

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See instructions on  
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REGRV. ☐ Other \_\_\_\_\_

3. NAME OF OPERATOR

Harvey E. Yates Company

4. ADDRESS OF OPERATOR

P.O. Box 1933, Roswell, New Mexico 88202

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

At surface 990' FNL & 660' FEL

At top prod. interval reported below

At total depth same

14. PERMIT NO. 30-025-30330  
DATE ISSUED 2/7/89

6. LEASE DESIGNATION AND SERIAL NO.

NR-5080VED

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT, NAME 189

8. FARM OR LEASE NAME

ARCaviness 10 Federal

9. WELL NO.

#4

10. FIELD AND POOL, OR WILDCAT

Mescalero Escarpe Bone Spring

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

Sec. 10, T18S, R33E

12. COUNTY OR PARISH

Lea

13. STATE

NM

15. DATE SPUNDED 4/11/89  
16. DATE T.D. REACHED 5/3/89  
17. DATE COMPL. (Ready to prod.) 6/6/89  
18. ELEVATIONS (DF, RKB, RT, OR, ETC.)\* 4007.6 GL  
19. ELEV. CASINGHEAD 4007.6 GL

20. TOTAL DEPTH, MD & TVD 8864  
21. PLUG BACK T.D., MD & TVD 8826  
22. IF MULTIPLE COMPL., HOW MANY\*  
23. INTERVAL DRILLED BY  
ROTARY TOOLS All  
CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
8524-8686 Bone Spring  
25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DLL w/Micro & N-Dw/G-R  
27. WAS WELL CORRED  
No

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD      | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|-----------------------|---------------|
| 13 3/8      | 54.5            | 419            | 17 1/2    | 425 sks "C"           | Circ          |
| 8 5/8       | 32 & 24         | 3100           | 12 1/4    | 1100 filler & 310 "C" | Circ          |
| 5 1/2       | 17              | 8864           | 7 7/8     | 75 filler & 175 "H"   | TOC @ 7220    |

| 29. LINER RECORD |          |             |               |             | 30. TUBING RECORD |                |                 |
|------------------|----------|-------------|---------------|-------------|-------------------|----------------|-----------------|
| SIZE             | TOP (MD) | BOTTOM (MD) | BACKS CEMENT* | SCREEN (MD) | SIZE              | DEPTH SET (MD) | PACKER SET (MD) |
|                  |          |             |               |             | 2 3/8             | 8400           | 8405            |

31. PERFORATION RECORD (Interval, size and number)

8629-86 2 spf-16 holes

8524-30 2 spf

8555-85 2 spf

36 holes

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 8629-86             | 9100 gals 28%                    |
| 8524-85             | 14,000 gals 28%                  |

33. PRODUCTION

| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            |                         | WELL STATUS (Producing or shut-in) |  |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|-------------------------|------------------------------------|--|
| 6/3/89                |                 | flowing                                                              |                         |          |            |                         | producing                          |  |
| DATE OF TEST          | HOURS TESTED    | CHOKES SIZE                                                          | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO                      |  |
| 6/4/89                | 11              | 6/64                                                                 | →                       | 80       | 64         | 3                       | 800                                |  |
| FLOW, TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |                                    |  |
| 220                   | Ø               | →                                                                    | 175                     | 140      | 7          | 39                      |                                    |  |

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

sold

TEST WITNESSED BY

NM Young

35. LIST OF ATTACHMENTS

deviation survey & E-logs

SJS

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

SIGNED N.M. Young NM Young TITLE Drilling Superintendent

DATE 6/7/89

\*(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): |      |        |                             |  | 38. GEOLOGIC MARKERS |             |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-----------------------------|--|----------------------|-------------|------------------|
| FORMATION                                                                                                                                                                                                                                           | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC. |  | NAME                 | TOP         |                  |
|                                                                                                                                                                                                                                                     |      |        |                             |  |                      | MEAS. DEPTH | TRUE VERT. DEPTH |
| RdBd & Surf Rx                                                                                                                                                                                                                                      | 0    | 1600   |                             |  | Rustler              | 1588        | 1588             |
| Anhy & salt                                                                                                                                                                                                                                         | 1600 | 3050   |                             |  | Yates                | 3054        | 3054             |
| Dolo & sand                                                                                                                                                                                                                                         | 3050 | 5450   |                             |  | 7 Rivers             | 3478        | 3478             |
| Sand                                                                                                                                                                                                                                                | 5450 | 6350   |                             |  | Bowers               | 3965        | 3965             |
| Dolo & Lm                                                                                                                                                                                                                                           | 6350 | 7100   |                             |  | Queen                | 4230        | 4230             |
| Lime                                                                                                                                                                                                                                                | 7100 | 8050   |                             |  | Penrose              | 4476        | 4476             |
| Dolo                                                                                                                                                                                                                                                | 8050 | 8300   |                             |  | Grayburg             | 4757        | 4757             |
| Sand                                                                                                                                                                                                                                                | 8300 | 8400   |                             |  | San Andres           | 5114        | 5114             |
| Dolo                                                                                                                                                                                                                                                | 8400 | 8700   |                             |  | Delaware             | 5680        | 5680             |
| Sand                                                                                                                                                                                                                                                | 8700 | TD     |                             |  | Bone Spring          | 6325        | 6325             |
|                                                                                                                                                                                                                                                     |      |        |                             |  | TD                   | 8864        | 8864             |