

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000  
5. Lease Serial No.

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other  
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
☒ Other **Re-entry**

**NM-120833**

2. Name of Operator  
**Yates Petroleum Corporation /**

6. If Indian, Allottee or Tribe Name

3. Address  
**105 S. 4th St., Artesia, NM 88210**

3a. Phone No. (include area code)  
**505-748-1471**

7. Unit or CA Agreement Name and No.

4. Location of Well (Report location clearly and in accordance with Federal Requirements)\*

8. Lease Name and Well No.  
**Rio Penasco MF Federal #2**

At Surface

**2960 FNL & 660' FWL**

At top prod. Interval reported below

At total depth

9. API Well No.  
**30-015-29255**

10. Field and Pool, or Exploratory  
**N Dagger Draw Upper / PENN**  
11. Sec., T., R., M., on Block and Survey or Acre  
**Unit E, SWNW**  
**Sec 11-T19S-R25E**

12. County or Parish 13. State  
**Eddy NM**

14. Date Spudded  
15. Date T.D. Reached **12/29/00**  
16. Date Completed ☐ D&A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
**3459' GR**

18. Total Depth, MD & TVD **9348**  
9. Plug Back T.D. MD TVD  
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
Laterolog, CNL, Azimuthal Laterolog  
**GR/CBL/CCL LOGS**  
22. Was Well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

| 23. Casing and Liner Record (Report all strings set in well) |            |             |          |             |                      |                            |                   |             |               |
|--|------------|-------------|----------|-------------|----------------------|----------------------------|-------------------|-------------|---------------|
| Hole Size  | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | State Cementer Depth | No. of Sk & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
| 26"  | 20"        |             |          |             | 80'                  | in place                   |                   |             |               |
| 14-3/4"  | 9-5/8"     | 36#         |          |             | 1165'                | in place                   |                   |             |               |
| 8-3/4"   | 7"         | 26# & 23#   |          |             | 8095'                | in place                   |                   |             |               |
| 6-1/8"   | 4-1/2"     | 11.6#       |          |             | 9348'                | 125 sxs                    |                   |             |               |

| 24. Tubing Record |                |                   |      |                |                   |      |                |                   |  |
|-------------------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|--|
| Size              | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |  |
| 2-3/8"            | 9270'          | 9254'             |      |                |                   |      |                |                   |  |

| 25. Producing Intervals |       |        |                     |      | 26. Perforation Record |              |  |
|-------------------------|-------|--------|---------------------|------|------------------------|--------------|--|
| Formation               | Top   | Bottom | Perforated Interval | Size | No. Holes              | Perf. Status |  |
| A.) Upper Morrow        | 9018' | 9038'  | 9312-9321'          | 4    | 10                     |              |  |
| B.)                     |       |        | 9230-9240'          | 4    | 44                     |              |  |
| C.)                     |       |        | 9018-9026'          | 4    | 64                     |              |  |
| D.)                     |       |        | 9032-9038'          | 4    | 44                     |              |  |

| 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. |  | Amount and Type of Material                |
|---|--|--|
| Depth Interval                                      |  |  |
| 9312-9321'  |  | 750 gals 15% IC/HCL nonionic surfactant    |
| 9230-9240'  |  | 1000 gals, 7.5% MSA acid                   |
| 9018-9038'  |  | 1000 gals, 7.5% MSA acid w/96 ball sealers |

| 28. Production - Interval A |                   |              |                 |         |         |           |                       |             |                   |
|-----------------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced         | Test Date         | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
| 2/9/01                      | 2/10/01           | 24           | ⇒               | 6       | 1784    | 6         |                       |             | Flowing           |
| Choke Size                  | Tbj. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio        | Well Status |                   |
| 19/64"                      |                   |              | ⇒               |         |         |           |                       |             | Producing         |

| 28a. Production-Interval B |           |              |                 |         |         |           |                       |             |                   |
|----------------------------|-----------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced        | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|                            |           |              | ⇒               |         |         |           |                       |             |                   |

|            |                      |             |                  |         |         |           |                |           |
|------------|----------------------|-------------|------------------|---------|---------|-----------|----------------|-----------|
| Choke Size | Tbj. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate<br>⇒ | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio | Well Stat |
|------------|----------------------|-------------|------------------|---------|---------|-----------|----------------|-----------|

(See instructions and spaces for additional data on reverse side)

28b. Production - Interval C

|                     |           |              |                      |         |         |           |                       |             |                   |
|---------------------|-----------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date | Hours Tested | Test Production<br>⇒ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-----------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|

|            |                      |             |                  |         |         |           |                |             |
|------------|----------------------|-------------|------------------|---------|---------|-----------|----------------|-------------|
| Choke Size | Tbj. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate<br>⇒ | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio | Well Status |
|------------|----------------------|-------------|------------------|---------|---------|-----------|----------------|-------------|

28c. Production - Interval D

|                     |           |              |                      |         |         |           |                       |             |                   |
|---------------------|-----------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date | Hours Tested | Test Production<br>⇒ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-----------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|

|            |                      |             |                  |         |         |           |                |             |
|------------|----------------------|-------------|------------------|---------|---------|-----------|----------------|-------------|
| Choke Size | Tbj. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate<br>⇒ | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio | Well Status |
|------------|----------------------|-------------|------------------|---------|---------|-----------|----------------|-------------|

Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

| Formation | Top | Bottom | Description, Contents, etc. | Name        | Top        |
|-----------|-----|--------|-----------------------------|-------------|------------|
|           |     |        |                             |             | Meas Depth |
|           |     |        |                             | San Andres  | 812        |
|           |     |        |                             | Glorieta    | 2362       |
|           |     |        |                             | Bone Spring | 3665       |
|           |     |        |                             | Wolfcamp    | 6062       |
|           |     |        |                             | Canyon      | 7582       |

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Erma Vazquez Title Drilling Technician

Signature Erma Vazquez Date 12-17-01