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TRANSPORTER	OIL 1 GAS
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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	
Reason(s) for filing (Check proper box)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input 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"/>
Other (Please explain) See Back for Details	

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Sunray E	Well No. 1	Pool Name, Including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee SF	Lease No. 077730
Location				
Unit Letter A	990	Feet From The North Line and 990	Feet From The East	
Line of Section 9	Township 30N	Range 10W	NMPM, San Juan	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) Box 990, Farmington, New Mexico			
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) Box 990, Farmington, New Mexico			
If well produces oil or liquids, give location of tanks.	Unit A	Sec. 9	Twp. 30N	Rge. 10W
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.
		X		X			X	
Date Spudded W/O 10-11-67	Date Compl. Ready to Prod. 11-1-67		Total Depth 5833'		P.B.T.D. 5815'			
Elevations (DF, RKB, RT, GR, etc.) 6497' GL	Name of Producing Formation Mesa Verde		Top XX /Gas Pay 4780'		Tubing Depth 5723'			
Perforations 4780-86, 4891-97, 4960-72, 5438-56, 5470-76, 5490-5508, 5522-28', 5656-72, 5724-40'					Depth Casing Shoe 5833'			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
15"	10 3/4"		240'		175			
No record	7"		4710'		375			
6 1/4"	4 1/2"		5833'		130			
	2 3/8"		5723'		Tubing			

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 4785	Length of Test 3 Hours	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) Calculated A.O.F.	Tubing Pressure (shut-in) 521	Casing Pressure (shut-in) 810	Choke Size 3/4"

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

Petroleum Engineer

November 6, 1967

OIL CONSERVATION COMMISSION

NOV 8 1967

APPROVED _____

Original Signed by **Emery C. Arnold**

BY **SUPERVISOR DIST. #3**

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 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.

HOWCO-DM

- 10-11-67 Rigged up Dwinell Bros rig #1. Cut stuck tubing at 4820', pulled tubing, left 743' of 2 3/8" tubing in open hole.
- 10-12-67 Set cement retainer at 4600', tested to 2000#, loaded 7" casing, pumped in at 6 BPM @ 800#. Squeezed open hole w/200 sacks cement. Found hole in 7" casing between 4388' and 4420'. Set HOWCO DM retainer at 4357', squeezed hole w/125 sacks of cement. erf. 2 squeeze holes at 1915', set RTTS @ 1842', squeezed through perfs w/125 sacks cement.'
- 10-13-67 Drilled out cement and pressured up on perfs to 800#, bled to -0- in less than 5 minutes. Set HOWCO DM @ 1837', re-squeezed perfs w/125 sacks cement. Perf. 2 squeeze holes at 341', found casing leak at 339', cemented through Bradenhead w/100 sacks cement. W.O.C. 8 hours, tested, pumped in at 300#, recemented w/100 sacks cement.
- 10-14-67 Drilled out cement and retainers.
- 10-15-67 Cleaned out to 4720', drilling sidetrack hole from 4720' w/gas. 1° at 4720', 4 1/4° @ 4737'.
- 10-16-67 Drilling, 5° at 4768', 4 3/4° at 4819', 4° at 4890', 3° at 5100'.
- 10-17-67 Reached total depth of 5833', 1 1/2° at 5586', 1 1/2° at 5833'.
- 10-18-67 T. D. 5833'; ran 181 joints 4 1/2", 10.5#, J-55 casing (5823') set at 5833' w/130 sacks cement, W.O.C. 18 hours.
- 10-19-67 P.B.T.D. 5815', tested casing to 4000# O. K. Perf. 5656-72', 4724-40' w/16 SPZ. Frac w/30,000# 20/40 sand, 30,000 gal. water. Max. pr. 4000#, BDP 4000#, tr. pr. 2000-2200-2800#. I.R. 60 BPM. Dropped 1 set of 16 balls, flushed w/4790 gal. water. ISIP vacuum. Set BP @ 5554', tested w/3200# O. K. Perf. 5436-56', 5470-76', 5490-5508', 5522-28' w/18 SPZ. Frac w/50,000# 20/40 sand, 45,020 gal. water. Max. pr. 4000#, BDP 500#, tr. pr. 1700-2040-2400#. I.R. 61 BPM. Dropped 3 sets of 18 balls each, flushed w/3900 gal. water. ISIP vacuum. Set BP @ 5000', tested w/4000# O. K. Perf. 4780-86', 4891-97', 4940-46', 4960-72' w/18 SPZ. Frac w/50,000# 40/60 sand, 42,780 gal. water. Max. pr. 4000#, BDP 1900# (Over)
- Tr. pr. 2300-2400-3000#. I.R. 54 BPM. Dropped 3 sets of 18 balls each, flushed w/3370 gal. water. ISIP 700#, 15 Min. -0-.
- 10-20-67 Blowing well, drilled bridge plugs.
- 10-21-67 Ran 185 joints 2 3/8", 4.7#, J-55 tubing (5713') landed at 5723'. Pin collar and nipple on bottom.
- 11-1-67 Date well was tested.