

**UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT**

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

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 SWD

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)
 555' FSL, 720' FML
 Section 11, T31N, R7W

- 5. Lease Designation & Serial #
 NM03358
- 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. NM SWD #2
- 9. API Well No.:
 30-045-28553
- 10. Field & Pool/Expltry Area:
 Wildcat Morrison/Entrada
- 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 type="checkbox"/> Other:
	<input checked="" type="checkbox"/> Change of Plans
	<input checked="" 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.)

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.)*

2-04/06-92 MIRU. RIH with 6-1/8" bit on 3-1/2" tubing. Drill cement and float collar from 9154' to 9210'. Circulate hole clean and POOH with tubing and bit.

2-07-92 Run GR/CCL/CBL logs. Pressure test casing and BOP to 4500 psi - held OK 10 minutes. Perforate Entrada with 1 shot each at: 8990', 8992', 8994', 8998', 9000', 9002', 9014', 9016', 9018', 9020', 9022', 9024', 9031', 9033', 9037', 9039', 9060', 9062', 9064', 9066', 9068', 9091', 9093', 9095', 9097', 9099' (total of 26 shots).

ACCEPTED FOR RECORD

MAR 24 1992

FARMINGTON RESOURCE AREA

BY: [Signature]
 TITLE: OPERATIONS ENGINEER

019 FARMINGTON N.M.
 92 MAR 23 PM 1:45
 RECEIVED
 BLM
 3/20/92

(continued on attached page)

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

Signed: [Signature] AL RECTOR

(This space for Federal or State office use)

Approved By _____ Title _____ Date _____
 Conditions of approval, if any:

2-08/13-92 RIH with 7" perforation isolation packer assembly. Isolate perfs 9091-9099'. RU 3-1/2" swab tools, swab fluid level down to 7500', unable to recover fluid sample from Entrada. Open bypass valve in packer assembly and spot 10 Bbls 7-1/2% inhibited FeHCl acid across perf interval. Break down five perfs 9091-9099' by method of isolation, establish injection rate of 3 BPM @ 2800 psi. Unable to break down remaining Entrada perfs due to tool failures.

2-14-92 Treat Entrada with 78,500# 20/40 Ottawa sand and 76,132 gal. fluid. Average treating pressure 2540 psi @ 46 BPM. ISIP - 2180 psi, 15 minutes - 1400 psi. Run 7" Baker retrievable bridge plug and set at 8860'.

2-15/18-92 Pressure test bridge plug to 4500 psi for 10 minutes - held OK. Perforate Bluff with one shot each at: 8690', 8692', 8702', 8705', 8739', 8744', 8748', 8754', 8756', 8762', 8766', 8770', 8779', 8782', 8785', 8788', 8801', 8803', 8806', 8812', 8815', 8818', 8820', 8828', and 8832' (total of 25 holes). RIH with 7" perforation isolation packer assembly, spot 10 Bbls of 7-1/2% FeHCl across perf interval, break down individual perfs by method of isolation. POOH with packer assembly.

2-19-92 Finish POOH with 7" packer assembly and lay down tools. Treat Bluff with 70,000# 20/40 Ottawa sand and 32,000 gal. fluid. Average treating pressure 2600 psi @ 42 BPM. ISIP - 2230 psi, 15 minutes - 1731 psi.

2-20/24-92 Set 7" retrievable bridge plug on wireline at 8658'. Pressure test bridge plug to 4500 psi - held 15 minutes OK. Unable to perforate due to sand fill on top of plug. RIH with 3-1/2" tubing and 6-1/8" bit and clean out sand to 8652'. POOH with 3-1/2" tubing. Perforate Morrison with one shot each at: 8276', 8278', 8280', 8282', 8284', 8286', 8288', 8392', 8395', 8399', 8402', 8405', 8476', 8479', 8482', 8495', 8499', 8503', 8511', 8514', 8517', 8520', 8524', 8527', 8530', 8535', 8539', 8551', 8554', 8557', 8564', 8567', 8570', 8577', 8580', 8583', 8591', 8593', 8636', 8645', and 8648' (total of 41 shots). RIH with 7" perforation isolation packer assembly on 3-1/2" tubing, spot 18 Bbls 7-1/2% FeHCl across perf interval. Break down Morrison perfs by method of isolation. POOH with packer assembly.

2-25-92 Finish POOH with packer assembly. Treat Morrison with 180,000# 20/40 Ottawa sand and 127,400 gal. fluid. Average treating pressure 3640 psi @ 71 BPM. ISIP - 2950 psi, 15 minutes - 1947 psi.

2-26/3-02-92 RIH with bridge plug retrieving tool on 3-1/2" tubing. Clean out fill, latch on and release plug, circulate hole clean and POOH with bridge plug. RIH with 6-1/8" bit, clean out 126' of sand to 9210'. Circulate hole clean and POOH with bit and 3-1/2" tubing, laying down work string.

3-03-92 Run pressure bombs on slick line and hang off at 8700'. Perform step rate test as follows:

Stage	Injection Rate (BPM)	* Surface Pressure (PSIG)	Stage Duration (minutes)
1	0.57	224	15
2	1.04	244	15
3	1.53	281	15
4	2.01	313	15
5	3.00	372	15
6	3.98	444	15
7	5.00	524	15
8	7.04	662	15
9	8.99	814	15
10	10.98	967	15
11	13.03	1070	8

ISIP - 960 psi

* Observed pressure at end of each stage.

3-04/05-92 Set 7" Baker Model F permanent packer on wireline at 8170'. PU seal assembly, 1 jt 3-1/2" 9.3# J-55 internally coated tubing, and F nipple (2.81" ID) and RIH with 2 jts 3-1/2" 9.3# J-55 internally coated tubing. Displace annulus with 215 Bbls fresh water treated with 1% KW-37 packer fluid. Land seal assembly in packer with 48,000# compression. ND BOP, NU wellhead. RU hydrotest truck and pressure test tubing, seal assembly, and packer to 2600 psi - held OK for 15 minutes. POOH with FWG blanking plug. Release rig at 7:00 p.m., 3-04-92.