

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Artesia, NM 88210

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

45F

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR  
HNG OIL COMPANY ✓

3. ADDRESS OF OPERATOR  
P. O. Box 2267, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 2310' FNL & 660' FEL  
At top prod. interval reported below  
At total depth See attached Directional Survey  
See attached Directional Survey

5. LEASE DESIGNATION AND SERIAL NO.  
NM 15302

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Gulf Federal

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Wildcat (Atoka-Penn)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 5, T25S, R29E

12. COUNTY OR PARISH  
Eddy

13. STATE  
NM

14. PERMIT NO.  
API# 30 015 25312 Unknown

15. DATE SPUDDED  
6-25-85

16. DATE T.D. REACHED  
5-11-86

17. DATE COMPL. (Ready to prod.)  
5-19-86

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
2925.5' GR

19. ELEV. CASINGHEAD  
2925.5'

20. TOTAL DEPTH, MD & TVD  
12,650

21. PLUG, BACK T.D., MD & TVD  
-

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)\*  
12,420' to 12,429' (Atoka-Penn)

25. WAS DIRECTIONAL SURVEY MADE  
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Comp. Neutron Form Dens., Dual Induction

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 |
| 16"                                                | 65#             | 623'           |           | 450 HLC & 250 C1 C  | Circulated    |
| 10-3/4"                                            | 40.5# & 45.5#   | 2650'          | 14-3/4"   | 1175 HLC & 250 C1 C | Circulated    |
| 7-5/8"                                             | 26#             | 10500'         | 9-1/2"    | 600 HLC & 550 C1 H  | -             |

| 29. LINER RECORD |          |             |               |             | 30. TUBING RECORD |                |                 |
|------------------|----------|-------------|---------------|-------------|-------------------|----------------|-----------------|
| SIZE             | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE              | DEPTH SET (MD) | PACKER SET (MD) |
| 4-1/2"           | 10,184'  | 12,650'     | 425 C1 H      | -           | 2-3/8"            | 10,184         | PBR 10,184      |

| 31. PERFORATION RECORD (Interval, size and number) |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                                  |
|----------------------------------------------------|--|------------------------------------------------|----------------------------------|
| 12420 - 12429 (.39" 10)                            |  | DEPTH INTERVAL (MD)                            | AMOUNT AND KIND OF MATERIAL USED |
|                                                    |  | 12420-12429                                    | 2500 gals Morflo BC Acid         |
|                                                    |  |                                                |                                  |
|                                                    |  |                                                |                                  |
|                                                    |  |                                                |                                  |

33. PRODUCTION

DATE FIRST PRODUCTION  
5/19/86

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  
Flowing

WELL STATUS (Producing or shut-in)  
Shut-in

DATE OF TEST  
5/20/86

HOURS TESTED  
24

CHOKE SIZE  
13/64"

PROD'N. FOR TEST PERIOD  
0

OIL—BBL.  
0

GAS—MCF.  
1581

WATER—BBL.  
16

GAS-OIL RATIO  
0

FLOW. TUBING PRESS.  
1500#

CASING PRESSURE  
Sealed

CALCULATED 24-HOUR RATE  
0

OIL—BBL.  
0

GAS—MCF.  
1581

WATER—BBL.  
16

OIL GRAVITY-API (CORR.)  
-

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

TEST WITNESSED BY  
JUN 4 1986

35. LIST OF ATTACHMENTS  
Logs, Directional Survey

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

SIGNED Betty Gildon TITLE Regulatory Analyst DATE 5/22/86

\*(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. | GEOLOGIC MARKERS   |             |                  |
|-----------|-------|--------|-----------------------------|--------------------|-------------|------------------|
|           |       |        |                             | NAME               | MEAS. DEPTH | TRUE VERT. DEPTH |
|           | 0     | 625    | Surface rock and redbeds    | Delaware Sand      | 2867        |                  |
|           | 625   | 1675   | Salt                        | Cherry Canyon Mrkr | 3923        |                  |
|           | 1675  | 1995   | Salt & Lime                 | Bone Springs Lime  | 6632        |                  |
|           | 1995  | 2650   | Lime                        | 1st BS Sand        | 7543        |                  |
|           | 2650  | 3000   | Salt & Anhydrite            | 2nd BS Sand        | 9406        |                  |
|           | 3000  | 3679   | Anhy                        | Wolfcamp           | 9810        |                  |
|           | 3679  | 6735   | Sand, Shale                 | Grawn Lime         | 12200       |                  |
|           | 6735  | 10060  | Shale, Lime, Sand           | Atoka              | 12312       |                  |
|           | 10060 | 11233  | Shale, Lime                 | "A-3"              | 12348       |                  |
|           | 11233 | 11317  | Lime                        | "A-5"              | 12418       |                  |
|           | 11317 | 12246  | Shale, Lime                 | Atoka Bank         | 12438       |                  |
|           | 12246 | 12405  | Shale, Sand, Lime           | Atoka Carbonate    | 12478       |                  |
|           | 12405 | 12538  | Shale, Lime                 |                    |             |                  |