

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill, deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

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. Location of Well: (Footage, Sec., T., R., M., or Survey Description)

2100' FWL - 1330' FWL, Section 4, T30N, R7W

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

5. Lease Designation & Serial #:

SF-079043

6. If Indian, Allottee/Tribe Name

7. If Unit or CA, Agmt. Design.:

Northeast Blanco Unit

8. Well Name and No.:

N.E.B.U.# 424

9. API Well No.:

30-045-27243

10. Field & Pool/Expltry Area:

Basin Fruitland Coal

11. County or Parish, State:

San Juan, New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: COMPLETION
	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

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

RECEIVED
OCT 1 1990
OIL CON. DIV. I
DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed: ROY W. WILLIAMS ROY W. WILLIAMS Title: ADMINISTRATIVE MANAGER Date: 9/17/90

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved By _____ Title _____ Date: SEP 24 1990

Conditions of approval, if any:

FARMINGTON RESOURCE AREA

BY [Signature]

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-10-90 7" casing at 2739'.

Pick up 3-1/2" drill pipe.

Rig down, move rig.

Rig up, pressure test casing, blind rams to 2000 psi - held OK.

Put drill collars and drill pipe on pipe rack and tally.

Pick up Smith 6-1/4" FDTL SN#2355, 20-20-20 jets. Bottom hole drill collar with float, float sub, F nipple (1.871" ID), 7 drill collars, 1 jt 3-1/2" drill pipe, F nipple (2.25" ID), safety sub. Pick up drill pipe.

Test HCR valves, manual valves, manifold and pipe rams to 2000 psi - held OK.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-11-90 Open hole 2739' to 3030'.

Circulate and work pipe at TD with 7 BPM water.

Pick up swivel and load. Tag cement at 2679'.

Drill cement. Float collar at 2691' and shoe at 2736'.

Drill Fruitland coal at 2736' with 8-10,000# WOB, 60 RPM, 600 psi. Circulate samples to surface.

Change out stripping rubber, let well flow through 2" on manifold, 248 psi back pressure. Shut in well, remove trees from behind blow pit. Had 1380 psi in 45 minutes. Bled well down, opened blooie lines, resumed drilling.

Drill Fruitland Coal, TD well at 3030'.

Circulate and work pipe with 7 BPM water. Returns light in clear water.

Coal intervals:

2852-55'	(3)
2856-57'	(1)
2858-60'	(2)
2862-63'	(1)
2864-69'	(5)
2870-79'	(9)
2880-83'	(3)
2886-90'	(4)
2900-02'	(2)
2903-07'	(4)
2909-11'	(2)
2914-15'	(1)
2928-29'	(1)
2932-33'	(1)

NEBU #424 - Completion Report
August 13, 1990

Coal intervals con't.

2962-64'	(2)
3019-28'	<u>(9)</u>
Total	50

Top of PC Tongue	2934'
Main PC	3028'
Total Depth	3030'

8-12-90 Circulate and work pipe at TD with 6 BPM water. Returns very light 1/16" and less in clear water.

Circulate and work pipe at TD with 7 BPM water. Returns light 1/8" and smaller in clear water.

Circulate and work pipe at TD with 6 BPM water. Returns moderate to light 1/4" to 1/16" coal in black to clear water. Hole fell in several times, cleared up quickly, hole has been stable last 12 hours.

8-13-90 Circulate and work pipe at TD with 2 BPM water. Returns very light coal in clear water.

Circulate and work pipe at TD with 6 BPM water. Returns light 1/16" coal in clear water.

Circulate and work pipe at TD with 4 BPM water. Returns light 1/16" and smaller coal in clear water.

Circulate and work pipe at TD with 4-2 BPM water. Returns light 1/16" and smaller coal in clear water. Hole fell in, had heavy 1/4" coal returns in black water.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-14-90 Circulating and working pipe at TD with 1 MM air and 3 BPM water. Running dry sweeps each 1/2 hour. Returns light 1/16" coal in clear water.

