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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 P. O. Box 990, Farmington, New Mexico	
Reason(s) for filing (Check proper box)	
New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/>
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"/>
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 Howell A	Well No. 3	Pool Name, Including Formation Blanco Mesa Verde	Kind of Lease State, <u>Federal</u> or Fee	Lease No. SF 078580
Location				
Unit Letter M	890	Feet From The South	Line and 890	Feet From The West
Line of Section 4	Township 30-N	Range 8-W	, 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 checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. 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) P. O. Box 990, Farmington, New Mexico			
If well produces oil or liquids, give location of tanks.	Unit M	Sec. 4	Twp. 30-N	Rge. 8-W
Is gas actually connected?		When		

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

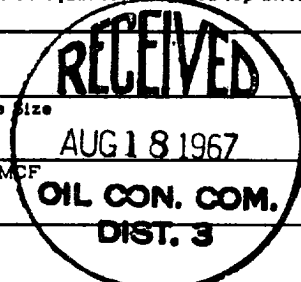
IV. COMPLETION DATA

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 6-16-67	Date Compl. Ready to Prod. W/O 7-20-67		Total Depth 5417		P.B.T.D. 5390			
Elevations (DF, RKB, RT, GR, etc.) 6237' GL	Name of Producing Formation Mesa Verde		Top Oil/Gas Pay 4882		Tubing Depth 5315'			
Perforations 4882-94', 4904-16', 4928-34', 5268-74', 5308-14', 5356-74					Depth Casing Shoe 5417'			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4"	9 5/8"		307'		150			
8 3/4"	6 5/8"		4763'		175			
6 1/4"	4 1/2"		5417'		75			
4 1/2"	2 3/8"		5315'		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 11,005 MCF/D	Length of Test 3 hrs.	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) Calculated A.O.F.	Tubing Pressure (shut-in) 786	Casing Pressure (shut-in) 786	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 **F. H. WOOD**

(Signature)

Petroleum Engineer

(Title)

August 15, 1967

(Date)

OIL CONSERVATION COMMISSION

APPROVED **AUG 18 1967**, 19 _____

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

TITLE **SUPERVISOR DIST. #9**

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.

6-16-67: Cut stuck tubing at 4863'. Set cement retainer @ 4650', tested casing to 1000#, O.K. Squeezed open hole w/200 sacks cement. Perf 2 squeeze holes at 2010', pressure to 2000# w/no leak off, called good.

6-17-67: Drilled retainer and cement to 4740', hole wet.

6-18-67: Set cement retainer at 1954', squeezed perfs at 2010' w/50 sacks cement, drilled retainer and cement to 2010', tested perfs to 800#, O.K.

6-19-67: Drilling sidetrack hole from 4779'. 1" @ 4779', 5 1/4" @ 4799'.

6-20-67: Reached T. D. of 5417'.

6-21: Ran 172 joints 4 1/2", 10.5#, J-55 casing, 5407' set at 5417' w/75 sacks cement.

6-22-67: P.B.T.D. 5390', tested casing to 4000#, O.K. Perf 5356-74' w/18 holes. Frac w/20,000# 20/40 sand, 20,000 gallon water, max pr 4500#, tr pr 2600#, I.R. 53 BPM. No ball drop, flushed w/water. ISIP zero. Perf 5268-74', 5308-14' w/16 SPZ. Frac w/20,000# 20/40 sand, 20,000 gallon water, max pr 4500#, tr pr 2500-2600#. I.R. 42 BPM, dropped 1 set of 16 balls. Preceded #2 frac w/18 balls to seal off bottom perforations (5356-74'). ISIP - zero. Set B.P. @ 5060', tested w/4500#, O.K. Perf 4882-94', 4904-36', 4928-34' w/16 SPZ. Frac w/28,000# 20/40 sand, 28,000 gallon water, max pr 3900#, tr pr 2600-3200-3500#. I.R. 40 BPM, dropped 2 sets of 16 balls each, flushed w/water.

6-23-67: Blowing well, cleaning out to 5390'.

6-24: Ran 170 joints 2 3/8", 4.7#, J-55 tubing, 5305' landed at 5315', pin collar & sub on bottom.

7-20-67: Date well was tested.