Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
**CONFIDENTIAL**

**OCD-ARTESIA**
**FEB - 3 2009**

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

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

**CONFIDENTIAL**

5. Lease Serial No.: SHL: NM-109643 BHL: State Lease

1a. Type of Well: [X] 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: Cimarex Energy Co. of Colorado

8. Lease Name and Well No.: Drumstick 7 Federal Com 3

3. Address: 5215 N. O'Connor Blvd. ste 1500 Irving, Tx 75039

3a. Phone No. *(include area code)*: 972-401-3111

9. API Well No.: 30-015-36437

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

At surface: 1880' FSL & 330' FEL

At top prod. interval reported below: 1880' FSL & 330' FEL

At total depth: 1885' FSL & 346' FWL

10. Field and Pool, or Exploratory: Ishee Lake; Abo

11. Sec., T., R., M., on Block and Survey or Area: 7-16S-29E

12. County or Parish: Eddy

13. State: NM

14. Date Spudded: 08.17.08

15. Date T.D. Reached: 09.16.08

16. Date Completed: [ ] D & A [X] Ready to Prod. 11.01.08

17. Elevations (DF, RKB, RT, GL)*: 3,251' GR

18. Total Depth: MD 10933' TVD 6888' (Pilot hole 7000')

19. Plug Back TD.: MD 10933' TVD 6888' (pilot hole 6843')

20. Depth Bridge Plug Set:

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

No Logs were run on this well

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey [ ] No [X] 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 Sks & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|---|---|---|---|---|---|---|---|---|---|
| 17 1/2" | 133/8" H-40 STC | 48# | 0' | 340' | | 560 sx Thixatropic | | 77' temp survey | |
| | | | | | | 1" job 315 sx Thx | | 0' circ | |
| 12 1/4" | 9 5/8" J-55 LTC | 40# | 0' | 2518' | | 1050 sx Intr C | | 0' circ | |
| 8 3/4" | 5 1/2" J-55 BTC | 17# | 0' | 822' | | 1400 sx Intr H | | 0' circ | |
| | 5 1/2" J-55 LTC | 17# | 862' | 7000' | | | | | |
| 4 3/4" | 2 7/8" P-110 | 6.5# | 6498' | 10933' | | PEAK, no cement | | | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|---|---|---|---|---|---|---|---|---|
| 2⅞" | 6427' | 6,296' | AS-1 5 1/2"X2 7/8" | | | | | |

25. Producing Intervals / 26. Perforation Record

| | Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---|---|---|---|---|---|---|---|
| A) | Lower Abo | 6830' | 6935' | Peak Liner assembly | | | |
| B) | | | | | | | |
| C) | | | | | | | |
| D) | | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|---|---|
| | ***Please see attachment.*** |

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 (BTU) | Production Method |
|---|---|---|---|---|---|---|---|---|---|
| 11.01.08 | 11.26.08 | 24 | → | 66 | 82 | 194 | 41.16 | 1.5245 | Pumping |

| Choke Size | Tbg Press Flwg SI | Csg. Press | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status |
|---|---|---|---|---|---|---|---|---|
| open | 80 SI | 40 | → | 66 | 82 | 194 | 1242 | Producing |

28. 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
JAN 31 2009
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

* *(See instructions and spaces for additional data on page 2)*

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.)*

Flare testing gas waiting for pipeline f 11-1 t 11-24, first gas sales 11-24-08

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 | Descriptions, Contents, etc. | Name | Top Meas. Depth |
|---|---|---|---|---|---|
| | | | | Queen | 1,487' |
| | | | | Grayburg | 1,664' |
| | | | | San Andres | 2,255' |
| | | | | Glorietta | 3,707' |
| | | | | Tubb | 4,967' |
| | | | | Abo | 5,745' |
| | | | | Lower Abo | 6,830' |
| | | | | Base Anhydrite | 6,935' |

32 Additional remarks (include plugging procedure).

11.01.08 Installed 25-200 RHBC-20-3-00 Quinn pump

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:

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)* Scott Haynes Title Regulatory Analyst

Signature Scott Haynes Date January 15, 2009

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.

