

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 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. Yates Petroleum Corporation 105 S. 4th Street Artesia, New Mexico 88210 | | ² OGRID Number 025575 |
| | | ³ API Number 30-015-30637 |
| ⁴ Property Code 22552 | ⁵ Property Name Jacque AQJ State | ⁶ Well No. 4 |

⁷ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D | 34 | 21S | 31E | | 990' | North | 330' | West | Eddy |

⁸ Proposed 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 |
|--|---------|----------|-------|---------|-------------------------------|------------------|---------------|----------------|--------|
| ⁹ Proposed Pool 1 West Lost Tank 96482 | | | | | ¹⁰ Proposed Pool 2 | | | | |

| | | | | |
|-----------------------------------|---------------------------------------|-------------------------------------|--|---|
| ¹¹ Work Type Code N | ¹² Well Type Code O | ¹³ Cable/Rotary R | ¹⁴ Lease Type Code S | ¹⁵ Ground Level Elevation 3458' |
| ¹⁶ Multiple No | ¹⁷ Proposed Depth 8150' | ¹⁸ Formation Delaware | ¹⁹ Contractor Undesignated | ²⁰ Spud Date ASAP |

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" | 54.5# | 850' | 850 | Circulate |
| 11" | 8 5/8" | 32.0# | 4100' | 2500 | Circulate |
| 7 7/8" | 5 1/2" | 17 & 15.5# | TD | As Warranted | Circulate |
| Minimum WOC time 24 hrs | | | | | |

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.

Yates Petroleum Corporation proposes to drill and test the Delaware and intermediate formations. Approximately 850' of surface casing will be set and cement circulated. Approximately 4100' of intermediate casing will be set and cement circulated. If commercial, production casing will be run and cemented to tie-back to the 8 5/8" casing. Will perforate and stimulate as needed for production.

MUD PROGRAM: Native mud to 850'; Brine to 4100'; Cut Brine to TD.

BOPE PROGRAM: BOPE will be installed on the 13 3/8" casing and tested daily for operational.

A LETTER HAS BEEN SENT TO MISSISSIPPI POTASH, INC.

R-111-P

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

Signature:

Clifton R. May

Printed name:

CLIFTON R. MAY

Title:

REGULATORY AGENT

Date:

April 29, 1999

Phone:

505-748-4347

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date: 5-3-99

Expiration Date: 5-3-00

Conditions of Approval:

Attached ☐

Notify N.M.O.C.C. in sufficient

time to witness cementing

the 13 3/8" 8 5/8" casing

100-443887-100

9-11-9

| Number of hauls | <i>P. setiferus</i> (%) | <i>P. setiferus</i> + <i>P. setiferus</i> + <i>P. setiferus</i> (%) |
|-----------------|-------------------------|---|
| 1 | 10 | 5 |
| 2 | 30 | 10 |
| 3 | 50 | 15 |
| 4 | 70 | 18 |
| 5 | 85 | 20 |
| 6 | 95 | 22 |
| 7 | 100 | 23 |
| 8 | 100 | 24 |
| 9 | 100 | 25 |
| 10 | 100 | 26 |

[illegible]

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