

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

Form C-105  
Revised 10-1-78

RECEIVED BY  
OIL CONSERVATION DIVISION  
JAN 9 1985  
O. BOX 2088  
SANTA FE, NEW MEXICO 87501  
O. C. D.  
ARTESIA, NM  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                        |                                     |
|------------------------|-------------------------------------|
| NO. OF COPIES RECEIVED |                                     |
| DISTRIBUTION           |                                     |
| SANTA FE               | <input checked="" type="checkbox"/> |
| FILE                   | <input checked="" type="checkbox"/> |
| U.S.G.S.               | <input checked="" type="checkbox"/> |
| LAND OFFICE            | <input checked="" type="checkbox"/> |
| OPERATOR               | <input checked="" type="checkbox"/> |

|                                                                        |
|------------------------------------------------------------------------|
| 5a. Indicate Type of Lease                                             |
| State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.                                           |
| LG 2351                                                                |

|                       |                                              |                                              |                                       |                                    |
|-----------------------|----------------------------------------------|----------------------------------------------|---------------------------------------|------------------------------------|
| 1a. TYPE OF WELL      | OIL WELL <input checked="" type="checkbox"/> | GAS WELL <input checked="" type="checkbox"/> | DRY <input type="checkbox"/>          | OTHER <input 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 |
| 8. Farm or Lease Name  |
| Tanque Rojo AAT State  |

2. Name of Operator

Yates Petroleum Corporation

3. Address of Operator

207 South 4th St., Artesia, NM 88210

4. Location of Well

UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM

THE East LINE OF SEC. 11 TWP. 19S RGE. 23E HMPM

|                                |
|--------------------------------|
| 9. Well No.                    |
| 1                              |
| 10. Field and Pool, or Wildcat |
| Unders. Morrow                 |
| HOAG TANK - MORROW             |

|            |
|------------|
| 12. County |
| Eddy       |

|                  |                       |                                  |                                        |                      |
|------------------|-----------------------|----------------------------------|----------------------------------------|----------------------|
| 15. Date Spudded | 16. Date T.D. Reached | 17. Date Compl. (Ready to Prod.) | 18. Elevations (DF, RKB, RT, GR, etc.) | 19. Elev. Casinghead |
| 10-30-84         | 12-14-84              | 1-6-85                           | 3905' GR                               |                      |

|                 |                    |                                  |                          |              |             |
|-----------------|--------------------|----------------------------------|--------------------------|--------------|-------------|
| 20. Total Depth | 21. Plug Back T.D. | 22. If Multiple Compl., How Many | 23. Intervals Drilled By | Rotary Tools | Cable Tools |
| 8393'           | 8327'              |                                  |                          | 0-8393'      |             |

|                                                                   |                                 |
|-------------------------------------------------------------------|---------------------------------|
| 24. Producing Interval(s), of this completion - Top, Bottom, Name | 25. Was Directional Survey Made |
| 8131-41' Morrow                                                   | No                              |

|                                      |                    |
|--------------------------------------|--------------------|
| 26. Type Electric and Other Logs Run | 27. Was Well Cored |
| CNL/FDC; DLL                         | No                 |

| CASING RECORD (Report all strings set in well) |                |           |           |                  |               |
|------------------------------------------------|----------------|-----------|-----------|------------------|---------------|
| CASING SIZE                                    | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 20"                                            |                | 30'       | 26"       |                  |               |
| 13-3/8"                                        | 54.5#          | 252'      | 17-1/2"   | 300 sx           |               |
| 8-5/8"                                         | 24#            | 1562'     | 12-1/4"   | 1100 sx          |               |
| 4-1/2"                                         | 10.5-11.6#     | 8393'     | 7-7/8"    | 900 sx           |               |

| LINER RECORD |     |        |              |        | TUBING RECORD |           |            |
|--------------|-----|--------|--------------|--------|---------------|-----------|------------|
| SIZE         | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE          | DEPTH SET | PACKER SET |
|              |     |        |              |        | 2-3/8"        | 8088'     | 8088'      |

