

Submit To Appropriate District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-105  
Revised March 25, 1999

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

WELL API NO. 30-015-31232  
5. Indicate Type of Lease  
STATE ☐ FEE ☒  
State Oil & Gas Lease No.

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 ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐  
2. Name of Operator: Harvey E. Yates Company ☒  
3. Address of Operator: P.O. Box 1933, Roswell, NM 88202 505-623-6601  
7. Lease Name or Unit Agreement Name: Loco Hills Welch  
8. Well No.: #5  
9. Pool name or Wildcat: Empire South Area

4. Well Location  
Unit Letter L : 1,450 Feet From The South Line and 660 Feet From The West Line  
Section 4 Township 18S Range 29E NMPM Eddy County  
10. Date Spudded: 8/26/00  
11. Date T.D. Reached: 10/08/2000  
12. Date Compl. (Ready to Prod.): 12/12/2000  
13. Elevations (DF& RKB, RT, GR, etc.): 3,525'  
14. Elev. Casinghead  
15. Total Depth: 11,200'  
16. Plug Back T.D.: 9,200'  
17. If Multiple Compl. How Many Zones?  
18. Intervals Drilled By: Rotary Tools Cable Tools  
19. Producing Interval(s), of this completion - Top, Bottom, Name: 9,131-9,160'  
20. Was Directional Survey Made: No  
21. Type Electric and Other Logs Run: LithoDensity CN; Azimuthal Laterolog  
22. Was Well Cored: No

23. CASING RECORD (Report all strings set in well)  
Casing Size Weight LB./FT. Depth Set Hole Size Cementing Record Amount Pulled  
13 3/8" 48#, H-40 400' 17 1/2" 575 sxs cmt Circ  
8 5/8" 32#, J-55 8,086' 12 1/4" 1,350 sxs cmt Circ  
5 1/2" 17#, N-80 11,200' 7 7/8" 1,300 sxs cmt Circ  
24. LINER RECORD  
Size Top Bottom Sacks Cement Screen  
2 7/8" 8,981'  
25. TUBING RECORD  
Size Depth Set Packer Set  
2 7/8" 8,981'  
26. Perforation record (interval, size, and number): Cisco 9,131-9,160' (2 jspf, 42 holes)  
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  
Depth Interval Amount and Kind Material Used  
9,131-9,160' 4,000 gals 15% NEFE Acid

28. PRODUCTION  
Date First Production: 12/15/2000  
Production Method (Flowing, gas lift, pumping - Size and type pump): Flowing  
Well Status (Prod. or Shut-in): Producing  
Date of Test: 12/16/2000  
Hours Tested: 24  
Choke Size: 74  
Prod'n For Test Period: 111  
Oil - Bbl.: 11  
Gas - MCF: 1500  
Flow Tubing Press.: 74  
Casing Pressure: 111  
Calculated 24-Hour Rate: 11  
Oil - Bbl.: 11  
Gas - MCF: 11  
Water - Bbl.: 11  
Oil Gravity - API - (Corr.): 11

29. Disposition of Gas (Sold, used for fuel, vented, etc.): Sold  
Test Witnessed By: Robert Griffin

30. List Attachments: Logs; Deviation Survey; C-102

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

Signature: Dianna Rodgers  
Printed Name: Dianna Rodgers  
Title: Production Analyst  
Date: 12/29/2000