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NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

I.

Operator <b>El Paso Natural Gas Company</b>	
Address <b>Box 990, Farmington, New Mexico</b>	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input checked="" type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
<b>See Back for Details</b>	

If change of ownership give name  
and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Howell L</b>	Well No. <b>3</b>	Pool Name, Including Formation <b>Blanco Mesa Verde</b>	Kind of Lease State, Federal or Fee <b>SF</b>	Lease No. <b>078385-A</b>
Location				
Unit Letter <b>M</b>	<b>990</b>	Feet From The <b>South</b> Line and <b>990</b>	Feet From The <b>West</b>	
Line of Section <b>35</b>	Township <b>30N</b>	Range <b>8W</b>	NMPM, <b>San Juan</b>	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
<b>El Paso Natural Gas Company</b>	<b>Box 990, Farmington, New Mexico</b>	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
<b>El Paso Natural Gas Company</b>	<b>Box 990, Farmington, New Mexico</b>	
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. <b>M 35 30N 8W</b>	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.	Diff. Res'v.
		<b>X</b>		<b>X</b>			<b>X</b>	
Date Spudded <b>W/O 9-6-67</b>	Date Compl. Ready to Prod. <b>9-28-67</b>	Total Depth <b>5230'</b>	P.B.T.D. <b>5204'</b>					
Elevations (DF, RKB, RT, GR, etc.) <b>6049' GL</b>	Name of Producing Formation <b>Mesa Verde</b>	Top Oil/Gas Pay <b>4473</b>	Tubing Depth <b>5137'</b>					
Perforations <b>4473-77, 4558-62, 4586-94, 4606-14, 4654-62, 5056-70, 5082-86, 5098-5104, 5132-40, 5151-55</b>			Depth Casing Shoe <b>5230'</b>					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
<b>12 1/4"</b>	<b>9 5/8"</b>	<b>290'</b>	<b>150 Sks.</b>					
<b>8 3/4"</b>	<b>7"</b>	<b>4195'</b>	<b>300 Sks.</b>					
<b>6 1/4"</b>	<b>4 1/2"</b>	<b>5230'</b>	<b>120 Sks.</b>					
	<b>2 3/8"</b>	<b>5137'</b>	<b>Tubing</b>					

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 Tanks	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 <b>14,668</b>	Length of Test <b>3 Hours</b>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) <b>Calculated A.O.F.</b>	Tubing Pressure (shut-in) <b>870</b>	Casing Pressure (shut-in) <b>870</b>	Choke Size <b>3/4"</b>

VI. CERTIFICATE OF COMPLIANCE

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

Original Signed By:  
**L. O. Van Ryan**

(Signature)

**Petroleum Engineer**

(Title)

**October 6, 1967**

(Date)

OIL CONSERVATION COMMISSION

**OCT 10 1967**

APPROVED \_\_\_\_\_

Original Signed by **Emery C. Arnold**

BY \_\_\_\_\_  
TITLE **SUPERVISOR DIST. #3**

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 Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

#### WORKOVER

- 9-6-67 Rigged up Dwinell Bros. rig #1, cut stuck tubing off at 4300', pulled 141 joints tubing and cut off.
- 9-7-67 Set cement retainer at 4063', tested 7" casing w/1000# O. K. Squeezed open hole w/225 sacks of cement. Perforated 2 holes at 1900', set cement retainer at 1821' and squeezed through perms w/125 sacks of cement. W.O.C. 12 hours, tested w/1000# O. K.
- 9-8-67 Set cement retainer at 4068', tested casing to 1000# O. K. Re-squeezed open hole w/150 sacks of cement. W.O.C. 12 hours.
- 9-9-67 Drilling sidetrack hole from 4207' w/gas. 1 1/4° at 4207', 6 3/4° at 4225'.
- 9-10-67 Drilling, 6° at 4259', 6 1/2° at 4339'.
- 9-11-67 Reached total depth of 5230'. 4° at 4713', 3° at 5230'.
- 9-12-67 Ran 163 joints 4 1/2", 10.5#, J-55 casing (5220') set at 5230' w/120 sacks of cement.
- 9-13-67 P.B.T.D. 5204', tested casing to 4000# O. K. Spotted 300 gal. 7 1/2% regular acid. Perf. 5056-70', 5082-86', 5098-5104', 5132-40', 5151-55' w/16 SPZ. Frac w/48,000# 20/40 sand, 36,750 gal. water. Max. pr. 4000#, BDP 1400#, tr. pr. 1600-1800-2000#. I.R. 58.3 BPM. Dropped 4 sets of 16 balls each, flushed w/2460 gal. water. ISIP -0-. Set bridge plug at 4790', tested w/3000# O. K. Perf. 4473-77', 4558-62', 4586-94', 4606-14', 4654-62' w/16 SPZ. Frac w/42,000# 40/60 sand, 34,650 gal. water. Max. pr. 4000#, tr. pr. 1700-2700-3800#. I.R. 45.8 BPM. Dropped 4 sets of 16 balls each, flushed w/74 barrels of water. ISIP -0-.
- 9-14-67 Drilled out bridge plug, blowing well.
- 9-15-67 Ran 168 joints 2 3/8", 4.7#, J-55 tubing, 5127' landed at 5137' w/pin collar and sub on bottom.
- 9-28-67 Date well was tested.