

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

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

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

WELL API NO. 30-045-27705
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Northeast Blanco Unit
8. Well No. 489
9. Pool name or Wildcat Basin Fruitland Coal
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6525' 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 GAS WELL OTHER

2. Name of Operator
Blackwood & Nichols Co. A Limited Partnership

3. Address of Operator
P. O. Box 1237, Durango, Colorado 81302

4. Well Location
 Unit Letter L : 2330 Feet From The South Line and 1240 Feet From The West Line
 Section 12 Township 31N Range 7W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
6525' GL

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"/>	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"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: _____ <input type="checkbox"/>		OTHER: <u>COMPLETION</u> <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 open hole "stress relieve" type coal completion.

RECEIVED
 OCT 1 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 9/28/90
 TYPE OR PRINT NAME R. W. Williams TELEPHONE NO. 303-247-0728

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE OCT 0 1 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. 489 - Basin Fruitland Coal

LOCATION: 2330' FSL, 1240' FWL
Section 12, T31N, R7W,
San Juan County, New Mexico

7-07-90 Rigging up blooie lines.

Move in and rig up Aztec Rig #56.

7-08-90 Drilling Fruitland formation at 3119'.

Rig up and test blind rams, 7" casing, and all manifold valves to 2000 psi for 15 minutes - held OK.

Strap drill collars and subs. Pick up Smith Tool Co. 6-1/4" FDT SN# KP-1621 (jets: 20-20-20), bit sub, string float, one 4-3/4" drill collar, N nipple (1.875" ID), ten 4-3/4" drill collars, 1 jt 3-1/2" drill pipe, F nipple (2.25" ID), and safety sub. BHA = 378.33' (includes 1 jt drill pipe).

Pick drill pipe out of basket, tally, and pick up same. Tag at 3056'.

Pick up and rig up swivel. Test all 3-1/2" pipe rams individually and all 4-1/16" HCR valves to 2000 psi for 15 minutes - held OK.

Drill cement 3056' to shoe at 3111'; insert float at 3067'.

Drill Fruitland formation 3111-3119' with 8,000# WOB, 100 RPM, 5.5 BPM water @ 375 psi.

7-09-90 Circulating and working pipe at TD with 5.5 BPM water.

Drill Fruitland Coal 3119-3457' with 10,000# WOB, 100 RPM, and 5.5 BPM water @ 375 psi.

Coal Intervals:	3124-3126'	2'
	3155-3157'	2'
	3164-3175'	11'
	3197-3199'	2'
	3202-3208'	6'
	3248-3257'	9'
	3271-3272'	1'
	3285-3286'	1'
	3316-3317'	1'
	3318-3319'	1'
	3324-3325'	<u>1'</u>
	Total	37'

Top P. C. Tongue - 3326'
Top Main P. C. - 3454'
Total Depth - 3457'

Circulate and work pipe at TD with 5.5 BPM water @ 375 psi. Returns very light 1/8" coal (98%), shale and siltstone in clear to gray water.

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7-10-90 Circulating and working pipe with 2 MM air and 2.5 BPM water.

Circulate and work pipe at TD with 5.5 BPM water @ 175 psi. Returns light 1/8" and less coal (95%), shale and siltstone in clear water.

Circulate and work pipe at TD with 1 MM air and 5.5 BPM water @ 425 psi. Returns same as above.

Circulate and work pipe at TD with 1 MM air and 5.5 BPM decreasing to 1 BPM water @ 425 psi decreasing to 175 psi. Returns same as above.

Circulate and work pipe at TD with 2 MM air and 3.5 BPM decreasing to 1 BPM water at 350 psi decreasing to 200 psi. Returns same as above.

Circulate and work pipe at TD with 3 MM air and 3.5 BPM decreasing to 2.5 BPM water @ 375 psi decreasing to 250 psi. Returns same as above.

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7-11-90 7" casing at 3112'; 6-1/4" open hole 3112-3457'.

Circulating and working pipe at TD with 2 MM air.

Circulate and work pipe at TD with 3 MM air and 2.5 BPM decreasing to 1 BPM water @ 225 psi decreasing to 175 psi. Returns light 1/8" coal (95%), shale and siltstone in clear water.

Circulate and work pipe with 3 MM air and 2.5 BPM water and 10 Bbl water sweeps hourly. Returns very light coal in clear water.

Pull into 7" casing. Pitot test well through 2" line: 1/4, 1/2, 3/4, and 1 hr - 10 oz., 492 MCFD (dry).

