SUBMIT IN TRIPLICATE*

Form approved, Budget Burean No. 42 R1415.

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reverse	e side)		- 2

30-145-24449	
5. LEASE DESIGNATION AND SERIAL	ξņ.

Ca. y 1 2011	UETTE	D STATES	•	((ther Instruc- reverse si		30-01/5-2	111.10	
	DEFARTMENT	OF THE II	VTEF	RIOR			5. LEASE DESIGNATION	AND SERIAL NO.	
	GEOLOG	ICAL SURVE	ΞY				SF 079042		
APPLICATION	FOR PERIMIT TO	O DRILL, D	DEEP	EN, OR	PLUG E	BACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME	
la. Type of work DRI	LL 🗓	DEEPEN [7	PI	_UG BA	ck 🗇	7. UNIT AGREEMENT NORtheast BI	Wco Unit	
b. TYPE OF WELL							Agreement #1	, Sec. 929	
OIL GA WELL, W 2. NAME OF OPERATOR	ELL X OTHER			NGLE X	MULTIP ZONE	L.	8. FARM OR LEASE NAM Northeast Bl	Œ	
	Nichols Co., Lt	a					9. WELL NO.	ando onit	
3. Address of Operator	NICHOIS CO., LC	<u>u•</u>					31A		
P. O. Box 1:	237, Durango, Co	lorado 81	301	tata canica	onto #\		10. FIELD AND POOL, O		
At surface			n auy a	state requiren	ients.~)		Blanco Mesav	OLK.	
1770 At proposed prod. zon	O' F/NL - 10' F/	WL					AND SURVEY OR AREA		
Same	e						E-7-30N-7W		
14. DISTANCE IN MILES A	AND DIRECTION FROM NEARE	ST TOWN OR POST	C OFFIC	E.			12. COUNTY OR PARISH	i .	
15. DISTANCE FROM PROPO		<u> </u>	16. NO	O. OF ACRES I	N LEASE	17. No. 0	San Juan OF ACRES ASSIGNED	New Mexic	
LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig	INE, FT. unit line if any)			1779.91	L	тот	298.90		
IS. DISTANCE FROM PROP TO NEAREST WELL, DI	OSED LOCATION*		19. PF	OPOSED DEPT	H	20. ROTA	RY OR CABLE TOOLS		
OR APPLIED FOR, ON THE	IS LEASE, FT.			5725 '		<u> </u>	Rotary 22. APPROX. DATE WORK WILL START*		
21. ELEVATIONS (Show who	-						June 15, 1		
6140' (OPOSED CASIN	G ANI	CEMENTII	G PROGRA	AM	1 00116 13, 1		
SIZE OF HOLE	SIZE OF CASING	WFIGHT PER FO	от	SETTING	DEPTH	1	QUANTITY OF CEMEN	T	
13 3/4"	9-5/8"	36.00#			50'	Ci	rculate		
8 3/4"	7"	23.00#			30 '	-	vo stage to sur		
6 1/4"	4-1/2" Liner	10.50#		57:	25 '	Ci	irculate to top	of liner	
and 200,000 lb Cliffhouse 491 adapted to Ser and necessary sufficient wei 7" casing. Compensated De Blow out preve	perforate the Mes. sand in two some solution of the solution o	tages. Est 5275', ad 6" - 600 e used with the Fruitla cron logs wasted every	stimas and M O hyd th ad and v will y tri	ated top. Mancos 5. Mancos 5. Mraulic 1 Mequate 1 Vill be 1 be run ip. Dlug back, giv	s: Fru 440'. blowout kill and used, w in open	itland A 3000 preven d bleed ell to hole.	2820', Lewis 3 PSI WP; Series nter equipped w d off lines. A be drill wit JUN 2 198 OIL CON. COM DIST. 3	320', 10"-900- 20th blind A mud of 3th gas below	
one. If proposal is to reventer program, if any	1		data o				d and tra. vertical depend	s. Give blowaut	
(SIASIE) / LEVA	<u>L. De</u> Lasso Loos	TIT	LE	DIPLI	ct Mana	751	DATE 3-10		
	ral or State office use)						117		
PERMIT NO.	MENDED KUVED			APPROVAL DA	TE		1250 1 0 100	<u> </u>	
APPROVED BY CONDITIONS OF APPROV	AL IPANYS A	TIT	LE				MAR. 19 198	<u>U</u>	
Jan		oh 3m	A A	te		í	u. S. Geological su Empango, Colo.	SAEK	

