

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 or to deepen or reentry to a different res
Use "APPLICATION FOR PERMIT-" for such proposals

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

5. Lease Designation and Serial No.
SF-079073

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designatio
Northeast Blanco Unit

8. Well Name and No.
NEBU 463

9. API Well No.
30-045-27417

10. Field and Pool, or Exploratory 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 and Telephone No.
P.O. Box 1237 Durango, CO 81302-1237

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
UNIT J, 2485' FSL, 2400' FEL, Sec. 18, T.30 N., R.7 W.

Elev:

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input 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
	(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 dates, including estimated date of starting any proposed well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to th

Plans are to install a verticle cathodic ground bed at the Northeast corner of the NEBU 463 well location. The ground bed will be drilled within the previously disturbed area of the well pad, with a small truck mounted rig. This project is located on Bureau of Reclamation lands.

For a more detailed description of the ground bed, see Attachment "A".

RECEIVED
MAY 6 1992
OIL CON. DIV.
DIST. 3

APPROVED

MAY 3 1992
AREA MANAGER

RECEIVED
BLM MAIL ROOM
92 JAN 15 AM 8:20
FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

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

Signed

James K. Allen

Title Operations Engineer

Date 1-9-92

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of aproval, if any:

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

Attachment A

GROUND BED INSTALLATION

Cathodic ground bed installation will consist of a 7-7/8" diameter hole drilled to approximately 500' deep. Depending on hole conditions, drilling fluid type will be one of the following: air, water, foam or bentonite mud. The top 100' of the 7-7/8" hole will be reamed to approximately 10" to accept 8-5/8" OD schedule 40 PVC pipe. The annular space will be grouted with cement. On locations where steel casing is required to maintain surface bore, PVC casing will be installed through steel casing and annular space filled with cement. See attached diagram.

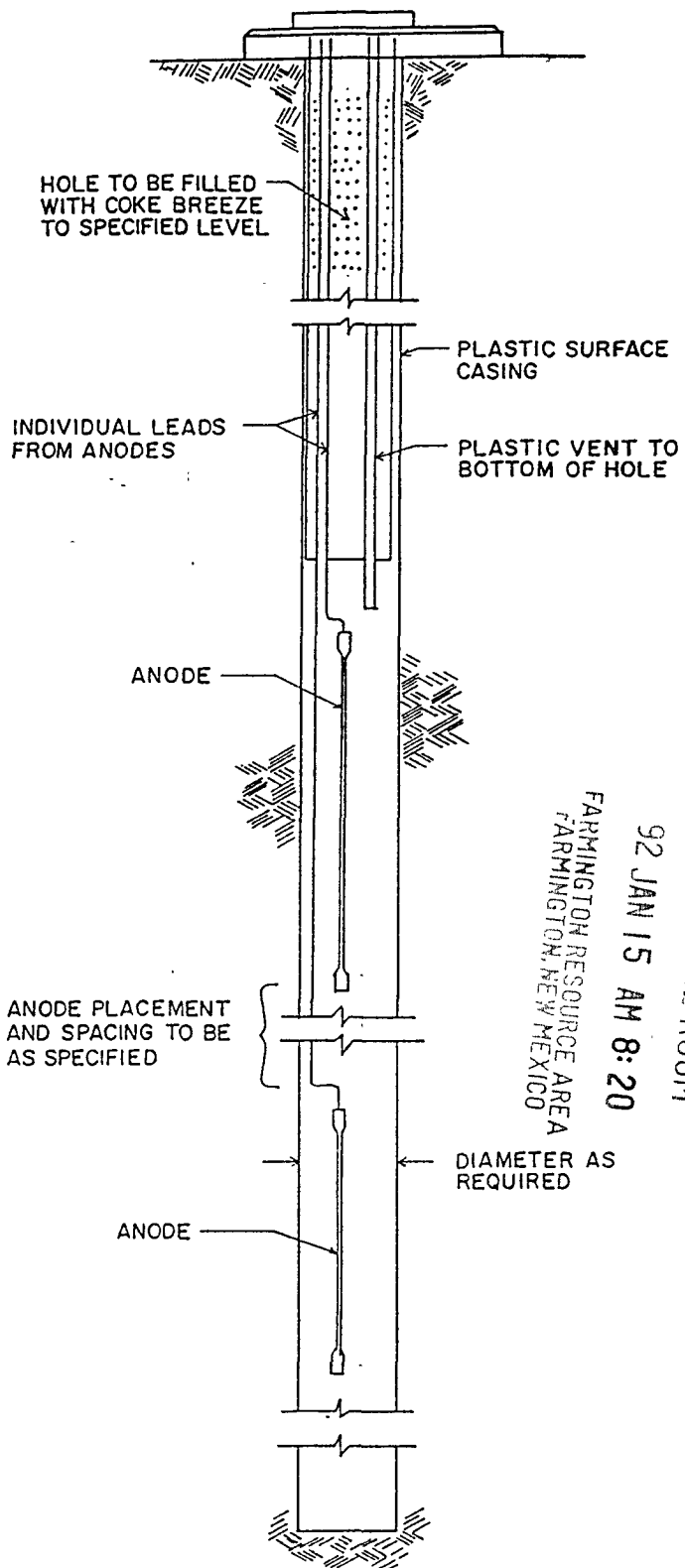
DOWN HOLE MATERIALS

One inch, "Posivent" vent pipe will be installed from bottom of hole to approximately six inches above casing cap. Vent pipe will be perforated from water level to bottom hole with both ends capped. Anode placement will be based on down hole rock type and fluid level. Back fill will be a carbonaceous type material. See diagram.

OPERATION

The cathodic system is designed to prevent casing leaks from external corrosion. This is achieved by impressing a positive current down the ground bed anodes traveling through the rock formations and finally back to the adjacent well bore. A negative cable running from the casing to the rectifier completes the cathodic electrical circuit. After electrical service installation is complete, approximately 15 to 23 amps of +DC power will be impressed down each of the three ground beds. Except for maintenance or ground bed replacement, power will be supplied on a continuous basis throughout the economic life of each well.

RECEIVED
MAIL ROOM
JAN 15 AM 8:20
FACILITY RESOURCE AREA
NEW MEXICO



RECEIVED
81.4 MAIL ROOM
92 JAN 15 AM 8:20

NOTE:

ALL ANODE TAIL WIRES WILL BE PERMANENTLY MARKED AT WELL HEAD

				ENG. RECORD		DATE	
				DRAWN	GV	8/12/91	
				CHECK			
				CHECK			
				CHECK			
				PROJ.			
PRT.	SER.	DATE	TO	W.O.	DESIGN	SCALE	NONE
PRINT RECORD				W.O.		CGC NO.	STD. 177
<p align="center">DEEP ANODE BED CATHODIC PROTECTION DESIGN AND INSTALLATION FOR BLACKWOOD & NICHOLS</p>						DWG. NO.	CPS-STD-1
						REV.	