Circulate and work pipe at TD with 2 BPM water. Returns very light 1/16" coal in clear water.

Lay down 10 jts to gauge well through 3/4" choke: 1/4 hr - 720 psi, 9051 MCFD; 1/2 hr - 680 psi, 8556; 3/4 hr - 760 psi, 9547; 1 hr and 1-1/4 hrs - 780 psi, 9794 MCFD (all gauges wet).

Shut in test: ISIP - 780 psi; 1/4 hr - 1200; 1/2 hr - 1240; 3/4 hr - 1280; 1 hr - 1300; 1-1/4 hrs - 1300 psi.

Blew well down to 900 psi through manifold, opened both blooie lines.

TIH, had 3' fill.

Circulate and work pipe at TD with 3 BPM water. Returns moderate to light 1/8" coal in black to clear water. Hole fell in once, unloaded and cleaned up in 10 minutes.

Circulate and work pipe at TD with 1 MM air and 3 BPM water. Run dry sweeps for 10 minutes each 1/2 hour. Returns moderate to light 1/8" and smaller in black to clear water.

Water rate - TSTM.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-15-90 Circulating and working pipe at TD with 2 MM air and 1 BPM water. Returns light 1/16" coal in clear water.

Circulate and work pipe at TD with 1 MM air and 3 BPM water. Run dry flushes for 10 minutes every 1/2 hour. Returns light 1/16" coal in clear water.

Circulate and work pipe at TD with 1 MM air and 1 BPM water. Returns light 1/16" coal in clear water.

Lay down 10 jts for flow test #2 on 3/4" choke: 1/4 hr - 740 psi, 9298 MCFD; 1/2 hr - 760 psi, 9545; 3/4 hr - 800 psi, 10040; 1 hr - 810 psi, 10164 MCFD (all gauges wet).

Surge well with 1000 psi through both blooie lines. TIH, had 4' fill.

Circulate and work pipe at TD with 2 MM air and 1 BPM water. Returns heavy to light 1/8" to powder coal in black to clear water. Well made heavy coal after surge and cleaned up quickly.

Lay down 10 jts for flow test #3 through 3/4" choke: 1/4 hr - 750 psi, 9422 MCFD; 1/2 and 3/4 hr - 760 psi, 9545; 1 hr - 800 psi, 10040 MCFD (all gauges wet).

Surge well with 1000 psi through both blooie lines. TIH, had bridge at 2910' and 12' of fill. Trip to TD, had 4' of fill.

Circulate and work pipe at TD with 2 MM air and 3 BPM water. Returns heavy to light 1/4" to powder coal in black to gray water - heavy coal for 1 hour.

Circulate and work pipe at TD with 2 MM air and 1 BPM water. Returns light 1/16" and smaller coal in gray to clear water.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-16-90 Circulating and working pipe at TD with 2 MM air and 1 BPM water. Returns light 1/16" coal in clear water.

Circulate and work pipe at TD with 2 MM air and 1 BPM water with 10 Bbl water sweeps hourly. Returns moderate to light 1/8" and smaller coal in gray to clear water. Hole stable past 24 hours.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-17-90 Circulating and working pipe with 3 BPM water. Returns heavy to moderate coal (98%) and siltstone in black to gray water. Hole tight.

Circulate and blow well with 3 MM air and 1 BPM water. Returns light 1/16" coal and siltstone in clear water.

Hole fell in, shut well in. Build 500 psi on back side - pipe free. Bleed well down. Open HCR valves.

Circulate well with 3 BPM water. Flush coal. Returns moderate 1/8" coal (98%) and siltstone in dark gray water.

Circulate and blow well with 2 MM air and 3 BPM water. Returns light 1/8" coal (98%) and siltstone in clear water.

Circulate and blow well with 2 MM air and 1 BPM water. Returns light 1/16" coal (98%) and siltstone in clear water.

Shut well in to get truck with snubbing equipment on location. Rig up water line around pit for water trucks. Open well through choke lines to load hole with water. Hole bridged off. Couldn't pump into it. Open rams and work pipe - stuck.