*See Instructions On Revene Side

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Superseder C-128 Effective 1-1-65

IN ACKNOOD & NICHOLS Township Town			All distances mi	ist be from th	ne outer bounderie	of the Section.		
Towns. Section Towns. Town	perator	ACKWOOD & T	VICUOLS	Leas		AST BLAN	CO UNIT	
Two Festures Lections of wells 1770 test from the Most well and 10 test from the Most lines 1770 test from the Most well and 10 test from the Most lines 1770 test from the Most werde Date of Most well and 10 test from the Most well and 10 test of actual were years well and 10 test from the Most well and analyses to the Most of any test of an				<u></u>	· · · · · · · · · · · · · · · · · · ·			
1770 test from the DOTTH line and 10 test from the WeSt line 1770 test from the 1770 test	i	7	1		•	Р.И.	SAN JUA	N
10 test from the Most ina Morth income and treat the Most ina Morth income formation (5140 U.G. Mesaverde Blanco-Mesaverde 298.90 Acres (5140 U.G. Mesaverde) Blanco-Mesaverde 298.90 Acres (5140 U.G. Mesaverde) Blanco-Mesaverde 298.90 Acres (5140 U.G. Mesaverde) Blanco-Mesaverde (5140 U.G. Mesa	(ation of Wells		1				· · · · · · · · · · · · · · · · · · ·
Delected Arrespond Foundation 6140 U.G. Mesaverde Blanco-Mesaverde Blanco-Mesaverde 1. Outline the acreage dedicated to the subject well by colored pencil or hackure 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? Yes \(\text{N} \) No If answer is "yes," type of consolidation 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 hareby certify that the information contained five in its true and complete to the best of my handedge and belief. Delasso Loos Position District Manager Common this plut was platted from field mater of could array grade by me and the plut was platted from field mater of could array grade by me and array to the same is true and course to the bear of my knowledge and belief. Dotts Surveyed and belief. No. All No. Continuous Recent to the bear of my knowledge and belief. No. All No. Continuous Recent Contained to the same is true and course to the bear of my knowledge and belief. No. All No. Continuous Recent Contained to the same is true and course to the bear of my knowledge and belief. No. All No. Continuous Recent Contained to the same is true and course to the bear of my knowledge and belief. No. All No. Continuous Recent Contained to the country of the contained to the contained			north	ne cand	10	feet from the	west	line
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deted by communitization, unitization, force-pooling, etc? Yes No If answer is "yes," type of consolidation Unitization			dedicated to th	e well, ou	tline each and	identify the c	ownership there	of (both as to working
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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 hareby certify that the information contained herein is true and complete to the best of my knowledge and belief. Delasso Loos Nome Bistrict Manager Company Blackwood & Nichols Co., Date March 14, 1980 I hareby certify that the well facetion abown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and contect to the best of my knowledge and belief. Date Surveyed Natholic Company Another of the contained from field notes of actual surveys made by me or under my supervision, and that the same is true and contect to the best of my knowledge and belief. Date Surveyed Natholic Company Another of the contained from field notes of actual surveys made by me or under my supervision, and that the same is true and contect to the best of my knowledge and belief. Date Surveyed Natholic Company Another of the contained from field notes of actual surveys made by me or under my supervision, and that the same is true and contect to the best of my knowledge and belief. Date Surveyed Natholic Company Another of the contained from field notes of actual surveys made by me or under my supervision, and that the same is true and contect to the best of my knowledge and belief. Natholic Company Another of the contained from field notes of actual surveys made by me or under my supervision, and that the same is true and contect to the best of my knowledge and belief. Natholic Company Another of the contained from field notes of actual surveys made by me or under my supervision. Certificate No.	X Yes	☐ No If a	inswer is "yes;"	type of co	nsolidation	<u> </u>	nitization	
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Federal Fed	sion.						1	
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Form 9-331 Form Approved. Dec. 1973 Budget Bureau No. 42-R1424 **UNITED STATES** 5. LEASE DEPARTMENT OF THE INTERIOR SF079042 **GEOLOGICAL SURVEY** 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 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 Form 9–331–C for such proposals.) NEBU Agreement No. Sec. 929 8. FARM OR LEASE NAME Northeast Blanco Unit gas well КX other 9. WELL NO. 2. NAME OF OPERATOR 31A Blackwood & Nichols Co., Ltd 10. FIELD OR WILDCAT NAME 3. ADDRESS OF OPERATOR Blanco Mesaverde P. O. Box 1237, Durango, Colorado 81301 11. SEC., T., R., M., OR BLK. AND SURVEY OR 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 AREA below.) E - 7 - 30N - 7WAT SURFACE: 1770' F/NL - 10' F/WL 12. COUNTY OR PARISH 13. STATE AT TOP PROD. INTERVAL: Same San Juan AT TOTAL DEPTH: 14. API NO. 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 15. ELEVATIONS (SHOW DF, KDB, AND WD) 6140 GL REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (NOTE: Report results of multiple of PULL OR ALTER CASING change on Form 9-330.) MULTIPLE COMPLETE CHANGE ZONES ABANDON* (other) To comply with NTL-6 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent date 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.)* (3) San Jose Formation. (8) 9 5/8" - 36.00# - H-40-New; 7" - 23.00# K-55 - New; $4\frac{1}{2}$ " - 10.50# - K-55 - New. (6) Top Ojo Alamo 1935'; Top/Kirtland 2070'. (10) See attached schematic diagram: A 3000 PSI WP series 10" - 900 adapted to series 10" - 600 & 6" - 600 hydraulic blowout preventer equipped with blind and all necessary pipe rams will be used including a rotary blowout preventer. Blowout preventer will be pressure tested after each string of casing is run and tested for operating condition on every trip. (12) Compensated Density-Neutron logs will be run in open hole. No testing or coring will occur. (13) Normal Fruitland field pressures are anticipated and will be controlled with weighted mud. No hydrogen sulfide gas is anticipated. The 9 5/8" surface casing to be cemented with sufficient cement with 2% CaCl and 1/4# flocele per sack (over) Subsurface Safety Valve: Manu. and Type __ 18. I hereby derlify that the foregoing is true and correct DeLasso Loos TITLE District Manager DATE _

