

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Santa Fe 079511	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Blackwood & Nichols Company		7. UNIT AGREEMENT NAME Northeast Blanco Unit No. 1, Sec. 929	
3. ADDRESS OF OPERATOR P.O. Box 1237, Durango, Colorado 81301		8. FARM OR LEASE NAME Northeast Blanco Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2180' F/SL - 890' F/WL At proposed prod. zone Same		9. WELL NO. 63	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/4 Sec. 13-30N-8W NMPM	
16. NO. OF ACRES IN LEASE 140.03		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320 300.03		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Not available until location cleared, (approximately 5800')		22. APPROX. DATE WORK WILL START* July 1, 1974	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9-5/8"	36.00#	300'	Circulate to surface
8 1/4"	7"	23.00#	3200'	Circulate to surface
6 1/4"	4 1/2"	10.50#	5200'	Cement to 3000'

We propose to perforate the Mesaverde Zone and sand-water fracture with approximately 60,000 gallons water and 30,000 lbs. sand.

On 2-26-74, Northeast Blanco Unit Well No. 5X, located 1190' F/SL - 1100' F/WL, Sec. 13-30N-8W, San Juan County, New Mexico, was plugged and abandoned due to an unsuccessful attempt at remedial work. We propose to drill Well No. 5Y reservoir drainage to the SW/4, Sec. 13-30N-8W.

RECEIVED

APR 25 1974

U.S. GEOLOGICAL SURVEY



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED DeLasso Loos TITLE District Manager DATE 4-22-74

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____ DATE APR 23 1974

CONDITIONS OF APPROVAL, IF ANY:

Weld C - 104 for N5L

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir as a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, notations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

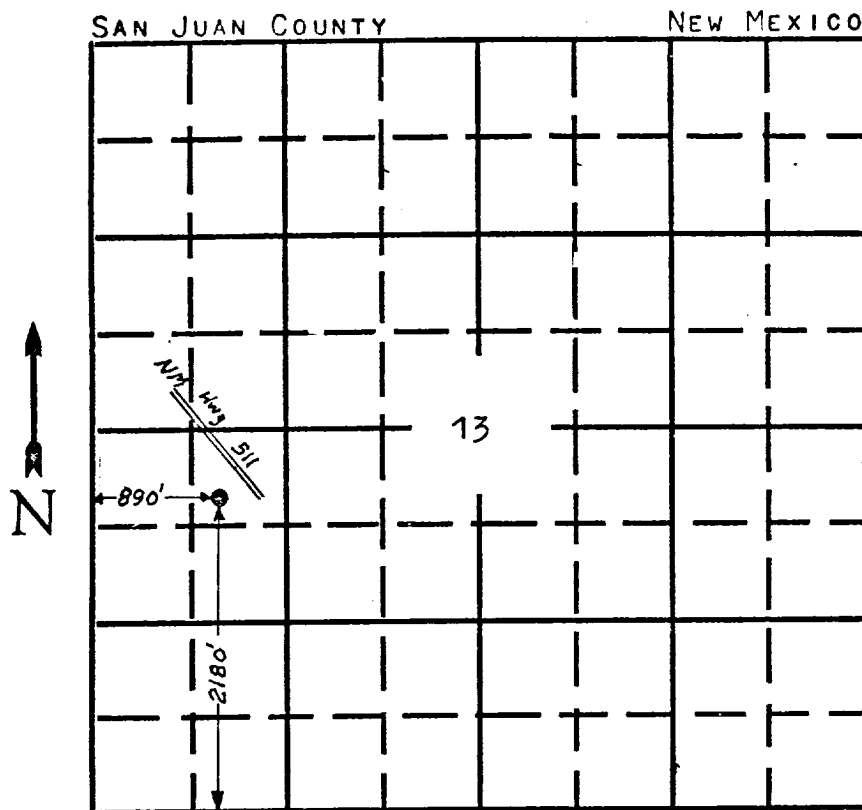
Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

COMPANY BLACKWOOD & NICHOLS

LEASE N.E. BLANCO UNIT WELL NO. ~~57~~ 63

SEC. 13 T. 30 N. R. 8 W. N.M.P.M.

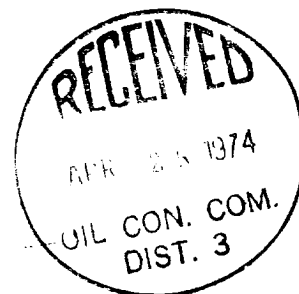
LOCATION 2180' FROM THE SOUTH LINE
890' FROM THE WEST LINE



Scale: 4 inches equals 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Oliver A. Kroeger
KROEGER ENGINEERING CO.
NEW MEXICO REG. NO. 1941



DATE APRIL 4, 1974



BLACKWOOD & NICHOLS COMPANY

P. O. BOX 1237

DURANGO, COLORADO 81302

April 22, 1974

United States Geological Survey
P.O. Box 189
Durango, Colorado 81301

Gentlemen:

Blackwood & Nichols Company, as operator of the Northeast Blanco Unit proposes to drill Northeast Blanco Unit Well No. ~~5~~⁶ to the Mesaverde Zone, located 2180' F/SL - 890' F/WL, Sec. 13-30N-8W, NMPM, San Juan County, New Mexico.

Attached are maps and other data pertinent to the Development Plan for Surface Use.

- I. Existing roads: See attached U.S.G.S. topographic map.
- II. Planned access road: The location is 220' southwest from New Mexico State Highway No. 511, requiring a minimum of access road construction.
- III. Location of existing wells: See attached U.S.G.S. topographic map.
- IV. Lateral roads to well locations: Covered by Nos. 1 and 2.
- V. Location of tank batteries and flow lines: Production tanks are not anticipated on this location.
- VI. Location and type of Water Supply: Water will be hauled by truck transport from the San Juan River approximately two miles west of the location.
- VII. Waste disposal: Waste will be placed in a reserve pit and later buried or burned in a pit which will be covered with earth.
- VIII. Location of camp: None necessary.
- IX. Location of airstrip: None necessary.
- X. Layout of rig, reserve pits, mud tanks etc.: See attached map.
- XI. Upon completion the location will be leveled, reserve pit will be fenced until dry, then filled with existing earth to its original state. The access road will remain with no man made structures visible except well head and meter house.
- XII. Topography: The location will require a ten to fifteen foot cut and blasting of several large boulders to make it suitable for drilling operations.

Very truly yours,

BLACKWOOD & NICHOLS COMPANY


DeLasso Loos, District Manager

DL:lw

cc: Blackwood & Nichols Company
Oklahoma City, Oklahoma

BLACKWOOD & NICHOLS COMPANY
Northeast Blanco Unit No. *Box 63*
2180' F/SL - 890' F/WL, Sec. 13-30N-8W
San Juan County, New Mexico

