Form 9-330
(Rev. 5-63)

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED
OCT 09 1985
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.: SF 079003

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Northeast Blanco Unit #1, Sec. 929

8. FARM OR LEASE NAME: Northeast Blanco Unit

9. WELL NO.: 214

10. FIELD AND POOL, OR WILDCAT: S. Los Pinos Ft./PC

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 22, T31N, R7W

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: Blackwood & Nichols Co., Ltd.

3. ADDRESS OF OPERATOR: P. O. Box 1237, Durango, Colorado 81302

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1590' F/SL - 1050' F/EL
At top prod. interval reported below: Same
At total depth: Same

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR PARISH: San Juan | 13. STATE: New Mexico

| 15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (*Ready to prod.*) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* | 19. ELEV. CASINGHEAD |
|---|---|---|---|---|
| 7-13-85 | 7-20-85 | 8-26-85 | 6480' GR | 6480' GR |

| 20. TOTAL DEPTH, MD & TVD | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
|---|---|---|---|---|---|
| 3593' | 3549' | | → | T.D. | |

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Fruitland-Pictured Cliffs from 3110' to 3490'

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: Gamma Ray, Induction, Density, Neutron

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 9 5/8" | 36.0 H-40 | 226' | 12 1/4" | 236 cf Class B Neat | Circulated |
| 4 1/2" | 10.5 K-55 | 3593' | 7 7/8" | 1620 cf Howcolite<br>280 cf Pozmix | Circulated to surface |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|---|---|---|---|---|
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| 2.375 | 3489' | |

31. PERFORATION RECORD (*Interval, size and number*)
With 1 SPF at 3110'-3118', 3166' - 3182', 3224'-3232', 3282'-3318' and 3412' to 3490' for a total of 68 and 78 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| 3110' - 3318' | 72,300 gallons water<br>65,000# 20/40 sand |
| 3412' - 3490' | 59,500 gallons water<br>52,000# 20/40 sand |

33.* PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*) | WELL STATUS (*Producing or shut-in*) |
|---|---|---|
| Not Connected | Flowing | Shut In |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD → | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|---|
| 9-3-85 | 3 hours | 3/4" | | | 200 | | |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE → | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|---|
| 120 psig | 1420 psig | | | 1599 | | |

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): To be connected to Northwest Pipeline Corporation

TEST WITNESSED BY: Ron Thompson

35. LIST OF ATTACHMENTS: DST #1, 3051' to 3199', 7-18-85

RECEIVED
OCT 15 1985
OIL CON. DIV.
DIST. 3

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED William F. Clark (William F. Clark) TITLE Petroleum Engineer DATE October 3, 1985

*(See Instructions and Spaces for Additional Data on Reverse Side)

OCT 7 1985
FARMINGTON RESOURCE AREA
BY

NMOCC

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
**Item 29:** *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|---|---|---|---|
| Fruitland | 3051' | 3199' | DST #1 - Initial Hydrostatic: 1801 psi; Initial Flow: 46 psi (maximum) at surface through 1/8" hose with gas to surface at end of the 15 minute flow period; Initial Bottom Hole Flowing Pressure: 160 psi and final 187 psi; Initial Shut In: 1586 psi after 30 minutes; Final Flow: gas to surface immediately with 50 psi (maximum) through a 1/2" choke after one minute; then the surface flow pressure decreased to 2 psi in 15 minutes and then fluctuated between zero and 6 psi for the remaining 15 minutes of the flow period; Bottom Hole Flow: 160 psi down to 134 psi; Final Shut In: 1586 psi after 60 minutes; Final Hydrostatic: 1748 psi; Recovery: 519' of gas cut mud (10.7 ppg.), Sample Chamber - 200 psi, 1.5 cf of gas, 10 cc's of mud and no water. Bottom hole temperature: 138° F. Resumed drilling. |

38. GEOLOGIC MARKERS

| NAME | TOP MEAS. DEPTH | TOP TRUE VERT. DEPTH |
|---|---|---|
| Ojo Alamo | 2306' | |
| Kirtland | 2434' | |
| Fruitland | 3061' | |
| Upper PC | 3282' | |
| Lower Fruitland | 3362' | |
| Pictured Cliffs | 3404' | |
| Lewis | 3548' | |

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