

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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.
30-039-24795

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-178-1

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, Colorado 81302

7. Lease Name or Unit Agreement Name

Northeast Blanco Unit

8. Well No.
427R

9. Pool name or Wildcat
Basin Fruitland Coal

4. Well Location
Unit Letter M : 1060 Feet From The South Line and 1105 Feet From The West Line
Section 16 Township 30N Range 7W NMPM Rio Arriba County
10. Elevation (Show whether DF, RKB, RT, GR, etc.)
6244' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
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.

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

RECEIVED
AUG 15 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 8/15/90
TYPE OR PRINT NAME R. W. Williams TELEPHONE NO. 303 247-0728

(This space for State Use)

Original Signed by **FRANK T. CHAVEZ**

APPROVED BY _____ TITLE SUPERVISOR DISTRICT # 3 DATE AUG 16 1990

CONDITIONS OF APPROVAL, IF ANY:

ADDENDUM

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 427R - Basin Fruitland Coal

LOCATION: 1060' FSL, 1105' FWL
Section 16, T30N, R7W
Rio Arriba County, New Mexico

7-20-90 Rigging up (approximately 90% rigged up).

Move on and rig up Big "A" Rig No. 25.

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Completion Report

Northeast Blanco Unit No. 427R - Basin Fruitland Coal

LOCATION: 1060' FSL, 1105' FWL
Section 16, T30N, R7W
Rio Arriba County, New Mexico

7-21-90 7" casing at 2881' (projected).

Waiting on mud loggers.

Finish rig up. Cut drilling line. Test blind rams and 7" casing to 2000 psi - held OK. Put drill pipe and drill collars on racks and strap same.

Pick up 6-1/4" STC F2 (RR) (jets: 24-24-24), float sub with 2 floats, 1 drill collar, N nipple (1.875" ID), ten drill collars, 1 jt drill pipe, F nipple, and safety sub. Total BHA less drill pipe = 337.01'.

Pick up 3-1/2" drill pipe. TIH, tag cement at 2829'. Pick up swivel, test 3-1/2" pipe rams individually, HCR valves, and manifold to 2000 psi - held OK. Had trouble getting #1 rams to hold at low pressure.

Drill cement and plug to float at 2836'; drill float and cement to 2878'.

Wait on mud loggers.

7-22-90 7" casing at 2881'; 6-1/4" open hole 2881-3110'.

Drilling Fruitland coal at 3110'.

Wait on mud loggers.

Rig up mud loggers.

Wait on Oilfield Rental to service BOP #1 pipe rams - leak at low pressure. Clean out behind ram blocks. Pressure test ram to 500 psi for 15 minutes - OK. Test to 1200 psi for 15 minutes - OK. Test to 2000 psi for 15 minutes - OK.

(Cont'd)

7-22-90 Drill 2' cement and 7" casing shoe. Drill Fruitland formation 2881-3110' with 8,000-10,000# WOB, 80-100 RPM, and 6.5 BPM @ 1300 psi.

25' gas flare out one blooie line.

7-23-90 7" casing at 2881'; 6-1/4" open hole 2881-3148' TD.

Circulating and working pipe at TD with 2.5 BPM water.

Drill Fruitland coal 3110-3148' with 8,000-10,000# WOB, 80-100 RPM, and 7 BPM @ 1300 to 1000 psi.

25' flare out blooie line.

Circulate and work pipe at TD with 6 BPM water @ 1000 psi. Returns moderate 1/2" to 1/4" and smaller very light coal powder, coal (90%), shale and siltstone in clear water.

Circulate and work pipe at TD with 5.5 BPM water, dropping rate by 1/2 BPM every other hour down to 2.5 BPM. Returns light 1/4-1/8" and less coal (95%), shale and siltstone in clear water. (JW/MD)

Coal Intervals:	2886-2887'	1'
	3026-3028'	2'
	3030-3042'	12'
	3048-3051'	3'
	3067-3068'	1'
	3076-3077'	1'
	3083-3084'	1'
	3097-3099'	2'
	3100-3105'	5'
	3122-3128'	6'
	3140-3141'	<u>1'</u>
	Total	35'

No P. C. Tongue

Top Main P. C. - 3146'

Total Depth - 3148'

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Completion Report

Northeast Blanco Unit No. 427R - Basin Fruitland Coal

LOCATION: 1060' FSL, 1105' FWL
Section 16, T30N, R7W
Rio Arriba County, New Mexico

7-24-90 7" casing at 2881'; 6-1/4" open hole 2881-3148' TD.

Circulating and working pipe at TD with 2 BPM water and 1.2 MM air.

Circulate and work pipe at TD with 2.5 BPM water. Returns light 1/8" and less coal (95%), shale and siltstone with some floating coal in clear water.

Circulate and work pipe at TD with 5 BPM decreasing to 2 BPM water and .9 MM air @ 650 psi decreasing to 380 psi. Returns moderate 1/8" and less coal (95%), shale and siltstone in clear water. No hole problems.

