

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Budget Bureau No. 1001-015
Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		2. NAME OF OPERATOR Blackwood & Nichols Co., Ltd.		3. ADDRESS OF OPERATOR P. O. Box 1237, Durango, CO 81302		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 900' F/NL, 1350' F/EL		5. LEASE DESIGNATION AND SERIAL NO. SF 079060		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
14. PERMIT NO. 30-039-24216		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3560'		7. UNIT AGREEMENT NAME NEBU		8. FARM OR LEASE NAME Northeast Blanco Unit		9. WELL NO. 413		10. FIELD AND POOL, OR WILDCAT Basin- Fruitland Coal	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA B-20-30N-7W		12. COUNTY OR PARISH Rio Arriba		13. STATE New Mexico		16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data					

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANE	<input type="checkbox"/>	(Other) Completion	<input checked="" type="checkbox"/>		
(Other) _____							
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)							
17. 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.)*							
<p>Spud 12 1/4" hole 5-25-88. Drilled to 320'. Ran 7 jts. 9 5/8" 36# J-55 to 319'. Cemented with 250 sx. (295 cf) Class B. Circulated to surface. Pressure tested surface to 600# - ok 6 3/4" Core #1 - 3157' to 3177' (20'), recovered 15', all coal. Core #2 - 3194' to 3210' (16'), recovered 16', 5' shale, 11' coal. Core #3 - 3227' to 3239' (12'), recovered 11.8', mostly coal. Core #4 - 3255' to 3267' (12'), recovered 11.1', 8' coal, 3' sandstone (3264' to 3267'). TD 3520', Mud Wt. 11.2 ppg., VIS 50, W.L. - 9.5. Survey @TD 1°. Ran Induction, Density, Neutron and Sonic logs. Cement 1st stage with 105 sxs. Class G (132 cf). DV at 2910'. 2nd stage 315 sacks (561 cf) 65/35 Poz, 100 sxs. Class G (118 cf). Temperature Survey: Top of Cement at 244'. Ran CBL, GR and CCL from 3476' to 2000'. PBTD - 3476'. Perforate 3255' to 3265', 3226' to 3242', 3192' to 3206', 3208' to 3211', 3162' to 3182', 3152' to 3162'. Well started flowing solid stream of water, then gas cut water, then unloaded fairly good. AM gauge - 5 ounces - 354 MCFD with no water. Well shut in for build up pressure survey. SICP - 1380 PSI. 7-21-88 - Rig up Drake Rig No. 21. Gas Analysis: Methane - 87.715%, Carbon Dioxide - 10.539%, Nitrogen 1.469%, C2 plus 0.277%, BTU - 891.2. 9-15-88 Tentative production test: Gas - 45 MCFD, 38 BWD. 9-16-88 Gas - 45 MCFD, 6 BW. Bottom Hole Flowing Pressure - 500 to 560 psia. 9-23-88 Frac well (9-22-88) all perforations. 82,000 gallons 30# X-link Borate gel, 40,000# 40/70 sand, 220,000# 12/20 Brady sand. 10-6-88 Blew well to pit. Well died down and logged off after 2 more hours. Shut well in.</p>							

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

SIGNED <u>William F. Clark</u>	TITLE <u>Operations Manager</u>	DATE <u>March 14, 1989</u>
(This space for Federal or State office use)		

APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____		

*See Instructions on Reverse Side

Completion Sundry
Well No. 413
(continued)

- 11-02-88 Spot 12 bbls. of Dowell MSR 7 1/2% HCL acid down tubing.
Displace acid with 12 1/2 bbls. of produced water down annulus
at 3/4 BPM. Initial pump pressure at 100 PSIG ending 550 psig.
- 11-06-88 SICP = 275 PSIG. SITP = 955 PSIG.
- 11-17-88 2 7/8" tubing set at 3350'. 2 1/2" x 2" x 20' RWAC-EQ pump.
131 Class D 7/8" rods, 4' pony and 26' polished rod. Hang head on
pumping unit and bridle on head. Shut in well pending test prior to
pipeline connection availability.