

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

DEC 27 1979

|                        |   |
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6a. Lease Type of Lease  
 State  Fee   
 6b. State of Gas Lease No.

1. TYPE OF WELL *BM 1*

2. TYPE OF COMPLETION  
 OIL WELL  GAS WELL  DRY  OTHER   
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RECVR.  OTHER

7. Well Agreement Name  
 8. Name of Lessee Name  
**Loco Hills Welch**  
 9. Well No.  
**2**  
 10. Field or Field, or Well Unit  
**S. Empire Morrow**

Harvey E. Yates Company  
 P. O. Box 1933, Roswell, N. M. 88201

3. DATE OF WELL *N* LOCATED *1980* FEET FROM THE *West* LINE AND *660* FEET FROM

4. SECTION *South* USE OF SEC. *4* TWP. *18S* RGE. *29E* NEPMN

|                                     |  |   |   |                           |
|-------------------------------------|--|---|---|---------------------------|
| 11. Date Spudded<br><b>10-18-79</b> | 12. Date T.D. Reached<br><b>11-23-79</b> | 13. Date Comp. L. (Ready to Prod.)<br><b>12-13-79</b> | 14. Flowing Int. (DF, RKB, FT, GR, etc.)<br><b>3521.2' GL</b> | 15. Flow. (shut-in) prod. |
| 16. Total Depth<br><b>11,430'</b>   | 17. Plug Back T.D.<br><b>11,371'</b>     | 18. If Multiple Comp. L., How Many                    | 19. Intervals Drilled By<br><b>0'-11,430'</b>                 | 20. Rotary Tools          |

21. Production Interval (top, bottom, none)  
**10,896' - 10,910' Morrow**

22. Type Electric and/or other Logging  
**Densilog-Neutron; Dual-MicroLaterlog; GR-Depth Control**

23. Was Directional Survey Made  
**No**

24. Was Well Cased  
**No**

CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LBS. FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD      | AMOUNT PULLED |
|-------------|-----------------|-----------|-----------|-----------------------|---------------|
| 13 3/8"     | 54#             | 360'      | 17 1/2"   | 350 Sx Cl C w/2% CaCl | None          |
| 8 5/8"      | 24#, 28#        | 2905'     | 11"       | 900 Sx                | None          |
| 5 1/2"      | 17#             | 11,425'   | 7 7/8"    | 1000 Sx               | None          |

| LINER RECORD |     |        |              | TUBING RECORD |        |           |            |
|--------------|-----|--------|--------------|---------------|--------|-----------|------------|
| SIZE         | TOP | BOTTOM | SACKS CEMENT | SCREEN        | SIZE   | DEPTH SET | PACKER SET |
|              |     |        |              |               | 2 7/8" | 10,913'   | 10,862'    |

|   |  |                               |
|---|--|-------------------------------|
| 26. Production Interval (Interval, size and number)<br><b>10,896' - 10,910' - 56 1/2" dia holes</b> | 27. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                               |
|   | DEPTH INTERVAL<br><b>None</b>                  | AMOUNT AND KIND MATERIAL USED |

28. PRODUCTION

|  |   |   |   |                             |                             |   |                    |
|--|---|---|---|-----------------------------|-----------------------------|---|--------------------|
| 29. Date First Production<br><b>12-13-79</b> | 30. Production Method (Flowing, gas lift, pumping - size and type pump)<br><b>Flowing</b> | 31. Well Status (Prod. or Shut-in)<br><b>SI</b> |   |                             |                             |   |                    |
| 32. Date of Test<br><b>12-14-79</b>          | 33. Hours Tested<br><b>1</b>  | 34. Ck. Size<br><b>24/64"</b>                   | 35. Prod'n. Per Test Period<br><b>Trace</b> | 36. Oil - BBL<br><b>131</b> | 37. Gas - MCF<br><b>0</b>   | 38. Water - BBL<br><b>0</b>                       | 39. Gm - Oil Ratio |
| 40. Flow Turning Pressure<br><b>915</b>      | 41. Minimum Pressure<br><b>0</b>  | 42. Calculated 4-Hour Rate<br><b>est. 5</b>     | 43. Oil - BBL<br><b>3155</b>                | 44. Gas - MCF<br><b>0</b>   | 45. Water - BBL<br><b>0</b> | 46. Oil Gravity - API (Corr.)<br><b>55° - API</b> |                    |