Circulate and work pipe at TD with 2 BPM water and .9 MM air @ 380 psi. Returns light 1/8" and less coal (95%), shale and siltstone in clear water.

Circulate and work pipe at TD with 1.2 MM air and 5 BPM decreasing to 2 BPM water @ 750 psi decreasing to 400 psi. Returns moderate 1/8" and less coal (95%), shale and siltstone in gray to clear water.

Circulate and work pipe at TD with 1.2 MM air and 2 BPM water @ 400 psi. Returns light 1/8" and less coal (95%), shale and siltstone in clear water.

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Completion Report

Northeast Blanco Unit No. 427R - Basin Fruitland Coal

LOCATION: 1060' FSL, 1105' FWL
Section 16, T30N, R7W
Rio Arriba County, New Mexico

7-25-90 7" casing at 2881'; 6-1/4" open hole 2881-3148' TD.

Circulating and working pipe at TD with 1.7 MM air and 3/4 BPM water with 10-15 bbl water sweeps every hour.

Circulate and work pipe at TD with 1.2 MM air and 3/4 BPM water with 10 bbl water sweeps every hour. Returns light 1/8" coal (98%) and coal fines, shale and siltstone in clear water. No hole problems.

Pull into 7" casing. Pitot test well through 2" line:
1/4 hour - 60 psi, 6442 MCFD; 1/2 hour - 62 psi, 6622 MCFD; 3/4 hour - 62 psi, 6622 MCFD; 1 hour - 64 psi, 6800 MCFD (all gauges mist).

Shut well in, monitor pressure buildup. Surge well.
TIH. 1/4 hour - 950 psi; 1/2 hour - 1125; 3/4 hour - 1175 psi; 1 hour - 1175 psi.

Bucket Test: Too small to measure.

Clean out 11' of fill to TD with .9 MM air and 1 BPM water. Returns black water for 15 minutes decreasing to clear water.

Circulate and work pipe at TD with 1.2 MM air and 5 bbl with water sweeps every 1/2 hour. Returns light 1/8" and less coal (98%), shale, and siltstone in clear water. Sweep water returning black.

Circulate and work pipe at TD with 1.7 MM air and 5 bbl water sweeps every 1/2 hour. Returns same as above.

Circulate and work pipe at TD with 1.7 MM air and 3/4 BPM water with 10-15 bbl water sweeps every hour. Returns very light, 1/8" coal (98%), shale, and siltstone in clear water.

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Completion Report

Northeast Blanco Unit No. 427R - Basin Fruitland Coal

LOCATION: 1060' FSL, 1105' FWL
Section 16, T30N, R7W
Rio Arriba County, New Mexico

7-26-90 7" casing at 2881'; 6-1/4" open hole 2881-3148' TD.

Running pitot test #4.

Circulate and work pipe at TD with 3.1 MM air and 3/4 BPM water and 10 to 15 Bbl water sweeps hourly. Returns very light 1/16" and less coal (98%), shale and siltstone in clear water.

Circulate and work pipe at TD with 1.4 MM and 5 Bbl water sweeps hourly. Returns same as above.

Pull into 7" casing to pitot gauge (#2) well through 2" line: 1/4 hr - 60 psi, 6442 MCFD; 1/2 hr - 62 psi, 6622; 3/4 hr - 66 psi, 6979; 1 hr - 68 psi, 7158 MCFD (all gauges mist).

TIH, clean out 20' of fill to TD.

Circulate and work pipe with 1.4 MM air and 5 Bbl water sweeps hourly.

Circulate and work pipe at 3145' with 1.4 MM air and 1/2 BPM water and 15 Bbl water sweeps hourly. Returns light 1/8" and less coal (95%), shale and siltstone in clear water.

Stopped pumping water for 1 hour. Run bucket test: 572 BPD water.

Pull into 7" casing to pitot gauge (#3) well through 2" line: 1/4 hr - 63 psi, 6710 MCFD; 1/2 hr - 67 psi, 7068; 3/4 hr - 70 psi, 7337; 1 hr - 72 psi, 7516 MCFD (all gauges mist).

TIH, had 6' of fill on bottom.

Circulate and work pipe at 3145' with 1.4 MM air and 1/2 BPM water and 5 to 15 Bbl water sweeps hourly. Returns same as above.

Completion Report - NEBU #427R
July 26, 1990

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(Cont'd)

7-26-90 Pull into 7" casing to pitot gauge (#4) well through 2"
line.

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Completion Report

Northeast Blanco Unit No. 427R - Basin Fruitland Coal

LOCATION: 1060' FSL, 1105' FWL
Section 16, T30N, R7W
Rio Arriba County, New Mexico

7-27-90 7" casing at 2881'; 6-1/4" open hole 2881-3148' TD.

Running pitot test #6.

Pitot test #4: 1/4 hr - 70 psi, 7337 MCFD; 1/2 hr - 72 psi, 7516; 3/4 hr - 76 psi, 7874; 1 hr - 78 psi, 8053 MCFD (all gauges mist). TIH, no fill.

