

| | |
|------------------------|----|
| NO. OF COPIES RECEIVED | 16 |
| DISTRIBUTION | |
| SANTA FE | |
| FILE | 1 |
| U.S.G.S. | 2 |
| LAND OFFICE | 1 |
| OPERATOR | |

Form C-105
Revised 11-1-76

RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG
APR 28 1977

| | |
|---|------------------------------|
| 5a. Indicate Type of Lease | |
| State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. | |
| B-7596 | |

| | |
|--|--|
| 1a. TYPE OF WELL | |
| OIL WELL <input type="checkbox"/> | GAS WELL <input checked="" type="checkbox"/> |
| b. TYPE OF COMPLETION | |
| NEW WELL <input checked="" type="checkbox"/> | WORK OVER <input type="checkbox"/> |
| DEEPEN <input type="checkbox"/> | PLUG BACK <input type="checkbox"/> |
| DIFF. RESVR. <input type="checkbox"/> | OTHER <input type="checkbox"/> |

| |
|------------------------|
| 7. Unit Agreement Name |
| Empire South Deep Unit |
| 8. Farm or Lease Name |

2. Name of Operator
Harvey E. Yates Co., Inc., Agent for Amoco Prod. Co. Unit Operator

9. Well No.
13

3. Address of Operator
Suite 1000 Security National Bank Building, Roswell, N.M. 88201

10. Field and Pool, or Wildcat
Unconquered - South
Empire Morrow

4. Location of Well
UNIT LETTER N LOCATED 1432 FEET FROM THE West LINE AND 660 FEET FROM

12. County
Eddy

THE South LINE OF SEC. 30 TWP. 17S RGE. 29E NMPM

15. Date Spudded 1-31-77 16. Date T.D. Reached 3-23-77 17. Date Compl. (Ready to Prod.) 4-7-77 18. Elevations (DF, RKB, RT, GR, etc.) 3646.0 GL

19. Elev. Casinghead

20. Total Depth 11,060' KB 21. Plug Back T.D. 10,960' KB 22. If Multiple Compl., How Many

23. Intervals Drilled By Rotary Tools 0-11,060 Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
Morrow - 10,665' - 10,677'

25. Was Directional Survey Made
Yes

26. Type Electric and Other Logs Run
Comp. Neutron Form. Density, Dual Laterolog M-SFL, Gamma Ray

27. Was Well Cored
No

| 28. CASING RECORD (Report all strings set in well) | | | | | |
|--|----------------|-----------|-----------|--------------------|---------------|
| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 12 3/4" | 34# | 327' | 15" | 250 Sx Cl C CC | |
| 8 5/8" | 24# & 28# | 2,900' | 11" | 1200 Sx Hal. Light | |
| 5 1/2" | 17# & 20# | 11,060' | 7 7/8" | 1200 Sx Class H | |

| 29. LINER RECORD | | | | 30. TUBING RECORD | | | |
|------------------|-----|--------|--------------|-------------------|--------|------------|------------|
| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET | PACKER SET |
| | | | | | 2 7/8" | 10,678.85' | 10,590.30' |

| | | | | | |
|---|--|--|--|--|-------------------------------|
| 31. Perforation Record (Interval, size and number) <u>10,665' - 10,677' 4 Shots Per Foot</u> | | | | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | |
| | | | | DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | | | | | |
|-----------------------|-----------------|---|-------------------------|------------|--------------|--------------------------------|-----------------|
| 33. PRODUCTION | | | | | | | |
| Date First Production | | Production Method (Flowing, gas lift, pumping - Size and type pump) | | | | Well Status (Prod. or Shut-in) | |
| Shut In | | Flowing | | | | SI - Wait on Pipeline | |
| Date of Test | Hours Tested | Choke Size | Prod'n. For Test Period | Oil - Bbl. | Gas - MCF | Water - Bbl. | Gas - Oil Ratio |
| 4-7-77 | /20 min. | 42/64" | | | | | |
| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API (Corr.) | |
| 400# | | | | 5,000 MCF | No Est. | | |

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Shut In - Waiting on Pipeline

Test Witnessed By
Jim O'Briant

35. List of Attachments
4 Point test will be taken into line at time of hook up

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED [Signature] TITLE Vice President DATE April 27, 1977