JAMES F. SHAS DISTRICT ENGINEER

APPROVED BY PROVALED

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NMOCC

(This space for Federal of State office usen ARE

TO COMPLIANCE WITH ATTACHED

U. S. GEOLOGICAL SURVEY DURANGO, COLO.

*See Instructions on Reverse Side

nstructions

. E.

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local sor Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date, well site conditioned for final inspection looking to approval of the abandonment.

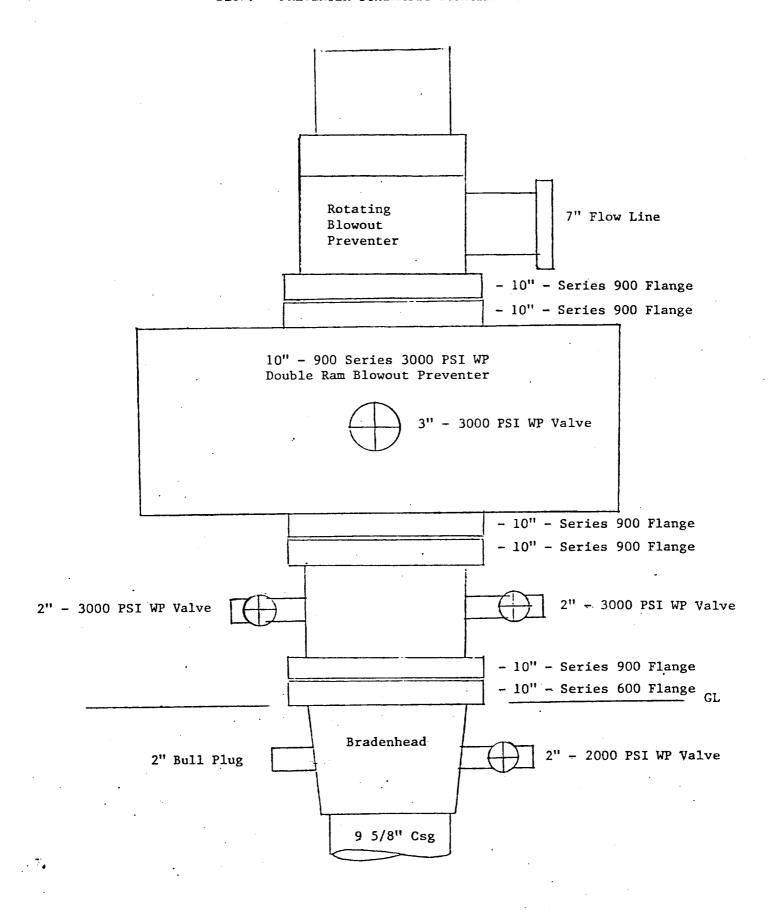
The top of Ojo Alamo is 1935'. We propose to cement the 7" casing using 200 sacks Lite cement with 1/4# flocele sack. A two stage tool will per sack followed with 100 sacks Class B Cement with 2% CaCl₂ and 1/4# flocele per sack. A two stage tool will set at approximately 2100'. 200 sacks Lite cement with 1/4# flocele per sack will be used to circulate cement. (continued)
to circulate to surface.

