

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDREY 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

- 5. Lease Designation & Serial #:
SF-079045
- 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.# 478
- 9. API Well No.:
30-045-27244
- 10. Field & Pool/Expltry Area:
Basin Fruitland Coal
- 11. County or Parish, State:
San Juan, NM

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)
1140' FSL, 790 FWL - Sec. 21, [REDACTED]

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

TYPE OF SUBMISSION	TYPE OF NOTICE
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recomplet
<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
	<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

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

RECEIVED
MAY 29 1990
OIL CON. DIV.
DIST. 3

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.)*

- 2-22-90 Move in and rig up.
Test blind rams, manual valves, and manifold to 2000 psi.
Pick up 6-1/4" bit.
- 2-23-90 Ten 4-3/4" drill collars, and drill pipe.
Test pipe rams and casing to 2000 psi - held OK.
Drill cement 2945-2995', float at 2953', 7" casing shoe at 2996'.
With water. TD at 3321.

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

Signed: William F. Clark WILLIAM F. CLARK Title: OPERATIONS MANAGER Date: 26 April 90

(This space for Federal or State office use)

Approved By _____ Title _____ Date _____
Conditions of approval, if any: **ACCEPTED FOR RECORD**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency or the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MAY 10 1990
FARMINGTON RESOURCE AREA

NMOCD

BY [Signature]

RECEIVED
MAY 19 1964
OIL CONTROL DIV.
DIST. 3

ACCEPTED FOR DEPOSIT
MAY 19 1964
FEDERAL BUREAU OF INVESTIGATION
BY _____

Coal Intervals:3044-3045'
3057-3058'
3103-3107'
3108-3109'
3111-3116'
3118-3127'
3129-3131'
3132-3135'
3144-3153'
3182-3184'
3268-3271'
3305-3306'

Top of PC tongue at 3190'; main PC at 3310'.

2-24-90 Circulate at TD with air and water. Very little coal in returns.

Hole sloughed and stuck pipe. Shut in well, pipe free at 3150'.

Clean out to TD with air and water. Heavy 3/4" and smaller coal, decreasing to clear water.

Gauge well through 2" with pitot tube, 1 hr - 3042 MCFD. Shut in well for pressure build up: 1/4 hr - 430 psi, 1/2 hr - 790; 3/4 hr - 930; 1 hr - 1000 psi.

Water production - 270 BPD.

Hole sloughed, shut in, pressure up to 650 psi on backside, lay down 5 jts pipe (3150'). Pipe free.

Clean out to TD with air and water, heavy coal decreasing to clear water.

2-25-90 Circulate at TD with air and water. Hole was sloughing, sticky at times, light to moderate coal returns with clear water.

Short trip to gauge well: 1 hr - 3758 MCFD.

TIH. Clean out to 3244' with water, hole sticky, could not rotate. Work pipe, very heavy coal returns with black water.

2-26-90 Blow well at TD with air and water. Returns light to moderate 1/4" and smaller coal.

Blow hole with air, reduce water. Light to moderate coal, pipe would torque up and get sticky.

Stuck pipe, shut in, build pressure and pull to 3150' to free pipe. Clean out to TD with water.

Blow well with air and water. Had moderate 1/4" coal in returns.

