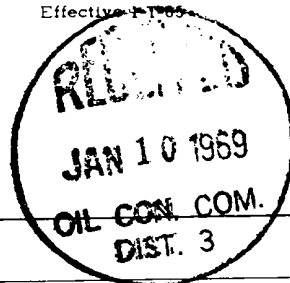


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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-69



I. Operator **El Paso Natural Gas Company**
Address **Box 990, Farmington, New Mexico - 87401**
Reason(s) for filing (Check proper box):
New Well ☐ Change in Transporter of: ☐
Recompletion ☒ Oil ☐ Dry Gas ☐ **See Back for Details**
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 **Hardie** Well No. **2** Pool Name, including Formation **Blanco Mesa Verde** Kind of Lease ☒ State, Federal or Fee **State** Lease No. **SF 078416-A**
Location Unit Letter **M** **990** Feet From The **South** Line and **990** Feet From The **West**
Line of Section **25** Township **29N** Range **8W** **19N4W** **San Juan** County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS
Name of Authorized Transporter of Oil ☐ or Condensate ☒ Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company **Box 990, Farmington, New Mexico - 87401**
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company **Box 990, Farmington, New Mexico - 87401**
If well produces oil or liquids, give location of tanks. Unit **M** Sec. **25** Twp. **29N** Rge. **8W** 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. ☐
Date Spudded **W/O 12-13-68** Date Compl. Ready to Prod. **W/O 1-7-69** Total Depth **5423'** P.B.T.D. **5410'**
Elevations (D.F., R.R.B., RT, GR, etc.) **6338' OL** Name of Producing Formation **Mesa Verde** Top of Gas Pay **4588'** Tubing Depth **5262'**
Perforations **4588-4600', 4618-30', 4690-4702', 4714-20', 5184-96', 5209-13', 5230-42', 5263-69', 5286-90'.** Depth Casing Shoe **5423'**
TUBING, CASING, AND CEMENTING RECORD
HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT
No Record **9 5/8"** **173'** **150 Sks.**
8 3/4" **7"** **4555'** **300 Sks.**
6 1/4" **4 1/2"** **5423'** **125 Sks.**
1 1/4" **5262'** **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		Bbls. Condensate/MMCF		Gravity of Condensate	
Actual Prod. Test-MCF/D	Length of Test	31.33 - 3 hours		45.0 API	
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)		Choke Size	
Calculated A.O.F.	147	786		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

Petroleum Engineer

January 9, 1969

OIL CONSERVATION COMMISSION
JAN 10 1969
APPROVED _____
BY Original Signed by Emery C. Arnold
SUPERVISOR DIST. #8

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

WORKOVER

12-13-68 Riggd up Dwinell Brothers rig #1. Killed well w/water, pulled tubing and set cement retainer at 4439', tested 7" casing to 1000# O.K. Squeezed open hole with 300 sacks of cement.

12-14-68 Perf. 1 squeeze hole in 7" casing at 2100', set cement retainer at 2042', squeezed 7" annulus through part with 125 sacks of cement. W.O.C. 12 hours.

12-15-68 Drilled cement retainer at 2042' and cement to 2100', tested perf w/800# O.K.

12-16-68 Drilling sidetrack hole from 4567' w/gas. 1" at 4550', 3 3/4" at 4537'.

12-17-68 Reached total depth of 5423'. 5" at 5000', 2" at 5427'. Ran logs.

12-18-68 Sidetrack T.D. 5423'. Ran 168 joints 4 1/2", 10.5", J-55 casing (5413') set at 5423' w/125 sacks of cement. W.O.C. 18 hours.

12-19-68 P.B.W.D. 5410', tested casing to 3500# O.K. Spotted 300 gallons 7 1/2% HCL. Perf. 5168-74', 5184-96', 5209-13', 5230-42', 5263-69', 5266-90' w/12 SPZ. Frac w/56,000# 20/40 sand, 43,100 gal. water. Max. pr. 2800#, BDP 2100#, avg. tr. pr. 2100#. I.R. 58 BPM. Dropped 5 sets of 12 balls, flushed w/3500 gallons of water, ISIP zero. Set Bridge plug at 5000', tested w/3500# O.K. Perf. 4588-4600', 4618-30', 4690-4702', 4714-20' w/12 SPZ. Frac w/40,000# 40/60 sand, 33,350 gal. water, max. pr. 3500#, BDP 2600#, avg. tr. pr. 2600#, I.R. 47 BPM, dropped 3 sets of 12 balls, flushed w/3200 gallons of water. ISIP 600#, 5 min. 400#.

12-20-68 Blowing well and drilling bridge plugs.

12-21-68 Ran 162 joints 1 1/4", 2.3#, JI tubing (5254') landed at 5262' w/Otis type X seating nipple 1 joint up from bottom, tubing open ended.

1-7-69 Date well was tested.