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Form C-105  
Revised 1-1-65

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

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

|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------|--|
| 1a. TYPE OF WELL                                                                                                                                                                                                                                                                                                                                         |  |                                                                                    |  |                                                |  | 7. Unit Agreement Name                                                                                              |  |
| b. TYPE OF COMPLETION<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____<br>NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____ |  |                                                                                    |  |                                                |  | 8. Farm or Lease Name<br>Clyde Berlier                                                                              |  |
| 2. Name of Operator<br>Brooks Exploration Incorporated                                                                                                                                                                                                                                                                                                   |  |                                                                                    |  |                                                |  | 9. Well No.<br>2                                                                                                    |  |
| 3. Address of Operator<br>2110 Western Federal Savings Building, Denver, Colorado 80202                                                                                                                                                                                                                                                                  |  |                                                                                    |  |                                                |  | 10. Field and Pool, or Wildcat                                                                                      |  |
| 4. Location of Well                                                                                                                                                                                                                                                                                                                                      |  |                                                                                    |  |                                                |  | 12. County                                                                                                          |  |
| UNIT LETTER <u>A</u> LOCATED <u>990</u> FEET FROM THE <u>North</u> LINE AND <u>990</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>23</u> TWP. <u>21</u> N RGE. <u>21</u> E NMPM                                                                                                                                                                           |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
| 15. Date Spudded<br>10-22-76                                                                                                                                                                                                                                                                                                                             |  | 16. Date T.D. Reached<br>10-24-76                                                  |  | 17. Date Compl. (Ready to Prod.)<br>11-4-76    |  | 18. Elevations (DF, RKB, RT, GR, etc.)<br>6200 GR. (est.)                                                           |  |
| 19. Elev. Casinghead<br>6202'                                                                                                                                                                                                                                                                                                                            |  | 20. Total Depth<br>844'                                                            |  | 21. Plug Back T.D.<br>794'                     |  | 22. If Multiple Compl., How Many                                                                                    |  |
| 23. Intervals Drilled By<br>Rotary Tools<br>Air-All                                                                                                                                                                                                                                                                                                      |  |                                                                                    |  |                                                |  | 24. Producing Interval(s), of this completion - Top, Bottom, Name<br>468-517' Morrison Sand, 580-615' Morrison Sand |  |
| 25. Was Directional Survey Made<br>No                                                                                                                                                                                                                                                                                                                    |  |                                                                                    |  |                                                |  | 26. Type Electric and Other Logs Run<br>Dual Ind., FOC-GR, Continuous Flow Survey                                   |  |
| 27. Was Well Cored<br>No                                                                                                                                                                                                                                                                                                                                 |  |                                                                                    |  |                                                |  | 28. CASING RECORD (Report all strings set in well)                                                                  |  |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                              |  | WEIGHT LB./FT.                                                                     |  | DEPTH SET                                      |  | HOLE SIZE                                                                                                           |  |
| No additional                                                                                                                                                                                                                                                                                                                                            |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
| 29. LINER RECORD                                                                                                                                                                                                                                                                                                                                         |  |                                                                                    |  | 30. TUBING RECORD                              |  |                                                                                                                     |  |
| SIZE                                                                                                                                                                                                                                                                                                                                                     |  | TOP                                                                                |  | BOTTOM                                         |  | SACKS CEMENT                                                                                                        |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
| 31. Perforation Record (Interval, size and number)<br>Open Hole<br>358 - 614'                                                                                                                                                                                                                                                                            |  |                                                                                    |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |  |                                                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  | DEPTH INTERVAL                                 |  | AMOUNT AND KIND MATERIAL USED                                                                                       |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  | 648'                                           |  | Open hole bridge plug.                                                                                              |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  | 614-648'                                       |  | Gravel pack.                                                                                                        |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  | 405-614'                                       |  | 485 qts. Nitro (See Report)                                                                                         |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
| 33. PRODUCTION                                                                                                                                                                                                                                                                                                                                           |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
| Date First Production<br>11-4-76                                                                                                                                                                                                                                                                                                                         |  | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Flowing Gas |  |                                                |  | Well Status (Prod. or Shut-in)<br>Prod.                                                                             |  |
| Date of Test                                                                                                                                                                                                                                                                                                                                             |  | Hours Tested                                                                       |  | Choke Size                                     |  | Prod'n. For Test Period                                                                                             |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
| Flow Tubing Press.<br>1.9#                                                                                                                                                                                                                                                                                                                               |  | Casing Pressure<br>2.8#                                                            |  | Calculated 24-Hour Rate                        |  | Oil - Bbl.<br>200                                                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>Sold                                                                                                                                                                                                                                                                                       |  |                                                                                    |  |                                                |  | Test Witnessed By                                                                                                   |  |
| 35. List of Attachments<br>Well work-over Report, Gas Analysis, Diagrammatic Sketch                                                                                                                                                                                                                                                                      |  |                                                                                    |  |                                                |  |                                                                                                                     |  |
| 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>B. Brooks</u>                                                                                                                                                                                                                                                                                                                                  |  | TITLE <u>President</u>                                                             |  |                                                |  | DATE <u>1-24-78</u>                                                                                                 |  |

