

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NOV 18 2008

FORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMLC-032096-B

- 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  
Apache Corporation ✓

8. Lease Name and Well No.

Lockhart B-24 ✓ 001 ✓

3. Address  
6120 S Yale Ave, Suite 1500 Tulsa OK 74136-42243.a. Phone No. (Include area code)  
(918)491-4864

9. API Well No.

30-025-38759 ✓

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

At Surface 2310' FSL &amp; 2310' FEL (NW1/4 SE1/4), Unit J, Sec 24, T21S, R37E ✓

At top prod. interval reported below

At total depth

10. Field and Pool, or Exploratory

Blinebry O&amp;G/Tubb O&amp;G/Drinkard

11. Sec., T., R., M., on Block and

Survey or Area Sec 24, T21S, R37E

12. County or Parish

Lea

13. State

New Mexico ✓

14. Date Spudded

04/12/2008

15. Date T.D. Reached

04/23/2008

16. Date Completed

☐ D & A ☒ Ready to Prod.  
10/15/2008

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

3438' GL

18. Total Depth: MD 7155'  
TVD19. Plug Back T.D.: MD 7113'  
TVD20. Depth Bridge Plug Set: MD  
TVD21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)  
DLL/MG, SD/DSN, LSS, Borehole Volume Plot22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☒ No ☐ Yes (Submit analysis)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) | Stage Cementer Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12-1/4"   | 8-5/8"     | 24#         | 0'       | 1540'       |                      | 760 Class C                 | 222               | 0' circ     |               |
| 7-7/8"    | 5-1/2"     | 17#         | 0'       | 7153'       |                      | 1615 Class C                | 610               | 122' CBL    |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |

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" | 7001'          |                   |      |                |                   |      |                |                   |

25. Producing Intervals

26. Perforation Record

| Formation      | Top   | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|-------|--------|---------------------|------|-----------|--------------|
| A) Blinebry C1 | 5862' |        | 5868' - 6152'       |      | 57        | Producing    |
| B) Tubb C2     | 6335' |        | 6344' - 6586'       |      | 40        | Producing    |
| C) Drinkard C3 | 6683' |        | 6854' - 6894'       |      | 27        | Producing    |
| D)             |       |        |                     |      |           |              |

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

| Depth Interval | Amount and Type of Material                                                |
|----------------|----------------------------------------------------------------------------|
| 5868' - 6152'  | Acidize with 3000 gals 15% HCl. Frac with 36K gals gel & 82K # 20/40 sand. |
| 6344' - 6586'  | Acidize with 3000 gals 15% HCl. Frac with 36K gals gel & 82K # 20/40 sand. |
| 6854' - 6894'  | Acidize with 3000 gals 15% HCl. Frac with 39K gals gel & 62K # 20/40 sand. |

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 |
|-------------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 10/15/08                | 11/3/08              | 24           | →               | 38      | 152     | 149       | 37.2                  |             | Pumping           |
| Choke Size              | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio         | Well Status |                   |
|                         |                      |              | →               |         |         |           | 4000                  | Producing   |                   |
| 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              | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio         | Well Status |                   |
|                         |                      |              | →               |         |         |           |                       |             |                   |

ACCEPTED FOR RECORD  
Pumping

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CARLSBAD FIELD OFFICE

## 28b. Production - Interval C

| 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          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio         | Well Status |                   |

## 28c. Production - Interval D

| 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          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | 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 or 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 | Descriptions, Contents, etc. | Name | Top Meas. Depth |
|--------------|-------|--------|------------------------------|------|-----------------|
| Rustler      | 1459' |        |                              |      |                 |
| Yates        | 2792' |        |                              |      |                 |
| Seven Rivers | 3037' |        |                              |      |                 |
| Queen        | 3609' |        |                              |      |                 |
| Grayburg     | 3955' |        |                              |      |                 |
| San Andres   | 4211' |        |                              |      |                 |
| Glorieta     | 5463' |        |                              |      |                 |
| Blinebry     | 5862' |        |                              |      |                 |
| Tubb         | 6335' |        |                              |      |                 |
| Drinkard     | 6683' |        |                              |      |                 |
| Abo          | 6961' |        |                              |      |                 |

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

BLINEBRY 5868-74, 5948-54, 6008-12, 6030-34, 6146-52 2 JSPF (Producing)  
 TUBB 6344-48, 6453-57, 6498-6504, 6582-86 2 JSPF (Producing)  
 DRINKARD 6854-58, 6869-73, 6890-94 2 JSPF (Producing)

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

- ☐ Electrical/Mechanical Logs (1 full set req'd.) 
 ☐ Geological Report 
 ☐ DST Report 
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification 
 ☐ Core Analysis 
 ☐ 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) Sophie Mackay Title Engineering TechSignature Sophie Mackay Date 11/06/2008

Bureau of Land Management

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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Carlsbad Field Office  
Carlsbad, NM