Bleed well through HCR valves; work pipe. Gas came around, pipe still stuck. Shut well in, pressure up casing. Pipe freed up. Blew heavy returns around. As soon as pump on hole, hole fell in. Could not circulate. Pressure up casing with water to 1300 psi. Well bridged off above coal zone inside 7" casing. Sealed off gas. Pressured up casing with water to 1300 psi. Work pipe free. Open HCR valves. Well unloaded. Circulate hole with 3 BPM water. Returns 1/2" and less coal (98%) and siltstone in black water.

Completion Report - NEBU #424
August 17, 1990

p. 2

(Continued)

Circulate with 3 BPM water. Returns heavy to light 1/4"
and less coal (98%) and siltstone in black to gray water.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-18-90 TIH to check for fill (4' of fill).

Circulate and work pipe at TD with 3 BPM water. Returns heavy to moderate 1/8" and less coal in black to dark gray water.

Circulate and work pipe at TD with 5 BPM water. Returns moderate to light 1/8" and less coal in gray water.

Circulate and work pipe at TD with 7 BPM water. Returns light 1/16" coal in gray to clear water.

Shut well in, open choke on manifold, pump 3 BPM and load hole. Rig up to pump across stack to mud pit.

Lay down 13 jts 3-1/2" drill pipe, land drill pipe in tubing hanger.

Nipple down stripping head and top BOP and rig up OTIS snubbing equipment.

TIH with 13 jts drill pipe, check for fill.

8-19-90 Tag bridge at 2915'. Circulating and washing liner through bridge to 2918'.

TIH, tag 4' fill. POOH strapping pipe with 500 psi on back side.

Change rams to 4-3/4", snub drill collars out of hole.

Change rams to 5-1/2", snub 5-1/2" liner in hole; liner length 359.90'.

Pick up hanger, change rams to 3-1/2", fill liner with water. TIH with 3-1/2" drill pipe, fill every row of drill pipe with water.

(Cont'd)

8-19-90 Tag fill at 2915', circulate and wash down.

8-20-90 Waiting on mud.

Wash on bridge at 2918', circulate liner to 3030' (TD) with 300 psi on back side.

Drop ball to set hydraulic hanger, kick pump out at 800 psi. Pump clutch did not disengage, pressure went to 2500 psi; pressure sheared all pins in hanger. Open annulus, bleed gas out of hole. Hydraulic releases did not function, released manually.

Circulate gas out of hole. Lay down 2 jts 3-1/2" drill pipe and rig down Otis snubbers. Nipple up top BOP.

Lay down 3-1/2" drill pipe.

Change rams to 2-7/8", pick up 2-7/8" tubing with F nipple (2.25" ID) 1 jt off bottom with expendable check mill on bottom. Tag liner top at 1982', liner leaking gas. Moved up hole 784', fill hole with water, pick up tubing off liner top, gas and water blowing through tubing.

Wait on Jay Wireline to set plug in F nipple.

Rig up Jay Wireline, run gauge ring in tubing, stopped at 1785'.

Wait on mud.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

**LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico**

8-21-90 Mixing mud.

**Wait on mud (hauled 200 Bbls mud from Mackey yard). Mix
mud: 11.4 ppg, viscosity 50 sec.**

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-22-90 Fishing for 2-7/8" tubing.

Mix mud: weight 11.4 ppg, viscosity 55 sec.

Displace hole with mud (11.4 ppg, viscosity 55 sec), circulate at 1955'. Mud returns gas-cut, could not pump through liner with 1600 psi.

Mix weight material, bring mud weight up to 11.8 ppg.

Slug tubing, POOH. Fish is 26.67' of 2-7/8" tubing with mill on bottom.

Wait on fishing tools.

Pick up fishing tool, mill control, OS bumper sub, string float, six 4-3/4" drill collars, 1 jt drill pipe, and F nipple (2.25" ID). Overall length = 299.69'. RIH on 3-1/2" drill pipe, circulate on top of fish at 1955'.

