(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

## UNITED STATES DEPARTMENT OF THE INTERIOR

30-045-22891

						5. LEASE DESIGNATION AND SERIAL NO.		
GEOLOGICAL SURVEY						Santa Fe 078615		
APPLICATION	N FOR PERMIT	O DRILL,	DEEP	EN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME	
1a. TIPE OF WORK	ILL X	DEEPEN	Г	PLUG BA	ck 🗆	7. UNIT AGREEMENT NORTHEAST BI	ME Unit	
b. TYPE OF WELL	ict 🔼	DEE! E! A		1100 07	ici 🗀	1		
OIL GAS WELL X OTHER			SINGLE X MULTIPLE ZONE		IPLE	Agreement No. 1, Sec. 9 8. FARM OR LEASE NAME		
2. NAME OF OPERATOR						Northeast Bla	anco Unit	
Blackwood & Nichols Co., Ltd.						9. WELL NO.		
						103A 10. FIELD AND FOOL, OR WILDCAT		
P.O. Box 1237, Durango, Colorado 81301 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)						10. FIELD AND POOL, O	WILDCAT	
At surface 1700' F/NL - 790' F/WL						Blanco Mesave		
		/ MT				AND SURVEY OR ARI	ZA.	
At proposed prod. zor Same	ie					Co. 24 20N	) r. r	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*						Sec. 24-30N-8W 12. COUNTY OR PARISH 13. STATE		
Five miles						San Juan	New Mexico	
15. DISTANCE FROM PROPOSED*  LOCATION TO NEAREST						OF ACRES ASSIGNED THIS WELL		
PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)				320		W / 320 /		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED,			19. PROPOSED DEPTH 20		20. ROTA	ROTARY OR CARLE TOOLS		
OR APPLIED FOR, ON THIS LEASE, FT.			6000'		Rotary			
21. ELEVATIONS (Show whether DF, RT, GR, etc.)						22. APPROX. DATE WORK WILL START*		
6340 UG						February 15, 1978		
3.		ROPOSED CASI	NG ANI	D CEMENTING PROGE	RAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	TOOT	SETTING DEPTH	_	QUANTITY OF CEMEN	r	
13-3/4"	9-5/8"	32.00#		250'	1	rculate		
8-3/4"	7"	23.00#		3450'		ment to 2000'		
6-1/4"   4-1/2"   10.50#				6000'	Cem	ement to 3200'		
water and 200,000 cliffhouse 4975 series 10" - 900 equipped with boff lines. And drilled with gath compensated Der	perforate the Mo 000 lbs sand in 5', Menefee 5079 00 - adapted to blind and neces: mud of sufficient as below 7" cas: hsity Gamma-neur	two stages ', Point I Series 10' sary pipe int weight ting.	ELOOKO ' - 6 cams co co	stimated tops: ut 5410', Manc 00 and 6" - 60 will be used w ntrol the Frui be run in open	Fruit os 5520 O hydra ith ade tland w	land 2955', Lew '. A 3000 PSI ulic blowout prequate kill and	wis 3325', WP; reventer bleed	
	de PROPOSED PROGRAM: If proposed Processon of the drill or deepen directionary.  DeLasso	lly, give pertinen	t data o		and measure	d and true vertical depths	s. Give blowout	
(This space for Fede	ral or State office use)	······································			<del></del>			
PERMIT NO.				ADDROUAL DAME				
TARALI OU.				APPROVAL DATE	<del></del> -	DERE		

