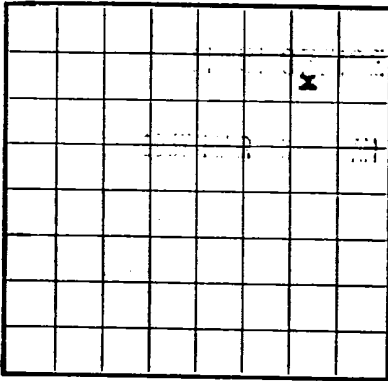
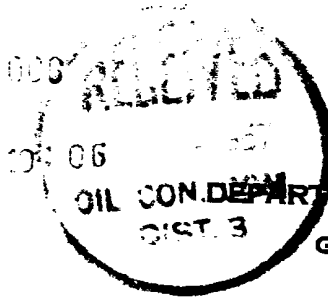




LOCATE WELL CORRECTLY


 U. S. LAND OFFICE Santa Fe
 SERIAL NUMBER 078840
 LEASE OR PERMIT TO PROSPECT 14-08-001-459

 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 San Juan 28-7 Unit Field Alamogordo 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. W. of E. Line of Section 19 Elevation 6648
 (Denote flow 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 EWELL N. WALSHDate March 8, 1957Title 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 2980 to 3075 (G) No. 4, from 5250 to 5375 (G)No. 2, from 4604 to 4688 (G) No. 5, from _____ to _____No. 3, from 4688 to 5250 (G) No. 6, from _____ to _____

No. 7, from _____ to _____

No. 8, from _____ to _____

No. 9, from _____ to _____

No. 10, from _____ to _____

No. 11, from _____ to _____

No. 12, from _____ to _____

No. 13, from _____ to _____

No. 14, from _____ to _____

No. 15, from _____ to _____

No. 16, from _____ to _____

No. 17, from _____ to _____

No. 18, from _____ to _____

No. 19, from _____ to _____

No. 20, from _____ to _____

No. 21, from _____ to _____

No. 22, from _____ to _____

No. 23, from _____ to _____

No. 24, from _____ to _____

No. 25, from _____ to _____

No. 26, from _____ to _____

No. 27, from _____ to _____

No. 28, from _____ to _____

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	178	150	circulated		
7-5/8"	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

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

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

DATES

_____ 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 _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, 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 Alamosas. 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
2980	3075	95	coals and gry, tight, fine-grn ss.
3075	4604	1529	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
4604	4688	84	Lewis formation. Gry to white dense sh
4688	5250	562	w/silty to shaly ss breaks.
5250	5375	125	Cliff House ss. Gry, fine-grn, dense sil ss.
5375	5407	32	Manitou form. Gry, fine-grn s, carb sh & coal
			Point Lookout form. Gry, very fine sil ss
			w/frequent sh breaks.
			Manitou formation. Gry carb sh.

FORMATION RECORD—Continued

WATER

DATE	NAME OF WELL	LOCATION	DEPTH	DIAMETER	TYPE OF WELL	AMOUNT OF PRODUCTION
1900	1900	1900	1900	1900	1900	1900

MIDDING AND CEMENTING RECORD

HISTORY OF OIL OR GAS WELL

16-45004-2 U. S. GOVERNMENT PRINTING OFFICE

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 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 8.0 T.D. 5380' Water fractured, Point Lockhart, Int. 4978-88; 5018-32; 5210-20; 5240-50; 5270-90; 5330-50; 5358-66. w/44,500 gal. water. 40,000' sand. Flush w/7000 gal. cement. IR - 70.5 RPM, MD - none, Tr. 1800, Max. Pr. 1950.

2-9-57 8.0 T.D. 5380' Water fractured, Point Lockhart, Int. 4978-88; 5018-32; 5210-20; 5240-50; 5270-90; 5330-50; 5358-66. w/44,500 gal. water. IR - 40.0 RPM, A. D. - 3000, Tr. 2400, Max 2800

