

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form O-104  
Rev. 11-78REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED

|                      |             |
|----------------------|-------------|
| NO. OF OTHER PERMITS |             |
| DISTRIBUTION         |             |
| SANTA FE             | 1           |
| FILE                 | 1           |
| U.S.D.S.             |             |
| LAND OFFICE          |             |
| TRANSPORTER          | OIL 1       |
|                      | NATURAL GAS |
| OPERATOR             | 1           |
| PROMOTION OFFICE     |             |

Operator  
Holly Energy Inc. ✓ MAR 30 1981Address  
P.O. Box 726 Artesia, New Mexico 88210 O. C. D.  
ARTESIA OFFICE

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| Reason(s) for filing (Check proper box)      | Other (Please explain)          |
| New Well <input checked="" type="checkbox"/> | CASINGHEAD GAS MUST NOT BE ✓    |
| Recompletion <input type="checkbox"/>        | FLARED AFTER 5-1-81             |
| Change in Ownership <input type="checkbox"/> | UNLESS AN EXCEPTION TO Rule 306 |
|                                              | IS OBTAINED                     |
|                                              | EX # 2-508 until 8-6-81         |
|                                              | EX # 2-547                      |

If change of ownership give name  
and address of previous owner

## II. DESCRIPTION OF WELL AND LEASE

|                    |               |                                |                           |                    |
|--------------------|---------------|--------------------------------|---------------------------|--------------------|
| Lessee Name        | Well No.      | Pool Name, Including Formation | Kind of Lease             | Lease No.          |
| McIntyre A         | 9             | Grayburg-Jackson SR. Q-M-5A    | State, Federal or Fee Fed | LC-057634          |
| Location           |               |                                |                           |                    |
| Unit Letter J      | 2400          | Feet From The South            | Line and 1600             | Feet From The East |
| Line of Section 20 | Township 17-S | Range 30-E                     | NMPM,                     | Eddy 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"/> | Address (Give address to which approved copy of this form is to be sent) |      |      |      |                            |      |
| Navajo Crude Oil Purchasing Co                                                                                   | P.O. Drawer 175 Artesia, New Mexico 88210                                |      |      |      |                            |      |
| Name of Authorized Transporter of Casinghead 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                                                                     | Sec. | Twp. | Rge. | Is gas actually connected? | When |
|                                                                                                                  | J                                                                        | 20   | 17-S | 30-E | No                         |      |

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 Restv. | Diff. Restv. |
|                                                                                                   | X                           |          | X               |          |                        |           |             |              |
| Date Spudded                                                                                      | Date Compl. Ready to Prod.  |          | Total Depth     |          | P.B.T.D.               |           |             |              |
| 7-12-80                                                                                           | 11-15-80                    |          | 4715            |          | 3796                   |           |             |              |
| Elevations (DE, RKB, RT, GR, etc.)                                                                | Name of Producing Formation |          | Top Oil/Gas Pay |          | Tubing Depth           |           |             |              |
| 3635.0                                                                                            | San Andre                   |          | 2901            |          | 3355                   |           |             |              |
| Perforations 3223, 28, 57, 63, 68, 74, 85, 91, 96, 3301, 11, 18, 25, 29, 34, 40, 47, 60, 62, 3372 |                             |          |                 |          | Depth Casing Shoe      |           |             |              |
| 2901-04 2911-15 2976-78 2982-88                                                                   |                             |          |                 |          | 4715                   |           |             |              |
| TUBING, CASING, AND CEMENTING RECORD                                                              |                             |          |                 |          |                        |           |             |              |
| HOLE SIZE                                                                                         | CASING & TUBING SIZE        |          | DEPTH SET       |          | SACKS CEMENT           |           |             |              |
| 12 1/2                                                                                            | 8-5/8                       |          | 508             |          | 315                    |           |             |              |
| 7-7/8                                                                                             | 4 1/2                       |          | 4715            |          | 1550 C1 "H" 600 C1 "C" |           |             |              |
|                                                                                                   | 2-3/8                       |          | 3355            |          |                        |           |             |              |

## V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of lead 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.) |            |
| 2-1-81                          | 11-15-80        | Pumping                                       |            |
| Length of Test                  | Tubing Pressure | Casing Pressure                               | Choke Size |
| 24                              |                 | 14#                                           |            |
| Actual Prod. During Test        | Oil-Bbls.       | Water-Bbls.                                   | Gas-MCF    |
| 12 bbls.                        | 12              | 8                                             | 14 MCF/D   |

## GAS WELL

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

## 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 above is true and complete to the best of my knowledge and belief.

Robert Loyd  
(Signature)

Superintendent

(Title)

3-25-81  
(Date)

## OIL CONSERVATION DIVISION

APPROVED MAR 30 1981

BY W. A. Gressitt

TITLE SUPERVISOR, DISTRICT II

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 deviated 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 transportation or other such change of conditions.

Separate Forms O-104 must be filed for each pool in a newly recompleted well.