

(July 1989)

(formerly 9-380)

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

**CONTACT RECEPTION  
OFFICE FOR NUM.  
OF COPIES REQUIRED  
(See other instructions on  
reverse side)**

BLM Roswell District  
Modified Form No.  
NM060-3160-3

88240

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other Injector  
 1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR

P.O. Box 1150 Midland, Texas 79702

3a. AREA CODE &amp; PHONE NO.

(915)687-7148

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 785' FNL & 1905' FWL

At top prod. interval reported below

At total depth

Unit C  
(3)

5. LEASE DESIGNATION AND SERIAL NO.

LC-046295

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Arrowhead Grayburg Unit

8. FARM OR LEASE NAME

N/A

9. WELL NUMBER

148

10. FIELD AND POOL, OR WILDCAT

Arrowhead Grayburg

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 1, T22S, R36E

9a. API WELL NO.

30-025-31393

14. PERMIT NO.

DATE ISSUED

9/20/91

12. COUNTY OR PARISH

Lea

13. STATE

NM

15. DATE SPUNDED

10/17/91

16. DATE T.D. REACHED

10/25/91

17. DATE COMPL. (Ready to prod.)

12/13/91

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

3527' GR

19. ELEV. CASINGHEAD

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20. TOTAL DEPTH, MD &amp; TVD

3915'

21. PLUG BACK T.D., MD &amp; TVD

3895'

22. IF MULTIPLE COMPL.

HOW MANY\* ---

23. INTERVALS

DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*

3674'-3886' Grayburg

25. WAS DIRECTIONAL

SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL-MLL-GR,CCL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|------------------|---------------|
| 8-5/8"      | 23#             | 1175'          | 12-1/4"   | 750 sx           | 89 sx         |
| 5-1/2"      | 15.5#           | 3915'          | 7-7/8"    | 600 sx           | 11 sx         |
|             |                 |                |           |                  |               |
|             |                 |                |           |                  |               |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
|      |          |             |               |             | 2-3/8" | 3629'          | 3629'           |
|      |          |             |               |             |        |                |                 |
|      |          |             |               |             |        |                |                 |

31. PERFORATION RECORD (Interval, size, and number)

3674'-3765' 4" 180deg (86 holes)

3774'-3886' 4" 180deg (104 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 3674'-3886'         | 1500 gals 15% NEFE HCL           |
|                     |                                  |
|                     |                                  |
|                     |                                  |

33. PRODUCTION

|                          |                 |                                                                       |                              |            |              |                                    |                 |
|--------------------------|-----------------|-----------------------------------------------------------------------|------------------------------|------------|--------------|------------------------------------|-----------------|
| DATE OF FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping- size and type of pump) |                              |            |              | WELL STATUS (Producing or shut-in) |                 |
| DATE OF TEST             | HOURS TESTED    | CHOKE SIZE                                                            | PROD'N. FOR TEST PERIOD<br>→ | OIL - BBL. | GAS - MCF.   | WATER - BBL.                       | GAS - OIL RATIO |
| FLCW. TUBING PRESS.      | CASING PRESSURE | CALCULATED 24 HOUR RATE<br>→                                          | OIL - BBL.                   | GAS - MCF. | WATER - BBL. | OIL GRAVITY - API (CORR.)          |                 |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

*J. K. Ripley*

TITLE

Technical Assistant

DATE

12/19/91

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (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).

| FORMATION | TOP  | BOTTOM   | DESCRIPTION, CONTENTS, ETC.                                                                                                   | NAME     | TOP         |                  |
|-----------|------|----------|-------------------------------------------------------------------------------------------------------------------------------|----------|-------------|------------------|
|           |      |          |                                                                                                                               |          | MEAS. DEPTH | TRUE VERT. DEPTH |
| Queen     | 3368 | 3670     | Sandstone Interbedded w/Dolomites & Shales -<br>Not Tested/Not Cored                                                          | Rustler  | 1152        | Same             |
| Grayburg  | 3670 | 3909(TD) | Dolomites Interbedded w/Dolomite Siltstones<br>- Not Cored<br>- Not Yet Tested (11/11/91)<br>- RFT's Range From 100# to 1200# | T/Salt   | 1243        | Same             |
|           |      |          |                                                                                                                               | B/Salt   | 2506        | Same             |
|           |      |          |                                                                                                                               | Yates    | 2720        | Same             |
|           |      |          |                                                                                                                               | 7 Rivers | 2910        | Same             |
|           |      |          |                                                                                                                               | Queen    | 3368        | Same             |
|           |      |          |                                                                                                                               | Grayburg | 3670        | Same             |

38. GEOLOGIC MARKERS