10' 3" from (C) 10' 2" from (C) 10' 1" from (C) 10' 0" from (C) 9' 9" from (C) 9' 8" from (C) 9' 7" from (C) 9' 6" from (C) 9' 5" from (C) 9' 4" from (C) 9' 3" from (C) 9' 2" from (C) 9' 1" from (C) 9' 0" from (C) 8' 9" from (C) 8' 8" from (C) 8' 7" from (C) 8' 6" from (C) 8' 5" from (C) 8' 4" from (C) 8' 3" from (C) 8' 2" from (C) 8' 1" from (C) 8' 0" from (C) 7' 9" from (C) 7' 8" from (C) 7' 7" from (C) 7' 6" from (C) 7' 5" from (C) 7' 4" from (C) 7' 3" from (C) 7' 2" from (C) 7' 1" from (C) 7' 0" from (C) 6' 9" from (C) 6' 8" from (C) 6' 7" from (C) 6' 6" from (C) 6' 5" from (C) 6' 4" from (C) 6' 3" from (C) 6' 2" from (C) 6' 1" from (C) 6' 0" from (C) 5' 9" from (C) 5' 8" from (C) 5' 7" from (C) 5' 6" from (C) 5' 5" from (C) 5' 4" from (C) 5' 3" from (C) 5' 2" from (C) 5' 1" from (C) 5' 0" from (C) 4' 9" from (C) 4' 8" from (C) 4' 7" from (C) 4' 6" from (C) 4' 5" from (C) 4' 4" from (C) 4' 3" from (C) 4' 2" from (C) 4' 1" from (C) 4' 0" from (C) 3' 9" from (C) 3' 8" from (C) 3' 7" from (C) 3' 6" from (C) 3' 5" from (C) 3' 4" from (C) 3' 3" from (C) 3' 2" from (C) 3' 1" from (C) 3' 0" from (C) 2' 9" from (C) 2' 8" from (C) 2' 7" from (C) 2' 6" from (C) 2' 5" from (C) 2' 4" from (C) 2' 3" from (C) 2' 2" from (C) 2' 1" from (C) 2' 0" from (C) 1' 9" from (C) 1' 8" from (C) 1' 7" from (C) 1' 6" from (C) 1' 5" from (C) 1' 4" from (C) 1' 3" from (C) 1' 2" from (C) 1' 1" from (C) 1' 0" from (C) 0' 9" from (C) 0' 8" from (C) 0' 7" from (C) 0' 6" from (C) 0' 5" from (C) 0' 4" from (C) 0' 3" from (C) 0' 2" from (C) 0' 1" from (C) 0' 0" from (C)

OIL OR GAS ANALYSIS OF ZONES

Commenced drilling 1-35 1951 Finished drilling 1-35 1951

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

Date 1-35 1951

so far as can be determined from all available records.

The information given hereafter is a complete and correct record of the well and all work done thereon.

Location 1-35 1951

Well No. 1

Process of Drilling

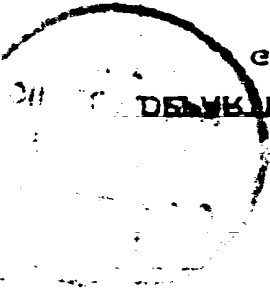
Company

LOCAL WELL CORRECTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Form 9-520

LOG OF OIL OR GAS WELL



GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

DATE OF REPORT TO BUREAU

REPORT NUMBER

U. S. FIELD OFFICE

REPORT OF THE FIELD OFFICE

MAIN OFFICE OCC

OIL CONSERVATION COMMISSION

1957 SEP 25 AM 8:00

BOX 697

120 EAST CHACO

AZTEC, NEW MEXICO

P.A.

NOTICE OF GAS CONNECTION

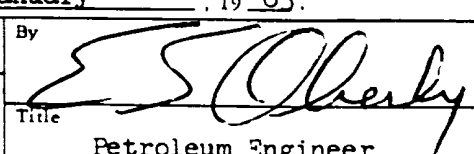
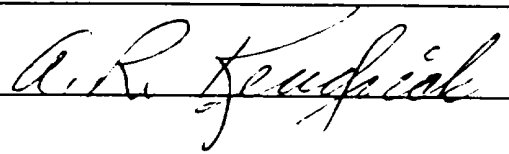
DATE August 12, 1957

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM

THE El Paso Natural Gas Company
OPERATORSan Juan 28-7 #78
LEASE"A"
WELL UNIT19-27-7
S-T-RBlanco Mesa Verde
POOLEl Paso Natural Gas Company
NAME OF PURCHASERWAS MADE ON August 8, 1957
DATE, FIRST DELIVERY August 8, 1957
DATEAOF 1,863; Choke 1,637 MCF/D
INITIAL POTENTIAL

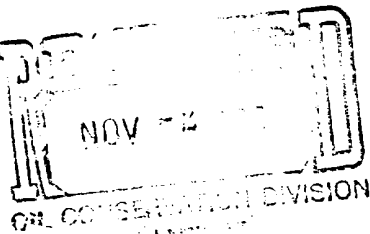
9/24/57

El Paso Natural Gas Company
PURCHASER[Signature]
REPRESENTATIVEChief Dispatcher
TITLECC: TO OPERATOR
OIL CONSERVATION COMMISSION - SANTA FE
F. N. WOODRUFF - EL PASO
B. D. ADAMS
Delhi-Taylor
FILE

