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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 ☐ Change in Transporter of:
Recompletion ☒ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐
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 K	Well No. 1	Pool Name, Including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee	Lease No. SF 078587-A
Location Unit Letter K ; 1750 Feet From The South Line and 1650 Feet From The West Line of Section 21 Township 30N Range 8W , 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) 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: K Sec. 21 Twp. 30N Rge. 8W 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	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X		X			X	
Date Spudded W/O 5-26-67	Date Compl. Ready to Prod. 6-28-67	Total Depth 4873'	P.B.T.D. 4838'					
Elevations (DF, RKB, RT, GR, etc.) 5778' GL	Name of Producing Formation Mesa Verde	Top XX /Gas Pay 4256'	Tubing Depth 4678'					
Perforations 4258-62, 4272-80, 4290-98, 4332-40 4732-40, 4750-54, 4764-72, 4785-89, 4802-06, 4820-24			Depth Casing Shoe 4873'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
13 3/4"	9 5/8"	301'	150 Sks.					
8 3/4"	7"	4200'	300 Sks.					
6 1/4"	4 1/2"	4873'	110 Sks.					
	2 3/8"	4678'	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 13,891	Length of Test 3 Hours	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) Calculated A.O.F.	Tubing Pressure (shut-in) 896	Casing Pressure (shut-in) 896	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

(Signature)

Petroleum Engineer

(Title)

7-17-67

(Date)

OIL CONSERVATION COMMISSION

JUL 19 1967

APPROVED _____, 19 _____

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.

- 5-20-67 Rigged up Swinell Bros. rig #1, cutstuck tubing off at 4340', set cement retainer at 4100', tested 7" casing w/1000# O. K. Squeezed open hole w/200 sacks cement.
- 5-21-67 Perf. 3 squeeze holes at 1530', set cement retainer at 1424', squeezed through perfs. w/65 sacks cement. W.C.C.
- 5-26-67 Drilled out retainer and cement to 4210', 1° at 4210'. Drilling sidetrack hole w/gas, 6° at 4226'.
- 5-29-67 Drilling. 5 1/2° at 4300', 5° at 4700'.
- 5-30-67 Reached total depth of 4873'. 3 3/4° at 4873'. Ran 150 joints 4 1/2", 10.5#, J-55 casing (4863') set at 4873' w/110 sacks cement.
- 5-31-67 P.B.T.D. 4838'. Tested casing to 4000# O. K. Perf. Point Lookout 4732-40, 4750-54, 4764-72, 4785-89, 4802-06, 4820-24' w/16 SPZ, frac w/62,000# 20/40 sand, 62,236 gal. water. Max. pr. 4000#, BDP 1600#, tr. pr. 2600-2800-2200-2700-1650-1900#. I.R. 48.6 BPM. Dropped 5 sets of 16 balls and 2 sets of 32 balls, flushed. ISIP -0-. Set bridge plug at 4544', tested w/3000# O. K. Perf. Menefee 4250-62, 4272-80, 4290-98, 4332-40' w/16 SPZ. Frac w/34,000# 20/40 sand, 30,700 gal. water. Max. pr. 4000#, BDP 900#, tr. pr. 2400-2600-3000#. I.R. 54.6 BPM. Dropped 3 sets of 16 balls each. Flushed. ISIP -0-.
- 6-1-67 Ran 125 joints Class "B" and 25 joints Class "A" 2 3/8", 4.7#, J-55 tubing (4668') landed at 4678', pin collar and nipple on bottom.
- 6-28-67 Date well was tested.