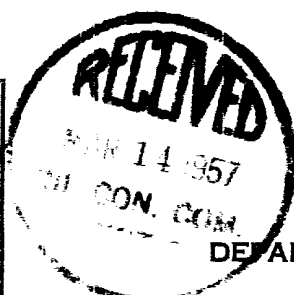


[illegible]

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 076840
LEASE OR PERMIT TO PROSPECT
14-08-001-459

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 997 - Farmington, New Mexico
 Lessor or Tract San Juan 28-7 Unit Field Blanco State New Mexico
 Well No. 78 Sec. 19 T. 27N R. 7W Meridian N.M.P.M. County Rio Arriba
 Location 800 ft. S. of N Line and 800 ft. E. of E Line of Section 19 Elevation 6640

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 EWELL N. WALSH _____

Date March 6, 1957 Title Petroleum Engineer

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

Commenced drilling 1-22, 1957 Finished drilling 2-5, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2900 to 3075 (G) No. 4, from 5250 to 5375 (G)

No. 2, from 4604 to 4682 (G) No. 5, from to

No. 3, from 4682 to 5250 (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—	
10-3/4"	32.75	8 E.	S.W.	164'	Howco				surface
7-5/8"	26.4	8 Rd.	J-55	3090'	Baker				Intermediates
5-1/2"	15.5	8 Rd.	J-55	5397'	Baker				Prod. oag.
2"	4.7	8 Rd.	J-55	5373'					Prod. tbg.

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	10-3/4"	178	150	circulated		
	5-5/8"	3100	250	single stage		
	5-1/2"	5407	300	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

Adapters—Material _____ **Size** _____

SHOOTING RECORD

[illegible]

TOOLS USED

Gas Drilled

Rotary tools were used from 0 feet to 3100 feet, and from 3100 feet to 5407 feet.

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

DATES

-----2-14-----, 19 57----- 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 1,637,000 Gallons gasoline per 1,000 cu. ft. of gas 1.637

Rock pressure, lbs. per sq. in. 1071

EMPLOYEES

_____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1945	1945	Tan to gry cr-grn ss interbedded w/gry sh.
1945	2270	325	Ojo Alamos ss. White cr-grn s.
2270	2725	455	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2725	2980	255	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2980	3075	95	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3075	4604	1529	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4604	4638	34	Cliff House ss. Gry, fine-grn, dense sil ss.
4638	5250	562	Manefee form. Gry, fine-grn s, carb sh & coal.
5250	5375	125	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5375	5407	32	Mancos formation. Gry carb sh.

FORMATION RECORD—Continued[illegible]

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.

2-9-57 G.O.T.D. 5380'. Water fractured Point Lookout perf. Int. 5210-20; 5240-50; 5270-90; 5330-50; 5358-66. w/44,500 gal. water, 40,000# sand. Flush w/7000 gal. water. IR - 70.5 BPM, BD - none, Tr. Pr. 1800, Max. Pr. 1950.

2-9-57 B.L. at 5190. Water frac Mensee perf. int. 4978-88; 5018-32; 5050-70; 5102-22. w/58,700 gal. water, 58,500# sand, flush w/6000 gal. water. IR - 40.0 BFM, B. D. - 3000, Tr. Fr. 2400, Max 2300

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NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
(Revised 7/1/52)

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
14-08-001-459

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, New Mexico
(Place)

March 8, 1957
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

El Paso Natural Gas Co. San Juan 28-7 Unit, Well No. 78, in NE 1/4 NE 1/4,
(Company or Operator) (Lease)

A, Sec. 19, T. 27N, R. 7W, NMPM, Blanco Pool
Unit Letter

Rio Arriba County. Date Spudded 1-22-57, Date Completed 2-14-57

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

Elevation 6638 Total Depth 5407, max. C.O. 5380

Top oil/gas pay 4978 (Perf.) Name of Prod. Form M.V.

Casing Perforations: 4978-4988; 5018-5032; 5050-5070; 5102-5112; or
5210-5220; 5240-5250; 5270-5290; 5330-5350; 5358-5366
Depth to Casing shoe of Prod. String 5407'

Natural Prod. Test BOPD

based on bbls. Oil in Hrs. Mins.

Test after acid or shot BOPD

Based on bbls. Oil in Hrs. Mins.

Gas Well Potential A.O.F. = 1863 MCF/D; Ch. Volume = 1637 MCF/D

Size choke in inches 3/4"

Date first oil run to tanks or gas to Transmission system: w/o Pipeline

Transporter taking Oil or Gas: El Paso Natural Gas Company

Casing and Cementing Record

Size Feet Sax

10-3/4"	164'	150
7-5/8"	3090'	250
5-1/2"	5397'	300
6"	5373'	---

Remarks:

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved MAR 13 1957, 19.

El Paso Natural Gas Company
(Company or Operator)

By: (Signature)

Title: Petroleum Engineer

Send Communications regarding well to:

Name: E. J. Coal

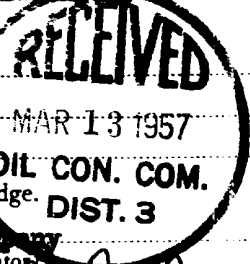
Address: Box 997 - Farmington, New Mexico

OIL CONSERVATION COMMISSION

Original Signed By
A. R. KENDRICK

By:

Title: PETROLEUM ENGINEER DIST. NO. 3



NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

14-08-001-459

Company or Operator El Paso Natural Gas Company Lease San Juan 28-7 Unit

Well No. 78 Unit Letter A S 19 T 27N R 7W Pool Blanco

County Rio Arriba Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate El Paso Natural Gas Products Company

Address _____
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Company

Address Box 997 - Farmington, New Mexico
(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well (x)

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership () Other ()

Remarks: _____
(Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 8 day of March 19 57

Approved 3-14 19 57

OIL CONSERVATION COMMISSION

By Ernest C. Arnold

Title Oil and Gas Inspector Dist. #3.

By [Signature]

Title Petroleum Engineer

Company El Paso Natural Gas Co.

Address Box 997

Farmington, New Mexico