Shut well in, monitor pressure build up: 1/4 hr - 150 psi, 1/2 hr - 270, 3/4 hr - 370, 1 hr - 470; 1-1/4 hrs - 560; 1-1/2 hrs - 630; 1-3/4 hrs - 700; 2 hrs - 760 psi.

Bucket test: 76 BPD water.

Surge well. TIH, no fill.

Circulate and work pipe at TD with 3 MM air and 10 Bbl water sweeps hourly. Returns on sweeps, very light coal, shale and siltstone in clear water.

Pull into 7" casing. Pressure well to 1000 psi and surge well twice. TIH, no fill.

Circulate and work pipe at TD with 3 MM air and 10 Bbl water sweeps hourly. Returns on sweeps, very light coal, shale and siltstone in clear water.

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TIH after pitot gauge and surge.

Circulate and work pipe with 3 MM air and 10 Bbl water sweeps hourly. Returns very light coal, shale and siltstone in clear water.

Pull into 7" casing. Pitot gauge well through 2" line: 1/4, 1/2, 3/4, and 1 hr - 10 oz., 492 MCFD (dry). Pressure casing to 1000 psi with air, pumped 35 Bbls water. Pressure casing to 1000 psi and surge well. TIH, no fill.

Circulate and work pipe with 2 MM air and 1/2 BPM water with 15 Bbl water sweeps hourly. Returns very light coal, shale and siltstone in clear water.

Pull into 7" casing, pressure casing to 1000 psi with air, pump 35 Bbls water, pressure to 1000 psi with air, pump 25 Bbls water, pressure casing to 1000 with air, surge well. TIH, no fill.

Circulate and work pipe with 2 MM air and 15 Bbl water sweeps hourly. Returns same as above.

Pull into 7" casing, pitot test well through 2" line: 1/4 hr - 10 oz., 492 MCFD; 1/2, 3/4, and 1 hr - 9 oz., 464 MCFD (all gauges dry). Pressure annulus to 1000 psi with air and surge well.

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TIH after flow test.

TIH after surge, no fill. Circulate and work pipe with 2 MM air and 10 Bbl water sweeps per hour. Returns very light coal in clear water.

Short trip. Pressure wellbore to 1000 psi with air followed by 70 Bbls water. Pressure dropped to 800 psi. Pressured back up to 1000 psi with air, shut well in for 1 hour. Pressure bled down to 850 psi. Surge well, unload well with air, got 30 Bbls water back. TIH, no fill.

Circulate and work pipe with 3 MM air and 10 Bbl water sweeps hourly. Returns very light coal, shale and siltstone in rusty-colored water. Had no flare.

Circulate and work pipe with 3 MM air and 10 Bbl water sweeps hourly. Returns same as above. Had gas flare.

Short trip to gauge well: 1/4, 1/2, 3/4, and 1 hr - 6 oz., 372 MCFD (dry). Shut in for 1 hour, pressure built to 175 psi. Bled pressure off, TIH.

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7-14-90 7" casing at 3112'; tubing set at 3105'.

Landing tubing.

TIH after gauge, no fill.

Circulate and work pipe at TD with 3 MM air. Returns light coal fines in rusty-colored water; clear water on sweeps.

Short trip to 7" casing, pressure up to 1000 psi with air, surge well. TIH, no fill.

Circulate and work pipe at TD with 3 MM air and 5 Bbl water sweeps every 1/2 hour. Returns light coal fines; on sweeps light 1/8" coal in rusty-colored water.

Short trip to 7" casing, pressure up to 1000 psi with air. Surge well, pressure up and surge twice more. No coal in returns. TIH, no fill.

Circulate and work pipe at TD with 2 MM air and 5 Bbl water sweeps every 1/2 hour. Returns light coal fines.

Short trip to 7" casing, run 2" pitot test: 1/4 hr - 2 oz., 217 MCFD; 1/2, 3/4, and 1 hour - 2.5 oz., 247 MCFD (all gauges dry). Shut in test: 1 hr - 120 psi.

Surge well with 1000 psi. TIH, no fill. Circulate and work pipe at TD with 2 MM air and 5 Bbl water sweeps every 1/2 hour. Returns light coal fines in rusty-colored water.

Lay down drill pipe and drill collars.

Pick up 100 jts 2-3/8" tubing and land.

(Cont'd)

7-14-90 Ran 100 jts (3090.65') 2-3/8" 4.7# J-55 EUE 8rd FBNAU USS tubing; set at 3104.65'. Baker expendable check on bottom at 3104'; F nipple (1.875" ID) at 3072.06'.

7-15-90 Nipple down BOPs, nipple up upper tree.

Pump off expendable check with 1000 psi air.

Rig down and move. Rig released at 12:00 noon, 7-14-90.

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