- 2-27-90 Pipe sticky, pulled up to 3181', pipe was free, no torque. Clean out to TD with water, heavy coal in returns, stuck pipe and shut in well. Build pressure, pipe became free, bleed off pressure through manifold.
- Blow well with air and water, moderate 1/4" and smaller coal in returns.
- Short trip to gauge well through 2" with pitot tube: 1 hr - 4563 MCFD. Estimated water production 380 BPD.
- TIH. Tag at 3124'. Clean out to 3181', moderate to heavy 1/4" and smaller coal with some shale, hole sticky with high torque.
- 2-28-90 Circulate at 3150' with various air and water rates. Returns heavy to moderate 1/8" coal in black water.
- Made connection - stuck pipe, worked loose, laid down 1 jt. Circulate at 3150' with air and water. Returns heavy to moderate 1/8" and smaller coal in black water.
- Circulate @ 3150' with various air and water rates and water. Returns heavy to moderate 1/8" and smaller with heavy coal dust in black water.
- 3-01-90 Circulate at TD with water. Returns moderate to light 1/8" and less coal with shale, siltstone, coal dust, black water.
- Circulate at TD with air and water through one blooie line. Returns moderate coal fines, coal dust, black water, hole becoming sticky.
- 3-02-90 Circulate at TD with water through one blooie line. Returns clear water after unloading moderate coal. Added air. Well unloaded heavy 1" and less rounded coal, black water.
- Circulate at TD, hole got sticky, turned well through choke manifold until pipe came free.
- Circulate at TD with water. Returns heavy 1" and less coal (95%) with shale and siltstone in black water. After three hours returns reduced to moderate to light 1/4" and smaller sharp-shiny coal, shale and siltstone in black water. Very little hole problems.
- 3-03-90 Circulate at TD with water. Returns are light coal, 1/8" minus with gray water and gas; hole free.
- Rigged up Cudd Pressure Control equipment and tested BOPs - held OK.
- Slowly released back pressure from 300 psig to open on one blooie line. Circulated with water. Returns heavy coal, 1" minus, with black water; hole sticky.
- 3-04-90 Circulate and work pipe with water, not holding back pressure. Pipe stuck, worked pipe free.

Clean out to 3200', returns heavy coal, 3/4" minus 70%, shale and siltstone; some coal chunks 1" to 1-1/2". Pipe stuck, pulled up to 3140' to be free. Clean out from 3140' to 3200', hole sticky.

Held back pressure again and attempted to clean out; hole very sticky. Released back pressure and cleaning out at 3213' with 6 water.

3-5-90 Release back pressure, open blooie line. Ran polymer sweep. Returns 1/2" coal, shale and siltstone for in black water, then clear water.

Close blooie line, circulate through choke manifold slowly building 300 psi back pressure.

Circulate at TD, pump pressure increased, lost circulation, unable to rotate pipe.

Pull and lay down 5 jts of pipe before circulation and rotation was reestablished, no drag.

3-05-90 Circulate and work pipe with water holding 300 psi back pressure. Returns clear water.

3-06-90 Work pipe with BPM water with 300 psi back pressure. When pump pressure reaches 800 psi, pipe rotation is lost. Shut down pump, let pressure drop to 400 psi, pipe will come free. Tried various back pressures with no change.

3-07-90 Release back pressure, open blooie line, pump pressure dropped to 300 psi. Tried to increase pump rate; when pressure gets to 500 psi, rotation is lost. Got black water returns for 15 minutes, then water cleared up.

Strip out of hole with 3-1/2" drill pipe. Change pipe rams. Strip out of hole with drill collars. Lay down bit #1, 6-1/4" Smith FDT. Rig up to snub back in hole.

Pick up 6-1/4" bit, drill collars. Strip in hole with drill collars and 3-1/2" drill pipe.

Gauge well through 3/4" choke: 1-1/2 hrs - 1006 MCFD.

3-08-90 Load hole with water. Strip out of hole, lay down 3-1/2" drill pipe and 4-3/4" drill collars.

Change rams, rig up to snub 2-7/8" tubing.

Load tubing with water, pump 3 Bbls through check, land tubing. Rig down Cudd. Nipple down BOP and nipple up tree. Pump off expendable check.

Ran 96 jts (2977.69') 2-7/8" 6.5# J-55 US Steel FBNAU tubing, landed at 2991', F nipple (2.25" ID) at 2958'.

3-09-90 Rig released.

3/4" choke.

Gauge (80+12)(12.365) = 1137 MCFD (wet), 300 BWD. Gauge 2-27-90:
4563 MCFD (wet), 380.

Shut in well. After one hour tubing pressure 310 psi, casing
pressure 1000 psi. After two hours tubing pressure 530 psi, casing
pressure 1050.

Rig down to move.