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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

Operator <b>El Paso Natural Gas Company</b>		
Address <b>Box 990, Farmington, New Mexico 87401</b>		
Reason(s) for filing (Check proper box)		Other (Please explain)
New Well <input type="checkbox"/>	Change in Transporter of:	<b>See Back for Details</b>
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"/>	

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Sunray</b>	Well No. <b>1</b>	Pool Name, Including Formation <b>Blanco Mesa Verde</b>	Kind of Lease State, Federal or Fee <input checked="" type="checkbox"/> Fee	Lease No. <b>SF 078487-C</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>5</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"/>	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 87401</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 87401</b>	
If well produces oil or liquids, give location of tanks.	Unit <b>M</b>	Sec. <b>5</b>
	Twp. <b>29N</b>	Rge. <b>8W</b>
	Is gas actually connected? <input type="checkbox"/> 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 <input checked="" type="checkbox"/>	New Well	Workover <input checked="" type="checkbox"/>	Deepen	Plug Back	Same Res'tv. <input checked="" type="checkbox"/>	Diff. Res'tv.
Date Spudded <b>W/O 6-15-70</b>	Date Compl. Ready to Prod. <b>7-24-70</b>		Total Depth <b>5604'</b>		P.B.T.D. <b>5589'</b>			
Elevations (DF, RKB, RT, GR, etc.) <b>6372' GL</b>	Name of Producing Formation <b>Mesa Verde</b>		Top <del>XX</del> Gas Pay <b>4664'</b>		Tubing Depth <b>5494'</b>			
Perforations <b>4664-76, 4782-88, 4808-20'</b>					Depth Casing Shoe <b>5604'</b>			
<b>5252-58, 5276-88, 5306-12, 5324-30, 5346-52, 5362-68, 5508-14'</b>								
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<b>13 3/4"</b>	<b>9 5/8"</b>		<b>173'</b>		<b>150 Sks.</b>			
<b>8 3/4"</b>	<b>7"</b>		<b>4600'</b>		<b>300 Sks.</b>			
<b>6 1/4"</b>	<b>4 1/2"</b>		<b>5604'</b>		<b>125 Sks.</b>			
	<b>2 3/8"</b>		<b>5494'</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>10,174 MCF/D</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>823</b>	Casing Pressure (shut-in) <b>823</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 **F. H. WOOD**

(Signature)

**Petroleum Engineer**

(Title)

**August 4, 1970**

(Date)

OIL CONSERVATION COMMISSION

APPROVED **AUG 6 1970**

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

- 6-15-70 Rigged up Aztec Well Service rig #50. Cut stuck tubing off at 4690'. Pulled tubing and set cement retainer at 4512'. Squeezed open hole w/150 sacks of cement.
- 6-16-70 Located hole in 7" csg. between 1684' and 1714', perforated 2 squeeze holes at 2309'. Set cement retainer at 2249', squeezed thru perfs w/125 sacks of cement.
- 6-17-70 Located hole in 7" between 1553' and 1595', set cement retainer at 1462', squeezed leak w/125 sacks of cement.
- 6-18-70 Drilled out cement and retainers at 1462' and 2249'.
- 6-19-70 After drilling retainer at 2249', pumped into well at 800 psi. Set cement retainer at 2220', re-squeezed Perfs at 2309' w/250 sacks of cement (2 stages).
- 6-20-70 Drilled out cement and retainers at 2220' and 4512'.
- 6-21-70 Drilling sidetrack hole from 4610' w/gas. 1/2° at 4600', 5 1/4° at 4629'.
- 6-22-70 Drilling. 5 1/2° at 4662', 4 1/2° at 4786', 3° at 5290'.
- 6-23-70 Reached total depth of 5604'. Logged well and ran 173 joints 4 1/2", 10.5#, K casing (5594') set at 5604' w/125 sacks of cement.
- 6-24-70 P.B.T.D. 5589'. Perf. 5252-58', 5276-88', 5306-12', 5324-30', 5346-52', 5362-68', 5508-14' w/18 SPZ. Frac w/80,070 gal. water, 80,000# 20/40 sand, dropped 6 sets of 18 balls, flushed w/3700 gal. water. Displaced bridging ball to baffle at 5064' and tested to 3000 psi O. K. Perf. 4664-76', 4782-88', 4808-20' w/24 SPZ. Frac w/25,850 gal. water, 27,500# 20/40 sand, dropped 1 set of 24 balls, no flush.
- 6-25-70 Blowing well and cleaning out sand.
- 6-26-70 Blowing well and cleaning out sand.
- 6-27-70 Ran 183 joints 2 3/8", 4.7#, J-55 tubing (5486') landed at 5494' w/expendable check valve on bottom and common pump seating nipple 1 joint above. Gauge 4702 MCF/D.
- 7-24-70 Date well was tested.