|                                                    |                                                                                                                        |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 31. Perforation Record (Interval, size and number) | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                         |
| 8131-41' w/20 .40" Holes (2 SPF)                   | DEPTH INTERVAL                                                                                                         |
|                                                    | AMOUNT AND KIND MATERIAL USED                                                                                          |
|                                                    | 8131-41' w/1500 g. 7 1/2% acid, N2 + ball sealers. SF w/1000g. 7 1/2% acid, CO2, 20000 g. gel fluid + 23500# 20/40 sd. |

|                       |                 |                                                                     |                         |            |              |                                |                 |
|-----------------------|-----------------|---------------------------------------------------------------------|-------------------------|------------|--------------|--------------------------------|-----------------|
| 33. PRODUCTION        |                 |                                                                     |                         |            |              |                                |                 |
| Date First Production |                 | Production Method (Flowing, gas lift, pumping - Size and type pump) |                         |            |              | Well Status (Prod. or Shut-in) |                 |
| 1-6-85                |                 | Flowing                                                             |                         |            |              | SIWOPLC                        |                 |
| Date of Test          | Hours Tested    | Choke Size                                                          | Prod'n. For Test Period | Oil - Bbl. | Gas - MCF    | Water - Bbl.                   | Gas - Oil Ratio |
| 1-6-85                | 4               | 3/8"                                                                |                         | -          | 170          | -                              | -               |
| Flow Tubing Press.    | Casing Pressure | Calculated 24-Hour Rate                                             | Oil - Bbl.              | Gas - MCF  | Water - Bbl. | Oil Gravity - API (Corr.)      |                 |
| 290                   | PKR             |                                                                     | -                       | 1022       | -            | -                              |                 |

|                                                            |                   |
|------------------------------------------------------------|-------------------|
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.) | Test Witnessed By |
| Vented - Will be sold                                      | Harvey Apple      |

|                         |
|-------------------------|
| 35. List of Attachments |
| Deviation Survey        |

|                                                                                                                                         |                                    |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------|
| 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 <u>Francis Doodlett</u>                                                                                                          | TITLE <u>Production Supervisor</u> | DATE <u>1-8-85</u> |

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity log run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico |                        |      | Northwestern New Mexico |                   |  |
|-------------------------|------------------------|------|-------------------------|-------------------|--|
| T. Anhy                 | T. Canyon              | 7000 | T. Ojo Alamo            | T. Penn. "B"      |  |
| T. Salt                 | T. Strawn              | 7568 | T. Kirtland-Fruitland   | T. Penn. "C"      |  |
| B. Salt                 | T. Atoka               | 7772 | T. Pictured Cliffs      | T. Penn. "D"      |  |
| T. Yates                | T. Miss                |      | T. Cliff House          | T. Leadville      |  |
| T. 7 Rivers             | T. Devonian            |      | T. Menefee              | T. Madison        |  |
| T. Queen                | T. Silurian            |      | T. Point Lookout        | T. Elbert         |  |
| T. Grayburg             | T. Montoya             |      | T. Mancos               | T. McCracken      |  |
| T. San Andres 238       | T. Simpson             |      | T. Gallup               | T. Ignacio Qtzite |  |
| 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 2950            | T. Granite             |      | T. Todilto              | T.                |  |
| T. Drinkard             | T. Delaware Sand       |      | T. Entrada              | T.                |  |
| T. Abo 3614             | T. Bone Springs        |      | T. Wingate              | T.                |  |
| T. Wolfcamp 4690        | T. Morrow Clastic 8124 |      | T. Chinle               | T.                |  |
| T. Penn.                | T. Chester 8308        |      | T. Permian              | T.                |  |
| T. Cisco (Bough C) 6021 | T.                     |      | T. Penn. "A"            | T.                |  |

