

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTOil Cons.  
N.M. Div-Dist. 2FORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1301 W. Grand Avenue  
Artesia, NM 88210

Lease Serial No.

NM-31099

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
Yates Petroleum Corporation3. Address  
105 S. 4th Str., Artesia, NM 882103a. Phone No. (include area code)  
505-748-1471

8. Lease Name and Well No.

Horn YG Federal Com #4

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

At Surface 1750'FSL &amp; 660'FEL (Unit I, NESE)

At top prod. Interval reported below

Same as above

At total depth Same as above

9. API Well No.

30-005-63680

10. Field and Pool, or Exploratory

Four Ranch Pre-Permian, North

11. Sec., T., R., M., on Block and  
Survey or Area

Section 7-T8S-R26E

12. County or Parish 13. State

Chaves

New Mexico

14. Date Spudded  
RH 1/14/05 RT 1/17/0515. Date T.D. Reached  
2/2/0516. Date Completed 4/24/05  
☐ D & A ☒ Ready to Prod.

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

3653'GL 3670'KB

18. Total Depth: MD 5860'  
TVD NA19. Plug Back T.D.: MD 5800'  
TVD NA20. Depth Composite Plug Set: MD 5800'  
TVD NA

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

CNL, Hi-Res Laterolog Array, Borehole  
Compensated Sonic, CBL22. 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<br>Depth | No. of Sks &<br>Type of Cement | Slurry Vol.<br>(BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|-------------------------|--------------------------------|----------------------|-------------|---------------|
|           | 20"        | Cond        | Surface  | 40'         |                         |                                |                      | Surface     |               |
| 12-1/4"   | 8-5/8"     | 24#         | Surface  | 1024'       |                         | 700 sx                         |                      | Surface     |               |
| 7-7/8"    | 5-1/2"     | 15.5#       | Surface  | 5860'       |                         | 950 sx                         |                      | Surface     |               |
|           |            |             |          |             |                         |                                |                      |             |               |
|           |            |             |          |             |                         |                                |                      |             |               |

24. Tubing Record

| Size   | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|--------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2-7/8" | 5133'          | 5133'             |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation   | Top   | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------|-------|--------|---------------------|------|-----------|--------------|
| A) Silurian | 5710' | 5754'  |                     |      |           |              |
| B) Strawn   | 5362' | 5542'  |                     |      |           |              |
| C)          |       |        |                     |      |           |              |
| D)          |       |        |                     |      |           |              |

SEE ATTACHED SHEET

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material  |
|----------------|--|
| 5710'-5754'    | Acidize w/250g 20% IC acid, re-acidize w/3200g 20% IC acid and 125 balls                                     |
| 5362'-5542'    | Acidize w/2000g 7-1/2% IC acid and 192 ball sealers  |
| 5362'-5754'    | Frac w/40# Medallion binary frac w/778 bbls fluid, 151 tons CO2, 3800# 100 mesh,<br>155100# 20/40 White sand |

28. Production - Interval A

| Date First<br>Produced | Test<br>Date         | Hours<br>Tested          | Test<br>Production | Oil<br>BBL | Gas<br>MCF | Water<br>BBL | Oil Gravity<br>Corr. API | Gas<br>Gravity | Production Method |
|------------------------|----------------------|--------------------------|--------------------|------------|------------|--------------|--------------------------|----------------|-------------------|
| 4/25/05                | 3/18/05              | 24                       | ⇒                  | 0          | 214        | 0            | NA                       | NA             | Flowing           |
| Choke<br>Size          | Tbg. Press.<br>Flwg. | Csg.<br>Press.<br>Packer | 24 Hr.<br>Rate     | Oil<br>BBL | Gas<br>MCF | Water<br>BBL | Gas: Oil<br>Ratio        | Well Status    |                   |
| 3/8"                   | 50 psi               |                          | ⇒                  | 0          | 214        | 0            | NA                       |                | Producing         |

28a. Production-Interval B

| Date First<br>Produced | Test<br>Date         | Hours<br>Tested | Test<br>Production | Oil<br>BBL | Gas<br>MCF | Water<br>BBL | Oil Gravity<br>Corr. API | Gas<br>Gravity | Production Method |
|------------------------|----------------------|-----------------|--------------------|------------|------------|--------------|--------------------------|----------------|-------------------|
|                        |                      |                 | ⇒                  |            |            |              |                          |                |                   |
| Choke<br>Size          | Tbg. Press.<br>Flwg. | Csg.<br>Press.  | 24 Hr.<br>Rate     | Oil<br>BBL | Gas<br>MCF | Water<br>BBL | Gas: Oil<br>Ratio        | Well Status    |                   |
|                        |                      |                 | ⇒                  |            |            |              |                          |                |                   |

ARMANDO A. LOPEZ  
PETROLEUM ENGINEER

## 28b. Production - Interval C

| Date First Produced | Test Date            | Hours Tested | Test Production<br>⇒ | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>Flwg. | 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<br>Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>Flwg. | Csg. Press.  | 24 Hr. Rate<br>⇒     | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio           | Well Status |                   |

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

Sold

## 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 |
|           |     |        |                             | Queen           | 180'       |
|           |     |        |                             | Penrose         | 258'       |
|           |     |        |                             | Grayburg        | 402'       |
|           |     |        |                             | San Andres      | 622'       |
|           |     |        |                             | Glorieta        | 1638'      |
|           |     |        |                             | Yeso            | 1759'      |
|           |     |        |                             | Tubb            | 3222'      |
|           |     |        |                             | Abo             | 3933'      |
|           |     |        |                             | Wolfcamp        | 4619'      |
|           |     |        |                             | Wolfcamp B Zone | 4704'      |
|           |     |        |                             | Spear           | 4958'      |
|           |     |        |                             | Cisco           | 5206'      |
|           |     |        |                             | Strawn          | 5326'      |
|           |     |        |                             | Mississippian   | 5564'      |
|           |     |        |                             | Siluro-Devonian | 5690'      |
|           |     |        |                             | Precambrian     | 5786'      |

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.) 
 ☐ Geologic Report 
 ☐ DST Report 
 ☐ Directional Survey 
 ☐ Sundry Notice for plugging and cement verification 
 ☐ Core Analysis 
 ☒ Other: Deviation Survey

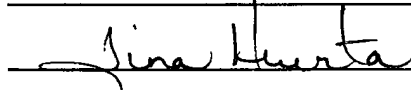
## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print)

Tina Huerta

Title Regulatory Compliance Supervisor

Signature



Date June 30, 2005

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Yates Petroleum Corporation  
Horn YG Federal Com #4  
Section 7-T8S-R26E  
Chaves County, New Mexico

**Form 3160-4 continued:**

26. Perforation Record

| Perforated Interval | Size | No. Holes | Perf Status |
|---------------------|------|-----------|-------------|
| 5710'-5714'         |      | 10        | Producing   |
| 5718'-5728'         |      | 22        | Producing   |
| 5732'-5738'         |      | 14        | Producing   |
| 5740'-5748'         |      | 18        | Producing   |
| 5750'-5754'         |      | 10        | Producing   |
| 5362'-5376'         |      | 56        | Producing   |
| 5448'-5454'         |      | 14        | Producing   |
| 5508'-5516'         |      | 18        | Producing   |
| 5532'-5542'         |      | 40        | Producing   |