Circulate and work pipe at TD with 1.4 MM air and 1/2 BPM water and 5 to 15 Bbl water sweeps hourly. Returns light 1/8" and less coal (95%), shale and siltstone in clear water.

Pull into 7" casing to pitot test (#5) well through 2" line: 1/4 hr - 70 psi, 7337 MCFD; 1/2 hr - 74 psi, 7695; 3/4 hr - 76 psi, 7874; 1 hr - 78 psi, 8053 MCFD. TIH, had 3' of fill at TD.

Circulate and work pipe at TD with 1.4 MM air and 1/2 BPM water and 5 to 15 Bbl water sweeps hourly. Returns same as above.

Pull into 7" casing to pitot test (#6) well through 2" line: 1/4 hr - 80 psi, 8232 MCFD; 1/2 hr - 82 psi, 8411; 3/4 hr - 83 psi, 8501; 1 hr - 84 psi, 8590 MCFD.

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Completion Report

Northeast Blanco Unit No. 427R - Basin Fruitland Coal

LOCATION: 1060' FSL, 1105' FWL
Section 16, T30N, R7W
Rio Arriba County, New Mexico

7-28-90 7" casing at 2881'; 6-1/4" open hole 2881-3148' TD.

Circulating and working pipe at 3145' with 1.4 MM air and 1/2 BPM water.

Run flow test through 3/4" choke: 1/4 hr - 500 psi, 6285 MCFD; 1/2 hr - 525 psi, 6599; 3/4 hr - 535 psi, 6725; 1 hr - 550 psi, 6914 MCFD. Bleed down well slowly. RIH, 1' fill.

Circulate and work pipe at 3145' with 1.4 MM air and 1/2 BPM water alternating 5 and 10 Bbl water sweeps hourly. Returns light 1/8" and less coal (95%), shale and siltstone in clear water.

Pull into 7" casing to run pitot test (#7) through 2" line: 1/4 hr - 80 psi, 8232 MCFD; 1/2 hr - 84 psi, 8590; 3/4 hr - 86 psi, 8769; 1 hr - 88 psi, 8948 MCFD (all gauges mist). RIH, had 3' fill.

Circulate and work pipe at 3145' with 1.4 MM air and 1/2 BPM water alternating 5 and 20 Bbl water sweeps hourly. Returns light 1/8" and less coal (80%), shale and siltstone in clear water.

7-29-90 7" casing at 2881'; 6-1/4" open hole 2881-3148' TD.

Rigging up to snub in 5-1/2" liner.

Circulate and work pipe from 3145' with 2 MM air and 1/2 BPM water alternating 5 and 20 Bbls water sweeps hourly. Returns light 1/8" and less coal (80%), shale and siltstone in clear water.

Pick up 1 jt drill pipe and RIH to TD. Circulate with 1.4 MM air and 20 Bbl water sweeps and clean hole.

Kill well.

(Cont'd)

7-29-90 POOH with 10 jts drill pipe and hang off pumping 2 BPM (200 psi) across stack. Hang drill pipe off in wellhead. Rig down stripper head and Cameron BOP.

Rig up Aztec Specialty and Cudd. Pressure test to 2000 psi - OK.

POOH and strap with drill pipe (strip) drill collars and lay down same. Rig up to snub in 5-1/2" liner.

7-30-90 7" casing at 2881'; 6-1/4" open hole 2881-3148' TD.

Drilling liner plugs at 3110'.

Finish rigging up to snub, pick up 5-1/2" V-set shoe, 9 jts 5-1/2" 23# L-80 LT&C casing, and Brown hanger packer and snub in hole. Rig down snubbing equipment, change rams, strip 3-1/2" drill pipe in hole. Circulate and clean out 2' to bottom, 3148'. Set hanger and pack-off. Hang off swivel and drill pipe.

Rig down Cudd, nipple up stripper head. Change rams.

Lay down drill pipe and Brown running tool, change rams to 2-7/8".

Pick up 4-1/2" expendable mill, plug, 1 jt tubing, 1 F nipple (2.25" ID) and 92 jts tubing. Tag liner top at 2822'; 2 jts to top of first plug at 2874'. Pick up swivel and load hole with water. Drill plugs dry through 3/4" fixed choke to 3110'.

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Completion Report

Northeast Blanco Unit No. 427R - Basin Fruitland Coal

LOCATION: 1060' FSL, 1105' FWL
Section 16, T30N, R7W
Rio Arriba County, New Mexico

7-31-90 7" casing at 2881'; 5-1/2" liner 2822-3146' (58.52' overlap).

Rig released.

Finish drilling plugs at 3144'. Dry through 3/4" fixed choke.

Lay down 4 jts 2-7/8" tubing, land donut in tubing head. Nipple down BOP, nipple up tree. Pump off expendable mill/check at 1400 psi. Flow well back.

Rig down. Release rig at 12:00 noon, 7-30-90.