47. Disposition of Gas (Sold, used for fuel, vented, etc.)  
 Test Witnessed By

48. List of Attachments

49. 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 *Paul Hardie* TITLE **Engineer** DATE **12-21-79**

INSTRUCTIONS

This form is to be filed with the appropriate office of the Department not later than \_\_\_\_\_ days after the completion of any newly-drilled or deepened well. It shall be a summary of all elements of mineral activity, including a summary of all special tests conducted, including salinity tests. All data reported shall be in metric units. In the case of irregularly drilled wells, true vertical depths shall also be reported. For multiple completions, depths or thicknesses shall be reported for each zone. This form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 12.5.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

|                           |                           |                             |                         |
|---------------------------|---------------------------|-----------------------------|-------------------------|
| T. Anhy _____             | T. Canyon _____ 9812'     | T. Ojo Alamo _____          | T. Penn. "B" _____      |
| T. Salt _____             | T. Strawn _____ 10022'    | T. Kirtland Fruitland _____ | T. Penn. "C" _____      |
| B. Salt _____             | T. Atoka _____ 10324'     | T. Pictured Cliffs _____    | T. Penn. "D" _____      |
| T. Yates _____ 1015'      | T. Miss _____             | T. Cliff House _____        | T. Leadville _____      |
| T. 7 Rivers _____ 1325'   | T. Devonian _____         | T. Menace _____             | T. Madison _____        |
| T. Queen _____ 2018'      | T. Silurian _____         | T. Point Lookout _____      | T. Ellbert _____        |
| T. Grayburg _____ 2380'   | T. Montoya _____          | T. Mancos _____             | T. McCracken _____      |
| T. San Andres _____ 2830' | T. Simpson _____          | T. Gallup _____             | T. Ignacio Quartz _____ |
| T. Glorieta _____         | T. McKee _____            | Base Greenhorn _____        | T. Granite _____        |
| T. Paddock _____          | T. Ellenburger _____      | T. Dakota _____             | T. _____                |
| T. Blinberry _____        | T. Gr. Wash _____         | T. Morrison _____           | T. _____                |
| T. Tubb _____             | T. Granite _____          | T. Todilto _____            | T. _____                |
| T. Drinkard _____         | T. Delaware Sand _____    | T. Entrada _____            | T. _____                |
| T. Abo _____              | T. Bone Springs 1st 6016' | T. Wingate _____            | T. _____                |
| T. Wolfcamp _____ 7988'   | T. Bone Sps 2nd 6830'     | T. Chinle _____             | T. _____                |
| T. Penn. _____ 9550'      | T. Bone Sps 3rd 7778'     | T. Pennian _____            | T. _____                |
| T. Cisco (Bouh C) _____   | T. Mor Clastics 10724'    | T. Penn. "A" _____          | T. _____                |
| T. Chester _____ 11403'   | Lo-Morrow 10954'          |                             |                         |

OIL OR GAS SANDS OR ZONES

|                              |                            |
|------------------------------|----------------------------|
| No. 1, from 10896' to 10910' | No. 4, from _____ to _____ |
| No. 2, from _____ to _____   | No. 5, from _____ to _____ |
| No. 3, from _____ to _____   | No. 6, from _____ to _____ |

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

|                            |             |
|----------------------------|-------------|
| No. 1, from _____ to _____ | feet. _____ |
| No. 2, from _____ to _____ | feet. _____ |
| No. 3, from _____ to _____ | feet. _____ |
| No. 4, from _____ to _____ | feet. _____ |

FORMATION RECORD (Attach additional sheets if necessary)

| From  | To    | Thickness in Feet | Formation             | From | To | Thickness in Feet | Formation |
|-------|-------|-------------------|-----------------------|------|----|-------------------|-----------|
| 0     | 360   | 360               | Surface rock          |      |    |                   |           |
| 360   | 1550  | 1190              | Anhy                  |      |    |                   |           |
| 1550  | 2625  | 1075              | Anhy & lime           |      |    |                   |           |
| 2625  | 5310  | 2685              | Lime                  |      |    |                   |           |
| 5310  | 10802 | 5492              | Lime & shale          |      |    |                   |           |
| 10802 | 10930 | 128               | Lime, shale and chert |      |    |                   |           |
| 10930 | 11058 | 128               | Lime and shale        |      |    |                   |           |
| 11058 | 11148 | 90                | Shale                 |      |    |                   |           |
| 11148 | 11335 | 187               | Lime and shale        |      |    |                   |           |
| 11335 | 11430 | 95                | Shale                 |      |    |                   |           |