NUMBER OF COPIES RECEIVED DISTRIBUTION		NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS		FORM C-110 (Rev. 7-60)
FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE				
Company or Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit		Well No. 78
Unit Letter A	Section 19	Township 27-N	Range 7-W	County Rio Arriba
Pool Blanco Mesa Verde			Kind of Lease (State, Fed, Fee) Federal	
If well produces oil or condensate give location of tanks		Unit Letter Same	Section	Township
Authorized transporter of oil ☐ or condensate ☒		Address (give address to which approved copy of this form is to be sent)		
El Paso Natural Gas Company		Box 990, Farmington, New Mexico		
Is Gas Actually Connected? Yes ☒ No ☐				
Authorized transporter of casing head gas ☐ or dry gas ☒		Date Connected 8-8-57	Address (give address to which approved copy of this form is to be sent)	
El Paso Natural Gas Company		Box 990, Farmington, New Mexico		
If gas is not being sold, give reasons and also explain its present disposition:				
REASON(S) FOR FILING (please check proper box) New Well ☐ Change in Transporter (check one) Oil ☐ Dry Gas ☐ Casing head gas . ☐ Condensate.. ☒ Change in Ownership ☐ Other (explain below)				
Remarks				
The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.				
Executed this the <u>1st</u> day of <u>January</u> , 19 <u>63</u> .				
OIL CONSERVATION COMMISSION		By 		
Approved by 		Title Petroleum Engineer		
Title PETROLEUM ENGINEER DIST. NO. 2		Company El Paso Natural Gas Company		
Date APR 1 1963		Address Box 990, Farmington, New Mexico		

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	



OIL CONSERVATION DIVISION

P.O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-10
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator Tenneco Oil Company -	
Address P.O. Box 3249, Englewood, CO 80155	
Reason(s) for filing (Check proper box)	Other (Please explain)
☐ New Well ☐ Recompletion ☒ Change in Ownership	☐ Change in Transporter of: ☐ Oil ☐ Casinghead Gas ☐ Dry Gas ☒ Condensate

If change of ownership give name and address of previous owner **El Paso Natural Gas Company, P.O. Box 4990, Farmington, NM 87499**

II. DESCRIPTION OF WELL AND LEASE

Lease Name SJ 28-7 Unit	Well No. 78	Pool Name, including Formation Blanco-MV	Kind of Lease State, Federal or Fee USA SF	Lease No. 078840
Location				
Unit Letter A : 800 Feet From The North Line and 800 Feet From The East				
Line of Section 19 Township 27N Range 7W NMPM. Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
Conoco Inc. Surface Transportation	P.O. Box 460, Hobbs, NM 88240
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P.O. Box 4990, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Is gas actually connected?
A	Yes

If this production is commingled with that from any other lease or pool, give commingling order number

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Scott McElmery
(Signature)
Sr. Regulatory Analyst
(Title)
OCT 1 1985
(Date)

OIL CONSERVATION DIVISION
APPROVED *Frank J. Gandy*, 19____
BY
TITLE

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Section I, II, III, and VI for changes of owner, well name and or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator Amoco Production Company		Well API No. 3003907017
Address 1670 Broadway, P. O. Box 800, Denver, Colorado 80201		
Reason(s) for Filing (Check proper box) ☐ Other (Please explain)		
New Well ☐	Change in Transporter of:	
Recompletion ☐	Oil ☐	Dry Gas ☐
Change in Operator ☒	Casinghead Gas ☐	Condensate ☐
If change of operator give name and address of previous operator Tenneco Oil E & P, 6162 S. Willow, Englewood, Colorado 80155		

RECEIVED

JUN 13 1989

**OIL CONSERVATION DIV.
SANTA FE**

II. DESCRIPTION OF WELL AND LEASE

Lease Name SAN JUAN 28-7 UNIT	Well No. 78	Pool Name, Including Formation BLANCO (MESAVERDE)	FEDERAL	Lease No. SF078390
Location				
Unit Letter A	800	Feet From The FNL	Line and 800	Feet From The FEL
Section 19	Township 27N	Range 7W	NMPM	RIO ARRIBA
County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent) P. O. BOX 1429, BLOOMFIELD, NM 87413
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent) P. O. BOX 1492, EL PASO, TX 79978
If well produces oil or liquids, give location of tanks.	Unit Soc. Twrp. Rge. Is gas actually connected? When?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Mif Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MACF	Gravity of Condensate
Testing Method (piston, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

J. L. Hampton
Signature
J. L. Hampton Sr. Staff Admin. Suprv.
Printed Name
January 16, 1989 **303-830-5025**
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved **MAY 08 1989**
By *[Signature]*
Title **SUPERVISION DISTRICT # 3**

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.