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 logs 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 quintuplicate 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 _____        | T. Ojo Alamo _____          | T. Penn. "B" _____     |
| T. Salt _____            | T. Strawn _____        | T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| B. Salt _____            | T. Atoka _____         | 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 _____      | T. Simpson _____       | T. Gallup _____             | T. Ignacio Qtzte _____ |
| T. Glorieta _____        | T. McKee _____         | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock _____         | T. Ellenburger _____   | T. Dakota _____             | T. _____               |
| T. Hlinebry _____        | 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 _____  | T. Wingate _____            | T. _____               |
| T. Wolfcamp _____        | T. _____               | T. Chinle _____             | T. _____               |
| T. Penn. _____           | T. _____               | T. Permian _____            | T. _____               |
| T. Cisco (Bough C) _____ | T. _____               | T. Penn. "A" _____          | T. _____               |

FORMATION RECORD (Attach additional sheets if necessary)

| From | To  | Thickness<br>in Feet | Formation | From | To | Thickness<br>in Feet | Formation |
|------|-----|----------------------|-----------|------|----|----------------------|-----------|
| 380  | 447 | 67                   | Dakota    |      |    |                      |           |
| 447  | 769 | 322                  | Morrison  |      |    |                      |           |
| 769  | 796 | 27                   | Todilto   |      |    |                      |           |
| 796  | 828 | 32                   | Shale (?) |      |    |                      |           |
| 828  | 844 | 16                   | Entrada   |      |    |                      |           |

BROOKS EXPLORATION INC.

BERLIER NO. 2-A

WELL WORKOVER REPORT

DAILY DRILLING REPORT

- 10-22-76: Spot rig over well, rig up drilling head and blooie line, go in hole w/6¼" bit. Ran 6¼" bit to TD 390 ft., no fillup. Drill to 434 ft. shut well in.
- 10-23-76: Drill to 770 ft., increase in gas @ blooie line.
- 10-24-76: Drill to new TD 844 ft. Started making water @ 830 ft., well making 3 GPM water @ 844 ft. Pull drill pipe.
- 10-25-76: Rig up Schlumberger to run logs. Trouble w/tools. Fluid level @ 692 ft.
- 10-26-76: Work on logging tools. Finished logging well. Shut well in.

ELECTRIC LOG TOPS

|              |         |
|--------------|---------|
| Morrison     | 466 ft. |
| Todilto Lime | 780 ft. |
| Entrada      | 828 ft. |

- 10-29-76: Go in hole w/6¼" bit, fluid @ 692 ft. no cavings.
- 10-30-76: Rig up GO International. Plug back to 794 ft. w/ dump bailer. Plug back w/neat cement w/2% Cacl. Shut well in WOC.
- 10-31-76: Ran continuous flow survey. Shut well in.
- 11-1-76: Ran temperature survey. Shut well in.
- 11-3-76: Rig up Texas Torpedo Co., set open hole BP @ 648 ft. Gravel to 614 ft. Place 110 qts. Nitro-Glycerin 614' - 580', 90 qts. loaded anchor 580' - 520', 160 qts. 520' - 470', 35 qts loaded anchor 470' - 445', 90 qts. 445' - 405'. Gravel to 294 ft. Shot @ 5:05 P.M., Shot containal.
- 11-4-76: Cleaned well out to 615 ft., good gas blow at blooie line. Rigged down, hook up well into flow line.

6200  
830  
15370

# THURMOND-McGLOTHLIN, INC.

NOV 1 - 1976

Analytical Laboratory

BOX 1698

PHONE 806/665-5792 or 665-5700  
PAMPA, TEXAS 79065

## FRACTIONAL ANALYSIS RESULTS SUMMARY

### PERCENTAGE COMPOSITION

|                |     | Mol % | GPM    | Liquid<br>Volume % |
|----------------|-----|-------|--------|--------------------|
| Helium         |     | 0.19  |        |                    |
| Carbon Dioxide |     | 0.30  |        |                    |
| Nitrogen       |     | 22.90 |        |                    |
| Oxygen         |     | 0.00  |        |                    |
| Methane        | C1  | 76.57 | 12.937 |                    |
| Ethane         | C2  | 0.04  | 0.010  |                    |
| Propane        | C3  | 0.00  | 0.000  |                    |
| Iso-Butane     | C4  | 0.00  | 0.000  |                    |
| N-Butane       | nC4 | 0.00  | 0.000  |                    |
| Iso-Pentane    | iC5 | 0.00  | 0.000  |                    |
| N-Pentane      | nC5 | 0.00  | 0.000  |                    |
| Hexanes        | C6  | 0.00  | 0.000  |                    |
|                |     |       |        |                    |
|                |     |       |        |                    |
|                |     |       |        |                    |
|                |     |       |        |                    |
|                |     |       |        |                    |
|                |     |       |        |                    |
|                |     |       |        |                    |
|                |     |       |        |                    |
|                |     |       |        |                    |

### SAMPLE IDENTIFICATION

Date of Run OCT 29

Company RATON NATURAL GAS CO

Plant or  
Lease BERLIER NO 2

Sample of GAS

Pressure 3 PSIG

Temperature \_\_\_\_\_ Atmos \_\_\_\_\_

TM 850

Gas ( ) Liquid ( ) Oil ( )

Secured By GH Date 10-27-76

Analysis Performed for \_\_\_\_\_

Results of Analysis to:

RATON NATURAL GA

### GASOLINE CONTENT

GPM

Based on Analysis

Pentanes and Heavier 0.000

Butanes and Heavier 0.000

C3 & HEAVIER 0.000

### HEATING VALUE

B T U

Calorimeter \_\_\_\_\_

Calculated 761 WATER SAT.; 14.696 PSIA & 60 F

### SPECIFIC GRAVITY

Measured \_\_\_\_\_

Calculated 0.651

REMARKS \_\_\_\_\_

Analysis By: M ENLOE