Form 3160-5
(December 1989)

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: Fee

6. If Indian, Allottee or Tribe Name:

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

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other

2. Name of Operator: Blackwood & Nichols Co., Ltd.

8. Well Name and No.: NEBU 469

3. Address and Telephone No.: P.O. Box 1237 Durango, CO 81302-1237

9. API Well No.: 30-045-27285

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): UNIT H, 1315' FNL, 645' FEL, Sec. 13, T.30 N., R.8 W.

10. Field and Pool, or Exploratory Area: Basin Fruitland Coal

11. County or Parish, State: San Juan, NM

Elev:

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
	[ ] Plugging Back	[ ] Non-Routine Fracturing
[ ] Subsequent Report	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
[ ] Final Abandonment Notice	[X] 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

RECEIVED
BLM MAIL ROOM
92 JAN -6 PM 8 21
FARMINGTON RESOURCE AREA
NEW MEXICO

Plans are to install a verticle cathodic ground bed on the West side of the NEBU 469 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".

ACCEPTED FOR RECORD
FARMINGTON RESOURCE AREA

RECEIVED
MAY 04 1992
OIL CON. DIV.
DIST. 3

MAY 1 - 1992
FARMINGTON, NEW MEXICO
BY

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.

NMOCD

Attachment A

GROUND BED INSTALLATION

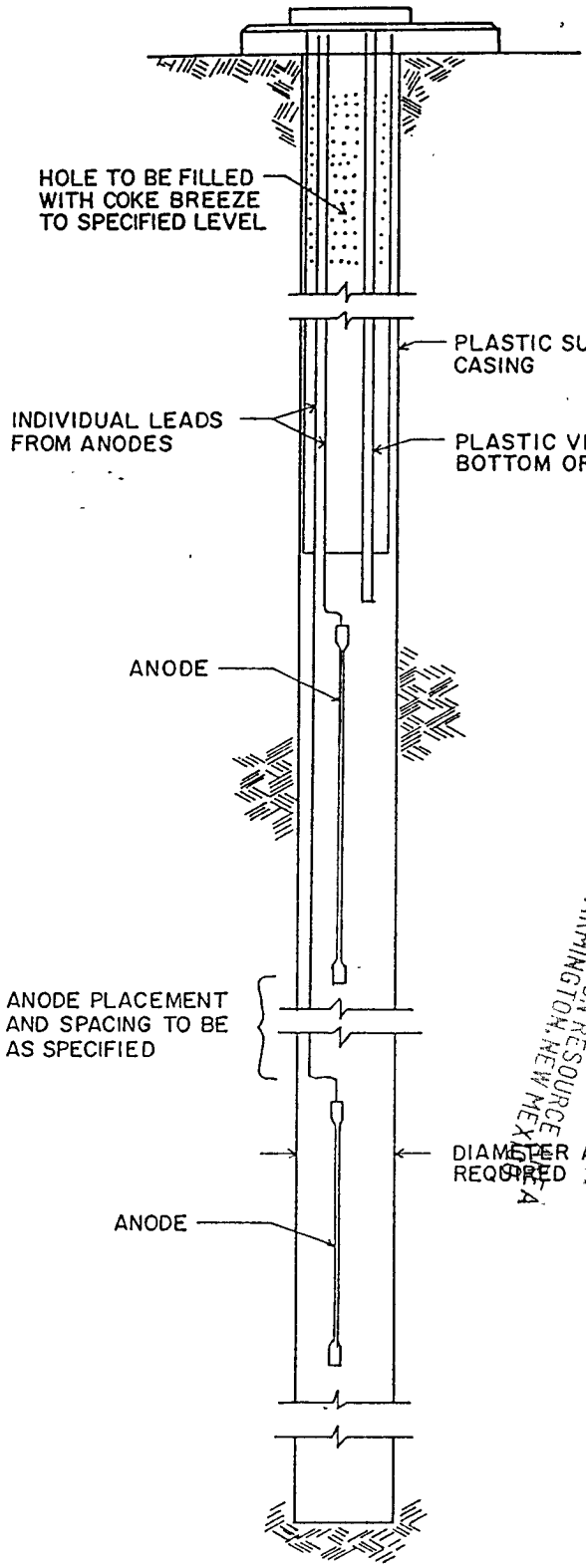
Cathodic ground bed installation will consist of a 7-7/8" diameter hole drilled to approximately 500' deep. Depending on hole conditions, drilling fluid type will be one of the following: air, water, foam or bentonite mud. The top 100' of the 7-7/8" hole will be reamed to approximately 10" to accept 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.



NOTE:

ALL ANODE TAIL WIRES WILL BE PERMANENTLY MARKED AT WELL HEAD

PRT.	SEP.	DATE	TO	W.O.
			PRINT RECORD	

ENG. RECORD		DATE
DRAWN	GV	8/12/91
CHECK		
CHECK		
CHECK		
PROJ.		
DESIGN		
W.O.		

DEEP ANODE BED

CATHODIC PROTECTION DESIGN AND INSTALLATION FOR BLACKWOOD & NICHOLS

SCALE	NONE	DWG. NO.	CPS-STD-1	REV.
CGC NO. STD. 177				