

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079391
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 San Juan 27-5 Unit Field Tapacito P.C. Ext. & Blanco M.V. State New Mexico
 Well No. 4 (PM) Sec. 2 T. 27-N R. 5-W Meridian N.M.P.M. County Rio Arriba
 Location 390 ft. N of S Line and 300 ft. E of W Line of Section 4 Elevation 5732
 (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.

Date December 1, 1961 Title Petroleum Engineer

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

Commenced drilling 10-12-----, 1961 Finished drilling 10-21-----, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5543 to 5214 (G) No. 4, from 5734 to 5937 (G)
 No. 2, from 5214 to 5387 (G) No. 5, from _____ to _____
 No. 3, from 5387 to 5704 (G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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"	32.3	8 rd	J-40	150	Howco				Surface
7"	20	8 rd	J-55	3743	Baker				Intermediate
4 1/2	10.5	8 rd	J-55	2262	Baker				Liner
2 3/8"	4.7	8 rd	J-55	5898	Baker				Prod tubing
1 1/4	2.4	8 rd	J-55	3619	Baker				Prod tubing

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	9 5/8	170	120	circulated		
	7	3755	140	single		
	4 1/2	3675-5937	215	single		

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
See Well History						

TOOLS USED

TOOLS USED

Rotary tools were used from -----0----- feet to ~~4259~~^{4259 Gas Drilled} feet, and from ~~4259~~^{4259 Gas Drilled} feet to 5937 feet.

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

DATES

~~10-26~~-----, 19 ~~61~~----- 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-3,133,000 Gallons gasoline per 1,000 cu. ft. of gas P-2,799,000

Rock pressure, lbs. per sq. in. **M-1040; P-1037** **A.O.P. M-3817; P-2052 MCF/D**

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	3046	3046	Tan to gry cr-grn ss interbedded w/gry sh.
3046	3332	286	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3332	3543	211	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3543	5214	1671	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
5214	5387	173	Cliff House ss. Gry, fine-grn, dense sil ss.
5387	5704	317	Menefee form. Gry, fine-grn s, carb, sh & coal.
5704	5937	233	Point Lookout form. Gry, very fine sil ss. w/frequent sh breaks.

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 "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.

HISTORY OF OIL OR GAS WELL

5734-40; 5770-84; Trac Point Lookout w/50,000 gal water, 60,000# sand. BDP 2500#; Flush 7980 gal, tr pr 1800#. I.R. 56.5 BFM. 3 drops of 24 balls.
5820-25; 5296-5302; 5320-24; Trac Cliff House w/40,000# sand, 40,000 gal water. Flush 7900 gal.
5360-64; 5382-86; max pr 2400#. I.R. 45.5 BFM. 3 drops of 16 balls.
3562-63; 3574-80; Trac Pictured Cliffs w/45,000 gal water, 45,000# sand. BDP 3500#; tr pr 1300#. I.R. 59 BFM.
3584-92;

THE APPLICATION OF EL PASO NATURAL GAS COMPANY FOR PERMISSION TO EFFECT DUAL COMPLETION OF ITS SAN JUAN 27-5 UNIT WELL NO. 64 LOCATED IN THE SW/4 SW/4 OF SECTION 9, TOWNSHIP 27 NORTH, RANGE 5 WEST, NMPM, RIO ARRIBA COUNTY, NEW MEXICO, IN SUCH A MANNER AS TO PERMIT THE PRODUCTION OF GAS FROM THE TAPACITO-PICTURED CLIFFS POOL AND THE PRODUCTION OF GAS FROM THE BLANCO-MESAVERDE POOL.

ORDER NO. MC-1134



ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A, El Paso Natural Gas Company, made application to the New Mexico Oil Conservation Commission on December 19, 1961, for permission to dually complete its San Juan 27-5 Unit Well No. 64 located in the SW/4 SW/4 of Section 9, Township 27 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to permit the production of gas from the Tapacito-Pictured Cliffs Pool and the production of gas from the Blanco-Mesaverde Pool.

Now, on this 21st day of February, 1962, the Secretary-Director finds:

- (1) That application has been duly filed under the provisions of Rule 112-A of the Commission's Rules and Regulations;
- (2) That satisfactory information has been provided that all operators of offset acreage have been duly notified; and
- (3) That no objections have been received within the waiting period as prescribed by said rule.
- (4) That the proposed dual completion will not cause waste nor impair correlative rights.
- (5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

IT IS THEREFORE ORDERED:

That the applicant herein, El Paso Natural Gas Company, be and the same is hereby authorized to dually complete its San Juan 27-5 Unit Well No. 64 located in the SW/4 SW/4 of Section 9, Township 27 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to permit the production of gas from the Tapacito-Pictured Cliffs Pool and the production of gas from the Blanco-Mesaverde Pool through parallel strings of tubing.

PROVIDED HOWEVER. That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER. That applicant shall take packer-leakage

tests upon completion and annually thereafter during the Annual Deliverability Test Period for the Blanco-Mesaverde Pool, or as directed by the Secretary-Director of the Commission.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, JR.,
Secretary-Director

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