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NEW MEXICO OIL CONSERVATION COMMISSION

11 1977

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

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

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

|  |  |   |
|--|--|---|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- waiting to complete                                 |  | 7. Unit Agreement Name                            |
| 2. Name of Operator<br>W. E. Bakke Jr.   |  | 8. Farm or Lease Name<br>Darwin Daniels           |
| 3. Address of Operator<br>719 Republic Bldg., 1612 Tremont, Denver, Colorado 80202   |  | 9. Well No.<br>4                                  |
| 4. Location of Well<br>UNIT LETTER N, 1980 FEET FROM THE West LINE AND 660 FEET FROM THE South LINE, SECTION 11 TOWNSHIP 21N RANGE 21E NMPM. |  | 10. Field and Pool, or Wildcat<br>Wagon Mound D/M |
| 15. Elevation (Show whether DF, RT, GR, etc.)<br>6220 GR   |  | 12. County<br>Mora                                |

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

|  |  |   |   |
|--|--|---|---|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/>          | REMEDIAL WORK <input type="checkbox"/>              | ALTERING CASING <input type="checkbox"/>      |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>              | COMMENCE DRILLING OPNS. <input type="checkbox"/>    | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>  | OTHER complete <input checked="" type="checkbox"/> | CASING TEST AND CEMENT JOB <input type="checkbox"/> | OTHER <input type="checkbox"/>                |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

SEE ATTACHED REPORT - logs to follow upon receipt from Schlumberger.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED E. C. Bandholt TITLE Consultant DATE October 4, 1977

APPROVED BY Carl Ulvay TITLE SENIOR PETROLEUM GEOLOGIST DATE 10/13/77  
CONDITIONS OF APPROVAL, IF ANY:

**E. C. BARNHOLT**

PETROLEUM ENGINEER  
903 REPUBLIC BUILDING  
1612 TREMONT PLACE  
DENVER, COLORADO 80202

OFFICE 303/534-4437

222-0050

11 1977  
HOME 303/733-1120

W. E. BAKKE, JR.

WELL SUMMARY

STATE: New Mexico

COUNTY: Mora

LEASE &  
WELL NO. Darwin Daniels No. 4

LOCATION: SE/4 SW/4 Section 11-T21N-R21E

ELEVATION: 6220' GL

DATE SPUDDED: September 10, 1977

CONDUCTOR HOLE SIZE: 13-3/4" DEPTH: 44 ft.

CONDUCTOR SIZE: 10-3/4" AMOUNT: 44 ft.

SIZE HOLE BELOW CONDUCTOR: 8-3/4" to 603 ft.

PRODUCTION CASING SIZE: 7" 29 lb. 3000 psi test to 571 ft.

CEMENTED WITH: Bottom stage 20 sacks Class H w/12-1/2 lbs. Gilsonite per sack; top stage 35 sacks Class H

SIZE HOLE BELOW PRODUCTION CASING: 6-1/8" to 673 ft. PBD 608 ft.

STIMULATION: 40 quarts Nitro

SEP 11 1977

# DAILY DRILLING REPORT

- 9/10/77 Rig up, drill 6-1/4" pilot hole to 40 ft. Ream pilot hole to 13-3/4", drill 13-3/4" hole to 44 ft. Set 44 ft. 10-3/4" conductor.
- 9/11/77 Sunday, shut down.
- 9/12/77 Drilled ahead to 320 ft.
- 9/13/77 Drilled ahead to 510 ft. , rigged up new compressor.
- 9/14/77 Drilled ahead to 603 ft., estimated 180 ft. water in hole, good gas burn ahead of fluid when well was blown down.
- 9/15/77 Ran 7" casing to 571 ft. casing equipped with Halliburton guide shoe, 1 basket on top of guide shoe, 1 centralizer on top of btm. jt. 2 baskets at 176 ft. Cemented bottom stage with 20 sacks Class H cement with 12-1/2 lbs. Gilsonite per sack. Plug down 11:10 A.M. Cemented top stage down 8-3/4" X 7" annulus with 35 sacks Class H cement.
- 9/16/77 Went in hole with 6-1/4" (out of gauge) bit, no cement in casing, drilled plug and shoe, drilled ahead to 661 ft., lost returns due to moisture, drilled to 673 ft. Shut down for overnight buildup.
- 9/17/77 No gas at blooie line, went to bottom, blew well down  $\pm$  100 ft. water in well. Pulled out, rigged up Schlumberger and Stinebaugh derrick truck, ran G/R Compensated Density Log.
- 9/18/77 Sunday, shut down.
- 9/19/77 Plug back to 605 ft. with gravel, rig up Texas Torpedo Co. dump bailer, dump 1 sack cement at 605 ft.
- 9/20/77 Preparing to shoot, found plug down the hole to 651 ft. Plug back to 608 ft. with gravel, shot 588'-608' with 40 quarts. Gravel packed well to 560 ft.. Shot went, not contained. Cleaned out to 608 ft., no apparent water entry. Shut well in.
- 9/21/77 Opened well, slight gas blow too small to measure.

## LOG TOPS

| <u>FORMATION</u> | <u>DEPTH</u> |
|------------------|--------------|
| Greenhorn        | 187'         |
| Graneros         | 210'         |
| Dakota           | 408'         |
| Morrison         | 520'         |