

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | |
|--|--|--|
| ¹ Operator Name and Address. Murchison Oil & Gas, Inc. 1445 Ross Ave., Suite 5300, LB 152 Dallas, TX. 75202-2883 | | ¹ OGRID Number 015363 |
| | | ¹ API Number 30 - 0 25-33873 |
| ¹ Property Code 008127 | ¹ Property Name Jackson Unit | ¹ Well No. 5 |

⁷ Surface Location

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| H | 16 | 24S | 33E | | 1980 | NORTH | 660 | EAST | LEA |

⁸ Proposed Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|--|---------|----------|-------|---------|------------------------------|------------------|---------------|----------------|--------|
| ¹ Proposed Pool 1 JOHNSON RANCH WOLFCAMP | | | | | ¹ Proposed Pool 2 | | | | |

| ¹¹ Work Type Code | ¹² Well Type Code | ¹³ Cable/Rotary | ¹⁴ Lease Type Code | ¹⁵ Ground Level Elevation |
|------------------------------|------------------------------|----------------------------|-------------------------------|--------------------------------------|
| N | G | R | S | 3616' |
| ¹⁶ Multiple | ¹⁷ Proposed Depth | ¹⁸ Formation | ¹⁹ Contractor | ²⁰ Spud Date |
| NO | 14000 | WOLFCAMP | ZIA DRILL | 5/15/97 |

²¹ Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 17 1/2 | 13 3/8 | 48 | 800 | 860 | Surface |
| 12 1/4 | 9 5/8 | 40 | 5260 | 1780 | Surface |
| 8 3/4 | 7 | 26 & 29 | 12600 | 1110 | 4750 |
| 6 | 4 1/2 | 15.1 | 14000 - 12300 | 180 | 12300 |

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

DRILL CASE & COMPLETE WELL IN WOLFCAMP FORMATION
BOP'S INCLUDE 1) HYDRILL DOUBLE RAM 11" x 5000 PSI
2) CHOKE MANIFOLD 4" x 5000 PSI FLANGED CONNECTION
3) 6 STATION ACCUMULATOR CLOSING UNIT WITH REMOTE CONTROL

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

MICHAEL S. DAUCHERTY

Title:

VICE PRESIDENT, OPERATIONS

Date:

3/3/97

Phone:

(214) 953-1414

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY DEEY SEXTON

Title:

DISTRICT SUPERVISOR

Approval Date:

MAR 11 1997

Expiration Date:

Conditions of Approval:

Attached ☐

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Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-----------------------------------|--|--|
| API Number 30-D25-33873 | Pool Code 79335 | Pool Name Johnson Ranch Wolfcamp |
| Property Code 8127 | Property Name JACKSON UNIT | Well Number 5 |
| OGRID No. 15363 | Operator Name MURCHISON OIL & GAS INC. | Elevation 3616' |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|------------|
| H | 16 | 24 S | 33 E | | 1980 | NORTH | 660 | EAST | LEA |

Bottom Hole Location If Different From Surface

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|-------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres 320 | Joint or Infill | Consolidation Code | Order No. |
|-------------------------------|-----------------|--------------------|-----------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | | |
|--|--|--|
| | OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Michael S. Daugherty Printed Name Vice President - Operations Title 03/03/97 Date | |
| | SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. FEBRUARY 21, 1997 Date Surveyed Signature & Seal of Professional Surveyor RONALD J. EIDSON 2-25-97 007-11-0337 CERTIFICATE No. JOHN W. WEST 676 RONALD J. EIDSON 3239 RYAN EIDSON 12641 | |
| | CDG | |
| | REGISTERED PROFESSIONAL SURVEYOR | |