Mill on tubing.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-23-90 Milling on fish @ 1928'.

Fish on tubing with overshot. TOOH with overshot.
Circulate and mix mud to 11.9 ppg.

TOOH, no fish. Bottom of guide scarred 8-10" up inside,
but did not get up to grapple.

Wait on tools, order new guide with cut-rite.

Pick up fishing tool, tag fish at 1925'. Mill 3-1/2' to
1928.5' - mill gave out, no penetration.

TOOH, cut-rite gone.

Pick up Homco super mill and TIH. Break circulation and
start milling 2-7/8" tubing; made 2' in 1-1/2 hours -
1928.5' top of fish.

Mud weight 11.9 ppg, viscosity 59 sec.; 800 psi.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-24-90 Milling on fish @ 1932.5'; made 1-1/2' in 2-3/4 hours.

Mill on fish with 6-1/4" mill; top of fish at 1931'.
Made 1' in 3-3/4 hours. Mud weight 11.9 ppg, viscosity
59 sec.

POOH, lay down 6-1/4" mill, pick up box top, TIH to
1931', pick up swivel and break circulation. Try to
catch fish for 3 hours.

POOH with box top, recovered 4" x 4-1/2" piece of metal
(appears to be from liner tie-back sleeve).

Wait on fishing tools.

Pick up 4-1/2" mill, string mill, and 6-1/4" blade
stabilizer; overall length = 8-1/2'.

Tag top of fish at 1931'; break circulation and start
milling. Change wash pipe on swivel. Mill on fish at
1932.5'.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-25-90 Wash over fish, made 1-1/2' in 4 hours.

Mill with 4 1/2" OD, concave mill at 1932'. Made 2' in 5 hrs.

POOH with mill #1. Bottom of mill was flat with sides rounded off.

Pick up 4 1/2" Homco super mill with concave bottom. 4 1/2" string mill and 6 1/4" stabilizer.

TIH, tag fish at 1932'. Work mill through 6" tight spot. Made 3" in 7 1/2 hrs. POOH with mill #2. Recover 1 1/2' piece of flat tubing rapped around mill.

Pick up 32' 6" wash pipe with cutrite shoe. Tag fish at 1932'. Wash over junk to 1933 1/2' in 4 hrs.

Mud weight 11.9 ppg, viscosity 60 sec.; 600 psi.

8-26-90 Circulate hole clean. Prep to POOH.

Wash over fish at 1934'. Made 1/2' in 3 hrs. Started torquing up, could not get any deeper.

POOH with wash pipe. Pipe drug for 35' (20000# over). Jars tripped. Pipe came free.

POOH, rotary shoe was completely worn out.

Lay down wash pipe and jars. Pick up bumper sub and 6 1/4" super mill. TIH, mill on fish. POOH with 6 1/4" mill. Mill was worn down with rounded corners.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

(cont'd)

8-26-90 Pick up new 6 1/4" 4 bladed mill. Ran 2 junk baskets above of mill. Mill 2' on fish. Fish started moving down hole. Push fish down hole 16'. Mill 1' on top of liner. Recovered pack off rubber.

Circulate hole clean. Prep to POOH.

8-27-90 Pick up 3 1/2" drill pipe.

Circulate hole, clean off top of liner.

POOH with 6 1/4" mill. Lay down 6 1/4" tools.

Pick up 4 1/2" mill. One drill collar and TIH on 3 1/2" drill pipe.

Tag fish at 1946'. Try to get 4 1/2" mill in liner. Liner went down hole to 2107'. Push junk inside liner down 37'. POOH, Lay down 4 1/2" tools. Pick up 4.875" speer. TIH with speer. Work speer into fish. Catch fish. Pick up, no drag. POOH with fish.

Well kicked. Shut in well. Bleed gas off casing. Finish POOH.

Set liner in slips. Bread down and lay down fishing tools.

Lay down liner hanger and 6 jts of liner. Well kicked. Load hold with mud (11.9 ppg, viscosity 62 sec.), lay down 5 jts liner. Shut blind rams.

