

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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| U.S.G.S.               |             |
| LAND OFFICE            |             |
| TRANSPORTER            | OIL         |
|                        | NATURAL GAS |
| OPERATOR               |             |
| PRODUCTION OFFICE      |             |

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1

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NOV 18 1985

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

OIL CON. DIV.  
DIST. 3

I. Operator  
Mallon Oil Company

Address  
2750 Security Life Building, Denver, CO 80202

Reason(s) for filing (Check proper box)  
☒ New Well  
☐ Recompletion  
☐ Change in Ownership

Change in Transporter of:  
☐ Oil  
☐ Gas  
☐ Dry Gas  
☐ Condensate

Other (Please explain)

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

|  |                  |   |  |                       |
|--|------------------|---|--|-----------------------|
| Lease Name<br>Howard Fed   | Well No.<br>1-11 | Pool Name, including Formation<br>Undesignated Gallup | Kind of Lease<br>State, Federal or Fee Federal | Lease No.<br>NM 40644 |
| Location<br>Unit Letter <u>K</u> : <u>1850</u> Feet From The <u>South</u> Line and <u>1675</u> Feet From The <u>West</u><br>Line of Section <u>1</u> Township <u>25 North</u> Range <u>2 West</u> , NMPM, <u>Rio Arriba</u> County |                  |   |  |                       |

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

|  |  |           |             |            |                                  |             |
|--|--|-----------|-------------|------------|----------------------------------|-------------|
| Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/><br>Giant Refining Company | Address (Give address to which approved copy of this form is to be sent)<br>P.O. Box 256, Farmington, NM 87499 |           |             |            |                                  |             |
| Name of Authorized Transporter of Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>   | Address (Give address to which approved copy of this form is to be sent)                                       |           |             |            |                                  |             |
| If well produces oil or liquids,<br>give location of tanks.  | Unit<br>K  | Sec.<br>1 | Twp.<br>25N | Rge.<br>2W | Is gas actually connected?<br>no | When<br>n/a |

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

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

*Karin H. McGowan*  
(Signature)

Agent  
(Title)

11/15/85  
(Date)

OIL CONSERVATION DIVISION

FEB 10 1986

APPROVED \_\_\_\_\_  
Original Signed by CHARLES GHOLSON  
BY \_\_\_\_\_  
TITLE \_\_\_\_\_  
DEPUTY OIL & GAS INSPECTOR, DIST. #5

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 certification 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.

#### 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<br>9/15/85   | Date Compl. Ready to Prod.            |          | Total Depth<br>8276'     |   | P.B.T.D.<br>8217'              |                            |             |              |
| Elevations (DF, RKB, RT, GR, etc.)<br>7547' GL  | Name of Producing Formation<br>Gallup |          | Top Oil/Gas Pay<br>6931' |   | Tubing Depth<br>none           |                            |             |              |
| Perforations 6931, 6939, 6955, 6962, 6976, 6985, 6998, 7008, 7015, 7026, 7040, 7050, 7069, 7079, 7098, 7111, 7126, 7136, 7146, 7151, (cont on bottom) |                                       |          |                          |   |                                | Depth Casing Shoe<br>8249' |             |              |
| TUBING, CASING, AND CEMENTING RECORD  |                                       |          |                          |   |                                |                            |             |              |
| HOLE SIZE   | CASING & TUBING SIZE                  |          | DEPTH SET                |   | SACKS CEMENT                   |                            |             |              |
| 12 1/4"   | 9-5/8"                                |          | 258'                     | 140 sx (165 ft <sup>3</sup> )           | Class B w/2% CaCl <sub>2</sub> |                            |             |              |
| 7-7/8"  | 5 1/2"                                |          | 8249'                    | 350 sx (441 ft <sup>3</sup> )           | 50-50 pozmix w/2% gel          |                            |             |              |
|   |                                       |          |                          | 2nd: 100 sx (206 ft <sup>3</sup> )      | Class B w/2% D-79              |                            |             |              |
|   |                                       |          |                          | tailed by 175 sx (221 ft <sup>3</sup> ) | 50-50 pozmix                   |                            |             |              |

#### V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of lost 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<br>11/8/85 | Date of Test<br>11/8/85 | Producing Method (Flow, pump, gas lift, etc.)<br>Swabbing |                  |
| Length of Test<br>10                       | Tubing Pressure         | Casing Pressure<br>450                                    | Choke Size       |
| Actual Prod. During Test                   | Oil - Bbls.<br>18 4/3   | Water - Bbls.<br>42-10/1                                  | Gas - MCF<br>--- |

#### GAS WELL

|                                  |                           |                           |                       |
|----------------------------------|---------------------------|---------------------------|-----------------------|
| Actual Prod. Test - MCF/D        | Length of Test            | Bbls. Condensate/MCF      | Gravity of Condensate |
| Testing Method (pilot, back pr.) | Tubing Pressure (Shut-in) | Casing Pressure (Shut-in) | Choke Size            |

Perfs: 7157, 7163, 7169, 7177, 7184, 7187, 7202, 7209, 7220, 7232, 7247, 7265, 7282, 7296, 7313, 7318, 7333, 7339, 7345, 7363, 7376, 7386, 7397, 7407, 7415, 7421, 7435, 7441, 7448, 7453, 7464, 7477, 7497, 7555, 7563, 7652, 7677, 7689, 7727, 7739, 7746, 7754.

Cement: with 2% gel, 10% salt and 1/4# flocele/sx. 3rd: 250 sx (515 ft<sup>3</sup>) Class B cement with 2% D-79 and 1/4# flocele/sx tailed by 125 sx (158 ft<sup>3</sup>) 50-50 pozmix with 2% gel, 10% salt and 1/4# flocele/sx.