

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-045-27549
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-3150-1
7. Lease Name or Unit Agreement Name  Northeast Blanco Unit
8. Well No. 484
9. Pool name or Wildcat Basin Fruitland Coal
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6526' GL

**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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER
2. Name of Operator Blackwood & Nichols Co., Ltd.
3. Address of Operator P. O. Box 1237, Durango, Colorado 81302
4. Well Location Unit Letter <u>A</u> : <u>990</u> Feet From The <u>North</u> Line and <u>790</u> Feet From The <u>East</u> Line Section <u>16</u> Township <u>7N</u> Range <u>7W</u> NMPM San Juan County

11. 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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: Completion <input checked="" type="checkbox"/>

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.

See Addendum for a full description of the tight open hole "stress relieve" type coal operation.

**RECEIVED**  
AUG 22 1990  
OIL CON. DIV.  
DIST. 3

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

SIGNATURE R. W. Williams TITLE Administrative Manager DATE 8/16/90  
TYPE OR PRINT NAME R. W. Williams TELEPHONE NO. 303-247-6728

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE AUG 23 1990  
CONDITIONS OF APPROVAL, IF ANY:

**BLACKWOOD & NICHOLS CO., LTD.**

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

**Completion Report**

**Northeast Blanco Unit No. 484 - Basin Fruitland Coal**

**LOCATION: 990' FNL, 790' FEL  
Section 16, T31N, R7W  
San Juan County, New Mexico**

**4-04-90 Picking up drill pipe.**

Move in and rig up Big "A" Rig No. 23, 4-03-90. Pressure test blind rams, 7" casing, casing valves, and manifold to 2000 psi; repair leaks on manifold and retest - all tested OK.

Pick up 4-3/4" drill collars and put drill pipe on pipe racks and tally.

Pick up 6-1/4" Smith FDT, SN #KM9726 (jets: 16-16-open), bottom hole drill collar with float, float sub, F nipple (1.875" ID), ten drill collars, one jt 3-1/2" drill pipe, F nipple (2.25" ID) - total 358.55'. Start picking up 3-1/2" drill pipe.

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**Completion Report**

**Northeast Blanco Unit No. 484 - Basin Fruitland Coal**

LOCATION: 990' FNL, 790' FEL  
Section 16, T31N, R7W  
San Juan County, New Mexico

4-05-90 7" casing at 3067'; open hole 3067-3346'.

Drilling Fruitland coal at 3346'.

Pick up 3-1/2" drill pipe. TIH, tag cement at 3018'.  
Pick up swivel, test pipe rams and HCR valves to 2000 psi  
- held OK.

Drilled cement, plug and float at 3021', shoe jt and shoe  
at 3067'. Open hole from 3067' to 3070'.

Drill Fruitland coal to 3346' with 8000# WOB, 100 RPM,  
7 BPM water @ 700 psi.

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Completion Report

Northeast Blanco Unit No. 484 - Basin Fruitland Coal

LOCATION: 990' FNL, 790' FEL  
Section 16, T31N, R7W  
San Juan County, New Mexico

4-06-90 7" casing at 3067'; open hole 3067-3422'.

Circulating and working pipe from TD with 2 MM air and 5 BPM water.

Drilled Fruitland formation with 8,000# WOB, 100 RPM, 7 BPM water @ 700 psig stand pipe pressure (jets: 16-16-open) to TD at 3422'. Circulate and work pipe from TD to 3400' with 7 BPM water; returns moderate coal 1/2" and less (75%), and shale in clear water. Circulate and work pipe from TD to 3400' with 6 BPM water decreasing to 4 BPM water; returns same as above.

Work pipe from TD to 3400' reducing water in 1/2 BPM increments every 1/2 hour from 4 to 1 BPM; returns same as above. No hole problems. Circulate with 1 MM air and 6 BPM water; returns moderate to light 1/2" minus coal (75%), shale and siltstone in clear water. Increased air to 2 MM.

Coal Intervals:	3112-3113'	1'
	3166-3167'	2'
	3168-3169'	1'
	3173-3174'	1'
	3187-3195'	8'
	3196-3197'	1'
	3203-3204'	1'
	3233-3236'	3'
	3237-3239'	2'
	3240-3241'	1'
	3281-3284'	3'
	3412-3420'	8'
	Total Coal	32'

TD - 3422'

PC Tongue at 3309'

Main PC sandstone at 3420'

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LOCATION: 990' FNL, 790' FEL  
Section 16, T31N, R7W  
San Juan County, New Mexico

4-07-90 7" casing at 3067'; open hole 3067-3422'.

Completed Test #1.

Circulate pipe at TD with 2 MM air and 4 BPM water; returns moderate to light coal (98%), with shale and siltstone in clear water.

Circulate with 2 MM air and 3 BPM water. Circulate with 3 MM air and 2 BPM water decreasing to 5 Bbl water sweeps every 1/4 hour. Returns moderate to light coal, 1/4" minus (80%), with shale and siltstone in black water.