Pump into well with 11.9 ppg, viscosity 62 sec. Kill well.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

(cont'd)

8-27-90 Pick up 6 1/4" Smith FDT, 6 - 4 3/4" drill collars and
TIH.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-28-90 Washing to bottom with 2 MM air and 3 BPM water. Now 5
jts from TD. Hole very sticky, making heavy coal.

Pick up 3-1/2" drill pipe and TIH to 2509', tag bridge.
Pick up swivel.

Circulate mud out of hole, recover approximately 65 Bbls
mud.

Wash through bridge at 2531', had 25' fill. Well started
unloading.

Blow well through both blooie lines with 120 psi on BOP
stack. Returns heavy coal.

Wash to bottom, hole very sticky. Pipe stuck twice.
Returns heavy coal in black water.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-29-90 Short tripping..

Wash back to TD, tight spot at 2845'. Returns heavy coal in black water.

Circulate and work pipe at TD with 2 MM air. Sweep hole with 6 Bbls water every 10 minutes. Made heavy coal for 2 hours after getting back on bottom. Pipe stuck twice, went to 4 MM air. Blow well for 2-1/2 hours. Returns very light coal and coal powder.

Load well with water, pump across stack with 300 psi losing 5 Bbls per hour.

Lay down 12 jts drill pipe, land drill pipe in tubing hanger.

Nipple down stripping head, nipple up BOP stack and Cudd pressure control.

Test snubbing stack to 2000 psi, held OK.

Pick up 12 jts 3-1/2" drill pipe. TIH, no fill.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-30-90 Laying down 3-1/2" drill pipe.

Made short trip to TD, no fill.

Strip out of hole with 3-1/2" drill pipe. Rig up to snub drill collars out of hole; lay down drill collars.

Change rams, rig up and snub liner in hole; 750 psi at surface.

Strip drill pipe in hole.

Tag 113' off bottom, pick up swivel; circulate and rotate pipe. Liner fell through bridge, RIH to TD, had 1-1/2' fill, circulate to TD. Pick liner up 2' off bottom,

Rig up Howco to set liner hanger; pressure up to 1320 psi to set slips and 2500 psi to set pack-off; Backside died. Release setting tool from liner, well started to blow, apparent float leak in liner V-shoe.

Sting back into liner with setting tool, load backside and pressure to 750 psi to test hanger pack-off - held pressure OK for 30 minutes. Release pressure on backside, sting out of liner, pressure drill pipe to 3400 psi. Slide sleeve in setting tool to pull dry string.

Strip out of hole with 3-1/2" drill pipe.

Ran 10 jts (363.97') 5-1/2" 23# L-80 casing. Ran 3 full jts non-perfed; 4 full jts perfed and plugged; 1 half jt non-perfed; and 2 half jts perfed and plugged.

Top of liner	2664.03	Perfs:
Bottom of V-shoe	3028'	3005.32-3027.00
Overlap	65'	2966.86-2836.08
		2813.55-2770.54

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 424 - Basin Fruitland Coal

LOCATION: 2100' FNL, 1330' FWL
Section 4, T30N, R7W
San Juan County, New Mexico

8-31-90 Rig released.

Lay down drill pipe. Rig up to run 2-7/8" tubing. Lay down corkscrewed tubing from derrick - junk 30 jts 2-7/8" tubing.

Pick up mill and 2-7/8" tubing, snub and strip in hole.

Mill out plugs to TD at 3026', lay down 3 jts, land tubing at 2966.06'.

Run 96 jts (2952.06') 2-7/8" 6.4# J-55 EUE 8rd FBNAU tubing; F nipple (2.25" ID) at 2935.75'.

Land donut in tubing head, rig down Cudd and snubbing stack. Nipple down mud cross and BOP. Install wellhead, Pump off expendable mill.

Last 3/4" choke flow test - 10.1 MMCFD.
Estimated final flow rate - 18+ MMCFD.