4848-4856; 4848-4854 w/10,234 gallons water and 10,000# sand. BDP 2700#, max. pr. 3600#, avg. tr. pr. 3000#. I.R. 19.9 BPM. Flush 8400 gallons.

Water frac. Pnt Lookout perf. int. 5382-5396; 5403-5416; 5430-5436; 5472-5478
 W/40,000# sand and 41,000 gallons water. BDP 2600#, max. pr. 2300#, avg. tr. pr.
 1800#. I.R. 46.9 BPM. Flush 11,130 galons. Dropped 1 set of 20 balls and 1 set
 of 10 balls - 3 stages.

Water frac. Graneros perf. int. 7352-7356; 7382-7390; 7406-7412 w/42,760 gallons Calcium Chloride water and 30,000# sand. BDP 2200#, max. pr. 3100#, avg. tr. pr. 2800#. I.R. 51.4 BPM. Flush 12,340 gallons. Spotted 200 gallons MCA on perforations. Dropped 2 sets of 15 balls each - 3 stages.

Water frac. Dakota perf. int. 7490-7502; 7526-7532; 7536-7542; 7566-7574 w/44,000 gallons 2% Calcium Chloride water and 40,000# sand. BDP 2400#, max. pr. 3450#, avg. tr. pr. 3100#. I.R. 39 BPM. Flush 17,000 gallons. Spotted 200 gallons MCA on perforations. Dropped 1 set of 18 balls and 1 set of 5 balls for 3 stages.