Circulate with 3 MM air and 5 Bbl water sweeps every 1/2 hour, hole free. Circulate with 3 MM air and 5 Bbl water sweeps hourly. Returns moderate to light 1/4" minus (80%).

Bucket test #1 (7:30 p.m.) - 171 BWD. Bucket test #2 (4:30 a.m.) - 8 BWD.

Pull into 7" casing to gauge well, 2" pitot: 1/4 hr - 9 psig, 1865 MCFD (dry); 1/2 hr - 9 psig, 1865 MCFD (dry); 3/4 hr - 10 psig, 1948 MCFD (misty); 1 hr - 10 psig, 1948 MCFD (damp).

4-08-90 7" casing at 3067'; open hole 3067-3422'.

Completed 1 hour shut-in test.

RIH and clean out 2' of fill. Circulate hole with 3 MM air and 5 Bbl water sweeps every hour. Returns light coal, 1/4" minus (90%).

Circulate with 3 MM air and no water. Bucket test #3 - 47 BWD.

(Cont'd)

4-08-90 Circulate with 3 MM air and 5 Bbl water sweeps every hour. Returns light coal, 1/4" minus (90%), with shale and siltstone in black water with sweeps.

Bucket test #4 - 57 BWD.

Pull into 7" casing to gauge well, 2" pitot: 1/4 hr - 9 psig, 1865 MCFD (dry); 1/2 hr - 10 psig, 1948 MCFD (dry); 3/4 hr - 1948 MCFD (dry); 1 hr - 10 psig, 1948 MCFD (dry). 1 hour shut-in test: 1/4 hr - 450 psig; 1/2 hr - 700; 3/4 hr - 1000; 1 hr - 1200 psig.

Estimated daily cost: \$ 6,616

Estimated cumulative cost: \$46,269

4-09-90 7" casing at 3067'; open hole 3067-3422'.

POOH, preparing to run 5-1/2" liner.

Bleed well down slowly to 50 psi. RIH, had 1' fill.

Circulate at TD with 3 MM air and 5 Bbl water sweeps each hour; returns light 1/16" and less coal on sweeps. No hole problems.

Work pipe at TD with 2 MM air with 5 Bbl water sweeps every hour, returns 1/16" and less coal, some shale and siltstone.

Short trip, TIH, had 1' fill. Work pipe at TD with 2 MM air with 5 Bbl water sweeps every hour, light 1/16" coal, shale and siltstone in returns.

POOH, preparing to run 5-1/2" liner.

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Completion Report

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LOCATION: 990' FNL, 790' FEL  
Section 16, T31N, R7W  
San Juan County, New Mexico

4-10-90 7" casing at 3067'; open hole 3067-3422'.

Nippling down BOPs.

Install 5-1/2" rams, rig up floor to run 5-1/2" casing. Pick up shoe, 12 jts 5-1/2" casing, and Baker model CMS 7" x 5-1/2" liner hanger.

TIH with 3-1/2" drill pipe, tag at 3420'. Pick up swivel, rotate down 2', set liner at 3421', 1' off bottom.

Liner: 12 jts (424.31') new 5-1/2" 23# L-80 Kawasaki. Ran 3 full half-perfed jts; 3 full perfed jts; 1 full half-blank jt; and 5 full blank jts.

Liner Summary:

Shoe - 3421'  
Top of hanger - 2996.69'  
Overlap - 70.31'

Perforations (8 HPF)

3419-3399'  
3298-3152'  
3113-3093'

Fill hole with water, rig up to lay down drill pipe. POOH, lay down drill pipe and drill collars. Change rams, rig up to run tubing. Pick up 4-1/2" mill, bit sub with float, 1 jt 2-3/8" tubing, F nipple. TIH, pick up 2-3/8" tubing, tag top perf at 3094'.

Pick up power swivel, drill plugs with 300 psi back pressure, slowly reduce back pressure to 30 psi, open blooie lines.

POOH, lay down mill and subs, pick up expendable check, TIH. Run 102 jts (3322.39') 2-3/8" 4.7# J-55 EUE 8rd FBNAU TSI tubing; landed at 3335'; top of F nipple at 3304'.

Nipple down BOPs.

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REVISED  
4-09-90

4-10-90

4-11-90 Rig released.

Nipple down BOP, nipple up tree; pump off expendable check.

Unload well and flow test through 2" pitot: 1/4 hr - 11 psig, 2039 MCFD (heavy mist); 1/2 hr - 10 psig, 1948 MCFD; 3/4 hr - 1948; 1 hr - 10 psig, 1948 MCFD (dry).

Estimated water production - 57 BPD (4-08-90).

Rig down to move.

Three hour shut-in after flow test: tubing 1020 psig, casing 1420 psig. Rig released.