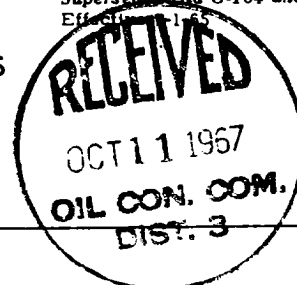


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NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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



I. Operator  
**El Paso Natural Gas Company**

Address  
**Box 990, Farmington, New Mexico - 87401**

Reason(s) for filing (Check proper box) Other (Please explain)  
New Well ☐ Change in Transporter of: ☐ See Back for Details  
Recompletion ☒ Oil ☐ Dry Gas ☐  
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Howell C</b>	Well No. <b>2 (OWN)</b>	Pool Name, Including Formation <b>Blanco Mesa Verde</b>	Kind of Lease State, Fed <input checked="" type="checkbox"/> or Fee	Lease No. <b>SF 078596</b>
Location Unit Letter <b>B</b> ; <b>990</b> Feet From The <b>North</b> Line and <b>1650</b> Feet From The <b>East</b> Line of Section <b>3</b> Township <b>29N</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"/> <b>El Paso Natural Gas Company</b>	Address (Give address to which approved copy of this form is to be sent) <b>Box 990, Farmington, New Mexico</b>	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <b>El Paso Natural Gas Company</b>	Address (Give address to which approved copy of this form is to be sent) <b>Box 990, Farmington, New Mexico</b>	
If well produces oil or liquids, give location of tanks.	Unit <b>B</b>	Sec. <b>3</b>
	Twp. <b>29N</b>	Rge. <b>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 Resrv.	Diff. Resrv.
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Date Spudded <b>W/O 9-15-67</b>	Date Compl. Ready to Prod. <b>10-5-67</b>		Total Depth <b>5260'</b>		P.B.T.D. <b>5225'</b>			
Elevations (DF, RKB, RT, GR, etc.) <b>6131' GL</b>	Name of Producing Formation <b>Mesa Verde</b>		Top <del>38</del> /Gas Pay <b>4610'</b>		Tubing Depth <b>5182'</b>			
Perforations <b>4610-18, 4628-38, 4650-54, 4676-88.</b> <b>5084-96, 5112-26, 5142-46, 5156-60, 5174-84, 5194-98, 5210-18</b>					Depth Casing Shoe <b>5260'</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>306'</b>		<b>150 Sks.</b>			
<b>8 3/4"</b>	<b>7"</b>		<b>4485'</b>		<b>300 Sks.</b>			
<b>6 1/4"</b>	<b>4 1/2"</b>		<b>5260'</b>		<b>110 Sks.</b>			
	<b>2 3/8"</b>		<b>5182'</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>13,772</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>816</b>	Casing Pressure (shut-in) <b>859</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  
**Carl E. Matthews**

(Signature)

**Petroleum Engineer**

(Title)

**October 10, 1967**

(Date)

OIL CONSERVATION COMMISSION

OCT 11 1967

APPROVED \_\_\_\_\_, 19 \_\_\_\_\_

By **Original Signed by Emery C. Arnold**

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

9-15-67 Rigged up Dwinell Bros. rig #1.  
 Pulled tubing, cleaned out to 4750', set cement retainer at 4371', pressured up on 7" casing to 1000#, bled to -0- in 2 min. Because of junk in open hole from original completion, squeezed open hole w/250 sacks of cement.  
 Isolated casing leaks (1595 - 1598') pressured to 1000#, bled to -0- in 2 min, could not pump in. Perf. squeeze holes at 1600', set cement retainer at 1538', squeezed w/125 sacks of cement. Drilled out retainer and cement. Tested perfs and leak to 800# O.K.  
 9-17-67 Drilling out cement and retainer to 4495'.  
 9-18-67 Drilling sidetrack hole w/gas from 4495'. 1 1/4" at 4495', 4 1/2" at 4510' w/hole opener, 3" at 4526', 3 1/2" at 4587'.  
 9-19-67 Drilling, 3" at 4658', 3" at 4720', 2" at 5236'.  
 9-20-67 Reached total depth of 5260'. Ran 172 joints 4 1/2", 10.5#, J-55 casing (5250') set at 5260' w/110 sacks of cement.  
 9-21-67 P.B.T.D. 5225', tested casing to 4000# O.K. Perf. 5084-96', 5112-26', 5142-46', 5156-60', 5174-84, 5194-98', 5210-18' w/16 SPZ. Frac w/67,032 gal. water, 66,000# 20/40 sand. Max. pr. 4000#, BDP 4000#, tr. pr. 1500-1800-2200#. I.R. 75 BPM. Dropped 6 sets of 16 balls each, flushed. ISIP vacuum. Set bridge plug at 4800', tested w/3200# O.K. Perf. 4610-18', 4628-38', 4650-54', 4676-88' w/16 SPZ. Frac w/32,000 gal. water, 32,000# 20/40 sand, max. pr. 3200#. BDP 3000#, tr. pr. 1800-1900-2000#. I.R. 74 BPM. Dropped 3 sets of 16 balls and 1 set of 32 balls, flushed. ISIP 500#. Blew well, ran 166 joints 2 3/8", 4.7#, J-55 tubing (5172') landed at 5182', pin collar and nipple on bottom. Date well was tested.

10-5-67