

State of New Mexico
Energy, Minerals and Natural Resources Dept.
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-103
Revised 1-1-89

| | |
|--|----------------------|
| WELL API NO.: | 30-045-27257 |
| 5. Indicate Type of Lease State: <input checked="" type="checkbox"/> Fee: | |
| 6. State Oil & Gas Lease No.: | B-11125 |
| 7. Lease Name/Unit Agrmt Name: | N.E. Blanco |
| 8. Well No.: | 450 |
| 9. Pool Name or Wildcat: | Basin Fruitland Coal |

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. Type of Well: oil well ☐ gas well ☒ other ☐

2. Name of Operator: Blackwood & Nichols Co., Ltd.

3. Address of Operator: P.O. Box 1237, Durango, CO 81302-1237

4. Well Location
Unit Letter M : 795 Feet From The South Line and 2010 Feet From the West Line
Section 32 Township 31N Range 7W NMPH San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc)
6363' KB

11. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| NOTICE OF INTENTION TO: | SUBSEQUENT REPORT OF: | |
|---|---|---|
| <input type="checkbox"/> Perform Remedial Work | <input type="checkbox"/> Remedial Work | <input type="checkbox"/> Altering Casing |
| <input type="checkbox"/> Temporarily Abandon | <input type="checkbox"/> Commence Drilling Opns. | <input type="checkbox"/> Plug and Abandonment |
| <input type="checkbox"/> Pull of Alter Casing | <input type="checkbox"/> Casing Test and Cement Job | |
| <input type="checkbox"/> Plug of Abandon | <input type="checkbox"/> Other: | |
| <input type="checkbox"/> Change Plans | | |
| <input checked="" type="checkbox"/> Other: Completion | | |

12. 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.

2-07-90 Move in and rig up.

2-08-90 Test blind rams and 7" casing to 2000 psi - held OK.
Pick up 6-1/4" bit, 4-3/4 drill collars, 3-1/2" drill pipe.

2-09-90 Test pipe rams and manifold to 2000 psi - held OK. Drill plug, cement, and float at 2883'. Drill cement and shoe at 2929'. Drill Fruitland formation. TD at 3242'.

Coal intervals:

3063' to 3067'; 3073' to 3080'; 3118' to 3124'
3125' to 3127'; 3129' to 3132'; 3141' to 3142'
3144' to 3149'; 3150' to 3152'; 3182' to 3184'
3215' to 3220'; 3322' to 3223'; 3234' to 3241'

Circulate and work pipe at TD with water. Returns clear water, gas with 30' flare. Estimated water production 275 BPD.

RECEIVED
MAR 26 1990
OIL CON. DIV
DIST. 9

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

Signed: William F. Clark

Title: OPERATIONS MANAGER

Date: 21 Mar 90

WILLIAM F. CLARK

Phone: (303) 247-0728

(This space for State Use)

APPROVED BY Original Signed by FRANK Y. CHAVEZ
CONDITIONS OF APPROVAL, IF ANY:

TITLE

SUPERVISOR DISTRICT ■ ■

DATE

MAR 26 1990

RECEIVED
OIL CON. DIV.
DIST. 3
JAN 10 1954

100-100000

100-100000

100-100000

MAR 26 1990

OIL CON. DIV

DIST. 3

2-10-90 Circulate and work pipe with water: returns clear water and gas. Circulate and work pipe with air and water; returns steady flow gas/air, clear water spray, very light small coal 1/8" minus with 5% shale and siltstone.

2-11-90 Circulate at TD with air and water. 10 Bbl water sweeps every 10 minutes; very light returns containing 5% shale and siltstone.

Circulate at TD with air and 10 Bbl water sweeps every 10 minutes; returns very light coal 1/4" and less, very light shale and siltstone, gray water on sweeps, then clear water, gas and air.

Made 960 Bbls water in last 24 hours.

2-12-90 Working pipe at TD with air and 10 Bbl water sweeps every hour; returns very light 1/16" coal.

Blow well through 3/4" fixed choke: 1 hr - 120 psi, 1243 MCFD.

Shut well in, monitor pressure buildup: 1/4 hr - 490 psi; 1/2 hr - 650; 3/4 hr - 720; 1 hr - 810; 1-1/4 hrs - 860; 1-1/2 hrs - 920; 1-3/4 hrs - 960 psi.

Surge well, blow hole with air and 10 Bbl water sweeps every hour; returns very light coal 1/16" in clear to gray water.

Estimated 1200 BPD water.

2-13-90 Work and rotate pipe with air and 10 Bbl water sweeps each hour. Returns on sweeps, light and occasionally moderate 1/16" coal and shale (4-8%) in gray to clear water.

Pitot gauge well through 2" line: 1 hr - 16 psi, 2506 MCFD. (All gauges were wet.)

Gauged water -823 Bbls per day.

Work and rotate pipe from TD to 3200' with 2 MM air and 10 Bbl water sweeps each hour. Returns light 1/16" coal (92%), shale and siltstone (8%) in gray-clear water, no hole problems. Strap drill pipe out of hole.

2-14-90 Run 5-1/2" casing and 7" x 5-1/2" TIW liner hanger.

Liner summary: Top at 2877', bottom at 3241', and perforations at 2943' to 2959'; 3000' to 3019'; 3061' to 3079', 3102' to 3118', 3121' to 3159', 3180' to 3197', 3200' to 3238'; 8 HPF, 0.625" holes.

Rig up and lay down drill pipe, and drill collars. Pick up 4-1/2" plug mill and 2-7/8" tubing.

2-15-90 Drilling perforation plugs with air and water out 2" line. Clean out to 3240' PBD. POOH and lay down 4-1/2" plug mill.

Pick up expendable check valve and TIH. Land 2-7/8" tubing. Set at 3212'. Nipple down BOP and nipple up upper tree.

Flow well to pit, up tubing, through 3/4" fixed choke: 2-3/4 hrs - Final gauge - 519 MCFD (wet), calculated by $((30+12) * 12.365)$; water - 838 BWD.

Released rig.