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY . \_

St. \*See Instructions On Reverse Side

TITLE

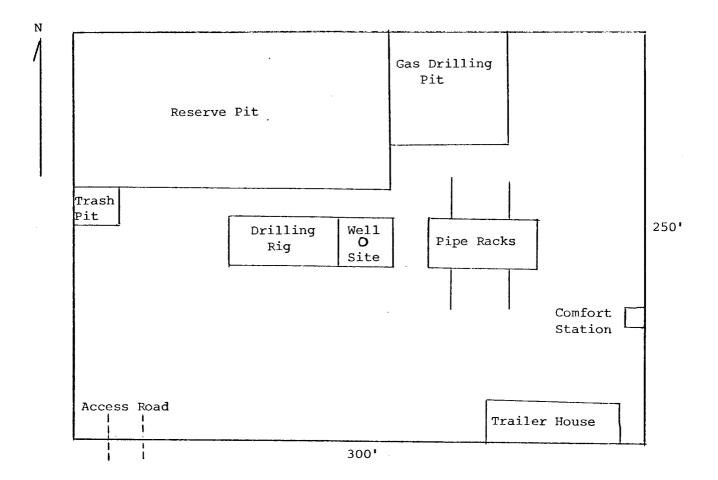
JAN 1 9 1978

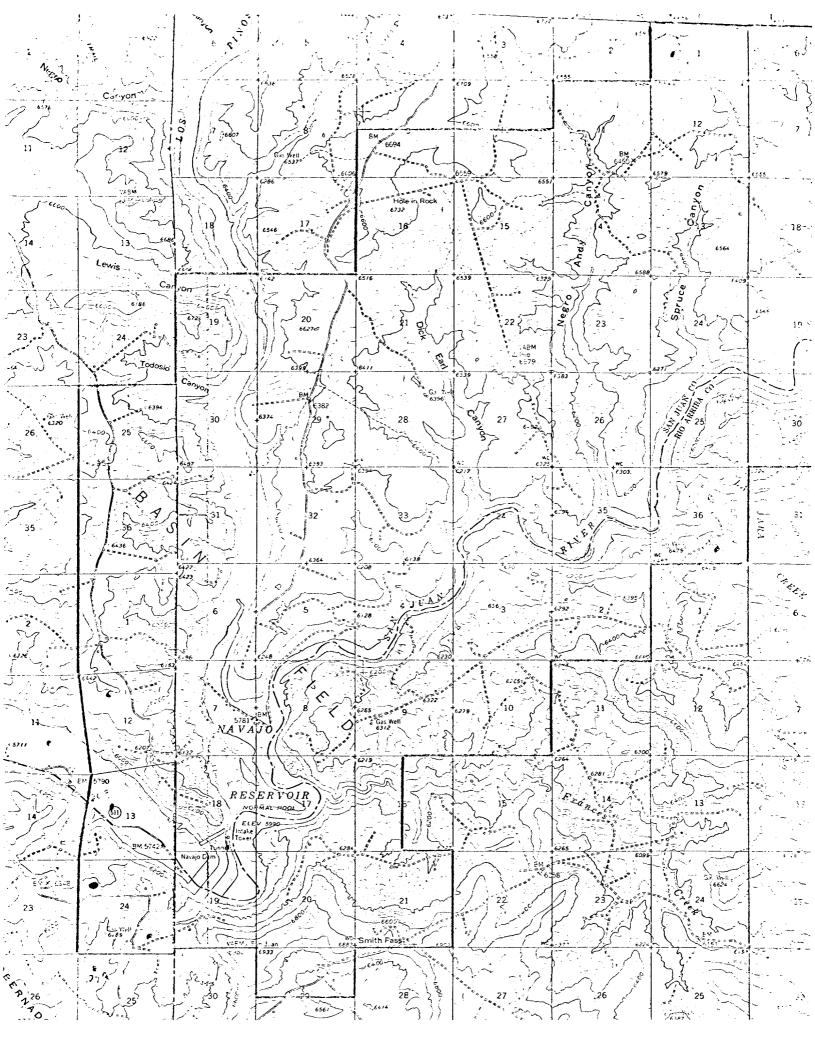
U. S. GEOLOGICAL SURVEY DURANGO, COLO.

All distances must be from the outer boundaries of the Section. C; e:::!or NORTHEAST BLANCO UNIT BLACKWOOD & NICHOLS 103-A Unit Letter Section Township County 24 8w.,n.m.p.m E 30 N. SAN JUAN Actual Footsge Location of Well: 1700 north west feet from the line and feet from the Glound Lovel Elev: Producing Formation Dedicated Acreage: 6340 UG Mesaverde Blanco-Mesaverde 320 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? Unitization XX Yes If enswer is "yes;" type of consolidation \_\_\_\_ No If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)\_ No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the Information contained herein is true and complete to the best of my knowledge and belief. Nertginal signed by DeLasso Loos DeLasso Loos Position Dist. Mgr. District Manager Company Blackwood & Nichols Co., Ltd Date 1-18-78 I hereby certify that the well location shown on this plat was platted from field OIL CON COM. notes of octual surveys mode by me or under my supervision, and that the same DIS Is true and correct to the best of my knowledge and belief. John A. Kroeger, L.S. Cert. No. Certificate No. 

1520 1650 1660, 2310 2640

BLACKWOOD & NICHOLS CO., LTD.
Northeast Blanco Unit No. 103A
1700' F/NL - 790' F/W E-24-30N-8W
San Juan County, New Mexico





## BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237
DURANGO, COLORADO 81301

(303) 247-0728

January 18, 1978

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

Gentlemen:

Blackwood & Nichols Co., Ltd., as operator of the Northeast Blanco Unit, proposes to drill the Northeast Blanco Unit Well No. 103A to prevent reservoir drainage to the NW/4, Sec. 24-30N-8W, San Juan County, New Mexico. The well is to be completed in the Mesaverde Zone.

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, III, IV, VI and IX: See attached maps.
- V. Water will be hauled by truck transport from the San Juan River, approximately four miles southwest of the location.
- VII. Waste material will be placed in a reserve pit and later buried or burned.
- VIII. Camp or airstrip will not be necessary.
  - IX. See attached map of well site layout. (Not to scale)
  - X. Upon completion the location will be leveled to its original state. The access road will remain. The location will be seeded, as per the Bureau of Land Management requirements.
  - XI. The location is relatively level and covered with Cedar and Pinon trees which will be disposed of as per the Bureau of Land Management requirements; an archaeological clearance will be obtained.
- XII. DeLasso Loos, 1032½ Main Street, Durango, Colorado 81301; Telephones: Office: 303-247-0728; Home: 303-247-2345.
- XIII. I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Blackwood & Nichols Co., Ltd. and its contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

Date 1-18-78

DeLasso Loos, District Manager

DL:lr Attachments