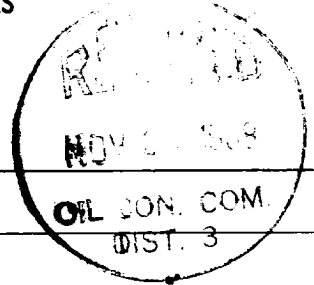


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| TRANSPORTER            | OIL | / |
|                        | GAS | / |
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NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65



I.

|                                                           |                                                                             |
|-----------------------------------------------------------|-----------------------------------------------------------------------------|
| Operator<br><b>El Paso Natural Gas Company</b>            |                                                                             |
| Address<br><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:                                                   |
| 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<br><b>San Juan 32-9 Unit</b>                                                                                                                                                                                 | Well No.<br><b>17</b> | Pool Name, Including Formation<br><b>Blanco Mesa Verde</b> | Kind of Lease<br>State, <input checked="" type="checkbox"/> Federal or Fee | Lease No.<br><b>ST 078438</b> |
| Location<br>Unit Letter <b>K</b> ; <b>1800</b> Feet From The <b>South</b> Line and <b>1650</b> Feet From The <b>West</b><br>Line of Section <b>8</b> Township <b>31N</b> Range <b>9W</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,<br>give location of tanks.                                                              | Unit Sec. Twp. Rge. Is gas actually connected? When                      |
|                                                                                                                          | <b>K 8 31N 9W</b>                                                        |

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. |
|                                                                                                                                                |                                                  | <input checked="" type="checkbox"/> |                                   | <input checked="" type="checkbox"/> |                 |           | <input checked="" type="checkbox"/> |              |
| Date Spudded<br><b>W/O 10-25-68</b>                                                                                                            | Date Compl. Ready to Prod.<br><b>11-19-68</b>    | Total Depth<br><b>5943'</b>         | P.B.T.D.<br><b>5923'</b>          |                                     |                 |           |                                     |              |
| Elevations (DF, RKB, RT, GR, etc.)<br><b>6678' GL</b>                                                                                          | Name of Producing Formation<br><b>Mesa Verde</b> | Top of Oil/Gas Pay<br><b>5775'</b>  | Tubing Depth<br><b>5856'</b>      |                                     |                 |           |                                     |              |
| Perforations <b>5386-98', 5411-17', 5430-36', 5450-62', Squeezed off w/150 Sks. Cement. 5775-87', 5804-10', 5820-26', 5864-76', 5898-5910'</b> |                                                  |                                     | Depth Casing Shoe<br><b>5943'</b> |                                     |                 |           |                                     |              |
| TUBING, CASING, AND CEMENTING RECORD                                                                                                           |                                                  |                                     |                                   |                                     |                 |           |                                     |              |
| HOLE SIZE                                                                                                                                      | CASING & TUBING SIZE                             |                                     | DEPTH SET                         |                                     | SACKS CEMENT    |           |                                     |              |
| <b>No Record</b>                                                                                                                               | <b>9 5/8"</b>                                    |                                     | <b>173'</b>                       |                                     | <b>125 Sks.</b> |           |                                     |              |
| <b>8 3/4"</b>                                                                                                                                  | <b>7"</b>                                        |                                     | <b>5260'</b>                      |                                     | <b>250 Sks.</b> |           |                                     |              |
| <b>6 1/4"</b>                                                                                                                                  | <b>4 1/2"</b>                                    |                                     | <b>5943'</b>                      |                                     | <b>150 Sks.</b> |           |                                     |              |
|                                                                                                                                                | <b>2 3/8"</b>                                    |                                     | <b>5856'</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<br><b>4352</b>                     | Length of Test<br><b>3 Hours</b>        | Bbls. Condensate/MMCF                   | Gravity of Condensate     |
| Testing Method (pitot, back pr.)<br><b>Calculated A.O.F.</b> | Tubing Pressure (shut-in)<br><b>813</b> | Casing Pressure (shut-in)<br><b>886</b> | Choke Size<br><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)

November 25, 1968

(Date)

OIL CONSERVATION COMMISSION

APPROVED **NOV 27 1968**

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

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.

WORKOVER

10-25-68 Riggd up Dwinell Bros. rig #1, cut stuck tubing off at 5371', leaving a 507' fish in open hole. Set cement retainer at 5168', squeezed open hole w/200 sacks of cement.

10-26-68 Tested 7" casing to 1000#, would not hold pressure, located leaks in 7" casing (1114-1964') set cement retainer at 1841', squeezed leaks w/125 sacks of cement. Communicated to 7" casing above packer, no communication to bradenhead. Set cement retainer at 1114'. Pressured backside to 1000#, attempted to squeeze w/100 sacks, communicated to 7" casing above packer. Mixed only 25 sacks and displaced below retainer at 2000#, equalized across retainer and casing held 1000#.

10-27-68 Drilled out retainer and cement to 1970', tested 7" casing to 800# O. K. Drilled retainer at 5168', and cement to 5308'. Hole wet, set cement retainer at 5163', tested casing to 800# O. K., re-squeezed open hole w/125 sacks of cement.

10-29-68 Drilled retainer at 5163' and cemented to 5272'. Drilling sidetrack hole from 5272' w/gas. 1° at 5270', 7° at 5292'. Drilling w/gas, 6 1/2° at 5325', hole wet.

10-30-68 Drilling w/gas. Reached total depth of 5943', hole wet.

11-1-68 Ran 4 1/2" casing, could not circulate, pulled casing.

11-2-68 Mixing mud and LCM, circulating hole w/mud.

11-3-68 Sidetrack T. D. 2943', ran 183 joints 4 1/2", 10.5#, J 55 casing (5933') set at 5943' w/150 sacks of cement. W.O.C. 18 hours.

11-4-68 P.B.T.D. 5923', tested casing to 4000# O. K. Spotted 300 gal. 7 1/2% acid. Fert. 5775-87', 5804-10', 5820-26', 5864-76', 5898-5910' w/12 SPZ. Frac w/60,000# 20/40 sand, 61,320 gal. water. Max. pr. 3100#, BDP vacuum, avg. tr. pr. 2500#, I.R. 54 BPM. Dropped 4 sets of 12 balls, flushed, ISIP vacuum, 15 Min. vacuum. Set bridge plug and tested to 3000# O. K. Spotted 300 gal. 7 1/2% acid. Fert. 5386-98', 5411-17', 5430-36', 5450-62' w/12 SPZ. Frac w/40,000# sand, 40,320 gal. water. Max. pr. 2400#, avg. tr. pr. 1800#, I.R. 58 BPM. Dropped 3 sets of 12 balls, flushed, ISIP 200#, 15 Min. vacuum.

10-5-68 Blowing well w/gas and booster, making large amount of water.

11-6-68 Blowing well w/gas and booster, at 4550', no decrease in amount of water. Well making water, set cement retainer at 5291', tested 4 1/2" casing to 1000#, squeezed Cliff House perforations (5386-5462') w/150 sacks of cement. Squeezed to 2000# then broke back. Final pressure 250#.

11-8-68 Drilled retainer at 5291' and cement to 5462', pressured up to 1000# O. K. Drilled out baffle at 5599', blowing well, making water and sand.

11-9-68 Blew well and cleaned out to 5923'. Ran 190 joints 2 3/8", 4.7#, J-55 tubing, (5846') landed at 5856' w/Otis type X seating nipple one joint up from bottom. Date well was tested.

11-19-68

