NMOCD - Hobbs

Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NM-9018

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr.
Other Mill window and complete horizontally

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. Young Deep Unit

2. Name of Operator: Harvey E. Yates Company — Contact: Jen Serrano, E-Mail: jserrano@heyco.org

8. Lease Name and Well No. YOUNG DEEP UNIT #14

3. Address: PO BOX 1933, ROSWELL NM 88201 - 1933

3a. Phone No. (include area code): (505) 623-6601 ext 1219

9. API Well No. 30-025-29015

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

At surface: Unit B, 585' FNL & 2,055' FEL (NW NE)

At top prod interval reported below

At total depth: Unit E, 1,550' FNL & 760' FWL (SW NW)

10. Field and Pool, or Exploratory: North Young Bone Spring

11. Sec., T., R., M., or Block and Survey or Area: Sec 9 - T18S - R32E, NMPM

12. County or Parish: Lea County

13. State: NEW MEXICO

14. Date Spudded: 8/19/05 reentry, (11/5/1984 orig)

15. Date T.D. Reached: 10/23/2005

16. Date Completed ☐ D & A ☒ Ready to Prod.

17. Elevations (DF, KB, RT, GL)*: 3836' GL, 11.5' KB

18. Total Depth: MD 11,365' TVD 8,875'

19. Plug Back T.D.: MD TVD

20. Depth Bridge Plug Set: MD TVD

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

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

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" | 13 3/8" | 54.5# | 0' | 500' | | 400 sx | | Circ | |
| 11" | 8 5/8" J-55 | 32# | 0 | 2,667' | | 800 sx | | Circ | |
| 7 7/8" | 5 1/2" J-55 | 17# | 0 | 9,200' | | 1,830 sx | | 760' | |
| 4 3/4" | 3 1/2" P-110 | 9.3# | 8,012' | 11,365' | | 220 sx "H" | | 8,012' | circ 52 sx |
| | | | | | | | | | |
| | | | | | | | | | |

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" | 7958' | | | | | | | |

25. Producing Intervals / 26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---|---|---|---|---|---|---|
| N Young Bone Springs | 6084 | | 9300-9854', 10628-10632' and | | 34 | Open |
| | | | 11,080-11,084' | | 19 | Open |
| | | | | | | |
| | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|---|---|
| 9,300' - 11,084' overall (53 holes) | Frac w/3612 gals 20# linear gel, 4000 gals 15% HCL, 100128 gals Medallion 3500, 3150# Interprop 16/30, |
| | 122000# Carboprop 16/30, 27000# SuperDC 16/30 |
| | |
| | |

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 |
|---|---|---|---|---|---|---|---|---|---|
| 12/16/05 | 12/28/05 | 24 | → | 33 | 49 | 26 | | | Pumping |

| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status |
|---|---|---|---|---|---|---|---|---|
| | | | → | 33 | 49 | 26 | 1485 | Producing |

28a. 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. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status |
|---|---|---|---|---|---|---|---|---|
| | | | → | | | | | |

ACCEPTED FOR RECORD
JAN 25 2006
GARY GOURLEY
PETROLEUM ENGINEER

*(See Instructions and spaces for additional data on reverse side)*

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. | 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. | 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 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 |
|---|---|---|---|---|---|
| Red Bed | 0 | 665 | | Rustler | 1,165 |
| Red Bed & Anhy | 665 | 2,098 | | Cowden | 2,283 |
| Salt & Anhy | 2,098 | 2,945 | | Yates | 2,665 |
| Dolo & Li | 2,945 | 5,678 | | Seven Rivers | 3,100 |
| Dolo & Sand | 5,678 | 6,206 | | Bowers | 3,550 |
| Dolo & Li | 6,206 | 6,975 | | Queen | 3,810 |
| Li, Sh, & Ch | 6,975 | 8,675 | | Penrose | 4,050 |
| Sh & Dolo | 8,675 | 9,126 | | Grayburg | 4,330 |
| Dolo & Sd | 9,126 | 9,200 | | San Andres | 4,855 |
| | | | | Delaware Sand | 4,945 |
| | | | | Bone Spring LS | 6,070 |
| | | | | BSPG A Zone | 6,655 |
| | | | | BSPG 1st Sand | 7,850 |
| | | | | B-Zone | 8,080 |
| | | | | Kick Off Point | 8,200 |
| | | | | BSPG 2nd Sand | 8,565 |
| | | | | Base A Bench | 8,618 |
| | | | | Top B Bench | 8,657 |
| | | | | Top C Bench | 8,950 |
| | | | | 1st Horizontal Point | 9,297 |

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

☐ 1. Electrical/Mechanical Logs (1 full set req'd.) ☐ 2. Geologic Report ☐ 3. DST Report ☑ 4. Directional Survey

☐ 5. Sundry Notice for plugging and cement verification ☐ 6. Core Analysis ☐ 7 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*) Jeanetta Serrano Title Eng Tech

Signature Jeanetta Serrano Date 1/9/06

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 fradulent statements or representations as to any matter within its jurisdiction.