Acid, Fracture, Treatment, Cement Squeeze, etc. Attachment

**Drumstick 7 Federal Com 3**

7-16S-29E

Eddy County, NM

| Depth Interval | Amount and Type of Material Used |
|---|---|
| **Stage 1** 10355'-10933' | Pump 26 bbls slick water. Pump 119 bbls of 15% HCL NEFE acid, pump 190 bbls slick water, SD ISIP 5260#, 404 bbls slick water. 119 bbls deep spot 15% HCL acid, 833 bbls slick water, 119 bbls 2000 x-linker pad .5 to 1 PPG 30/50# white sand in lightning 2000 gel, 238 bbls slick water, flush with 20# liner gel. |
| **Stage 2** 9499'-10355' | Pump 140 bbls slick water SD ISIP 4385#, 309 bbls slick water, 238 bbls deep spot 25% HCL acid, 714 bbls slick water, 119 bbls lightning 2000 x-linker pad, .5 to 1 PPG 30/50# white sand in lightning 2000 gel, 800 bbls slick water. Pump 5000# 30/50 white sand ramped to 1PPG in 119 bbls of lightning 2000 gel. flush with 119 bbls slick water. drop 1 3/4" ball. pump 119 bbls 15% HCL NEFE acid, 205 bbls slick water. |
| **Stage 3** 8676'-9499 | Pump 168 bbls slick water SD ISIP 4342#. 190 bbls slick water, 179 bbls deep spot 15% HCL acid, 476 bbls slick water, 238 bbls deep spot 15% HCL acid. 595 bbls slick water, 119 bbls lightning 2000 x-linker pad, .5 PPG 30/50 white sand in lightning 2000 gel, pump 712 bbls slick water, 119 bbl lightning 2000 x-link pad, .5 ppg 30/50 white sand in lightning 2000 gel. pump 833 bbl slick water, 1PPG 30/50 white sand in lightning 2000 gel, flush with 119 bbls slick water drop 2" ball. pump 119 bbls 15% HCL acid, 163 bbl slick water. |
| **Stage 4** 8013'-8676' | pump 157 bbls slick water SDF ISIP 4760#, 190 bbls slick water, 178 bbls deepspot 15% HCL acid, 595 bbls slick water, 119 bbls Lightniong 2000 x-linker pad, .5 to 1 ppg 30/50 white sand in lightning 2000 gel, 714 bbls slick water, 119 bbl Lightning 2000 x-linker pad, .5 ppg 30/50 white sand in lightning 2000 gel 833 slick water, 1ppg 30/50 white sand in lightning 2000 gel, flush with 119 bbl 20# liner gel drop 2 1/4" ball. pump 119 bbl 15% HCL NEFE acid, 160 bbl slick water. |
| **Stage 5** 7378'-8013' | pump 149 bbls slick water SD ISIP 5268#, 190 bbls slick water, 179 bbls deep spot 15% HCL acid, 595 bbls slick water, 238 bbl deep spot 15% HCL acid. Pump 714 bbl slick water, 119 bbl lightning 2000 x-linker pad, .5 ppg 30/50 white sand in lightning 2000 gel, 714 bbl slick water .1ppg 30/50 white sand in lightning 2000 gel, flush with 119bbl 20# liner gel, drop 2 1/2" ball. pump 119 bbl 15% HCL NEFE, 157 bbl slick water. |
| **Stage 6** 7378'-8013' | Pump 205 bbls slick water, SD ISIP 5029#, 71 bbls slick water, 119 bbls deep spot 15% acid 357 bbls slick water, 119 bbls lightning 2000 x-linker pad, .5 to 1 30/50# white sand in lightning 2000 gel, 595 bbl slick water, .1 ppg 30/50 white sand in lightning 2000 gel. flush with 238 bbl slick water. |