## OIL OR GAS SANDS OR ZONES

|                         |                         |
|-------------------------|-------------------------|
| No. 1, from.....to..... | 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    | 252  | 252               | Surface               |      |    |                   |           |
| 252  | 340  | 88                | Sand                  |      |    |                   |           |
| 340  | 640  | 300               | Anhydrite, Dolomite   |      |    |                   |           |
| 640  | 921  | 281               | Sand, Anhydrite       |      |    |                   |           |
| 921  | 1610 | 689               | Anhydrite             |      |    |                   |           |
| 1610 | 2220 | 610               | Anhydrite, Dolomite   |      |    |                   |           |
| 2220 | 2670 | 450               | Dolomite, Sand        |      |    |                   |           |
| 2670 | 3000 | 330               | Dolomite              |      |    |                   |           |
| 3000 | 3070 | 70                | Sand, Dolomite        |      |    |                   |           |
| 3070 | 3620 | 550               | Dolomite              |      |    |                   |           |
| 3620 | 4680 | 1060              | Dolomite, Shale       |      |    |                   |           |
| 4680 | 4820 | 140               | Lime, Shale, Dolomite |      |    |                   |           |
| 4820 | 5450 | 630               | Shale, Lime           |      |    |                   |           |
| 5450 | 8280 | 2830              | Lime, Shale, Sand     |      |    |                   |           |
| 8280 | 8393 | 113               | Shale, Lime           |      |    |                   |           |

INCLINATION REPORT

OPERATOR Yates Petroleum Corp. ADDRESS 207 South 4th Street  
Artesia, New Mexico 88210

LEASE Tanque Rojo AAT State WELL NO. #1 FIELD \_\_\_\_\_

LOCATION Sec. 11-19S-23E, Eddy County, New Mexico

| DEPTH  | INCLINATION<br>DEGREE | DISPLACEMENT | DISPLACEMENT<br>ACCUMULATED |
|--------|-----------------------|--------------|-----------------------------|
| 200'   | 1/2°                  | 1.74         | 1.74                        |
| 500'   | 1/2°                  | 2.61         | 4.35                        |
| 765'   | 1°                    | 4.64         | 8.99                        |
| 1,260' | 1-3/4°                | 15.10        | 24.09                       |
| 1,562' | 1-3/4°                | 9.21         | 33.30                       |
| 1,774' | 3/4°                  | 2.78         | 36.08                       |
| 1,994' | 3/4°                  | 2.88         | 38.96                       |
| 2,430' | 3/4°                  | 5.71         | 44.67                       |
| 2,925' | 3/4°                  | 6.48         | 51.15                       |
| 3,420' | 1/4°                  | 2.18         | 53.33                       |
| 3,915' | 0°                    | 0            | 53.33                       |
| 4,350' | 3/4°                  | 5.70         | 59.03                       |
| 4,866' | 3/4°                  | 6.76         | 65.79                       |
| 5,357' | 3/4°                  | 6.43         | 72.22                       |
| 6,040' | 1/2°                  | 5.94         | 78.16                       |
| 6,602' | 1/2°                  | 4.89         | 83.05                       |
| 7,240' | 1°                    | 11.16        | 94.21                       |
| 7,740' | 1°                    | 8.75         | 102.96                      |
| 8,390' | 1/4°                  | 2.86         | 105.82                      |

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

Exeter Drilling Company

By: \_\_\_\_\_

Title: R. W. Sitton, Senior Vice President

**Affidavit:**

Before me, the undersigned authority, appeared R. W. Sitton  
known to me to be the person whose name is subscribed herebelow, who on making deposition, under oath states that he is acting for and in behalf of the operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

\_\_\_\_\_  
Affiant's Signature

Sworn and subscribed to in my presence on this the 19th day of December, 1984.

Don H. Oldham  
Notary Public for State of Colorado

My Commission Expires:

February 22, 1986