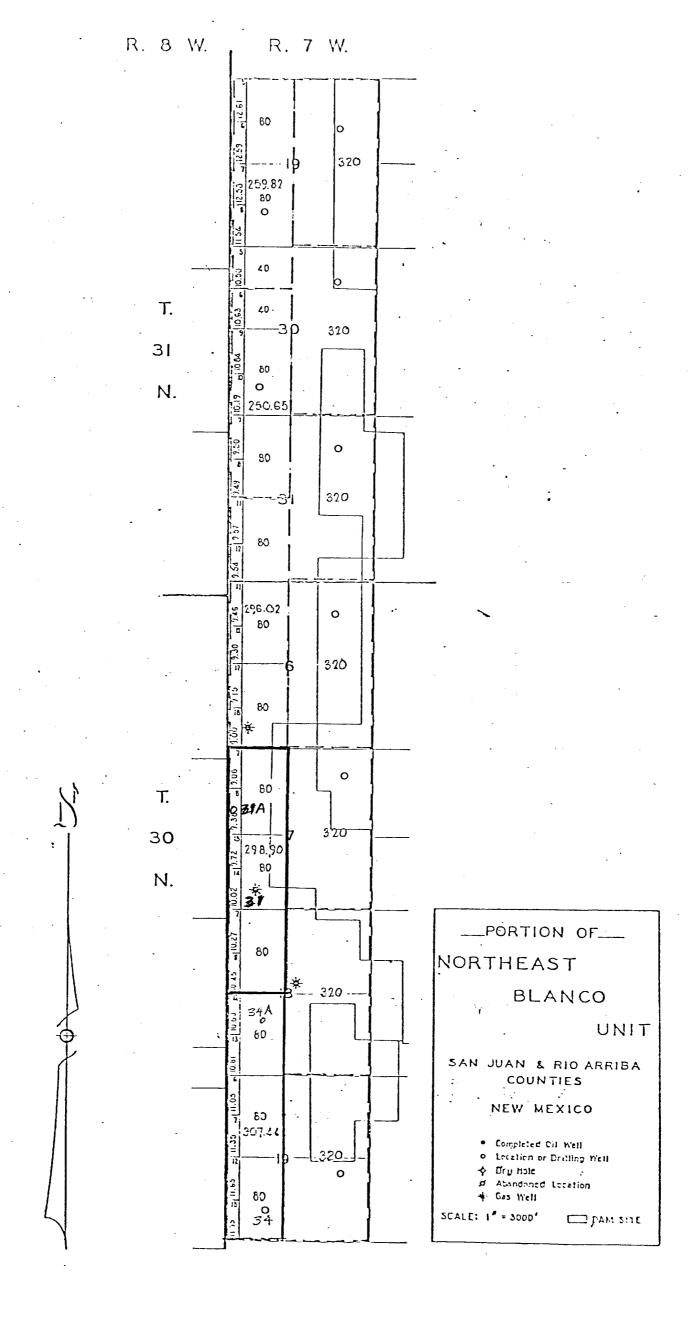
The 44" will be run from 0' to 5725' and cemented with 300 sacks 50-50 Pozmix with 2° Gel, 0.6° CFR, 11/4# flocels

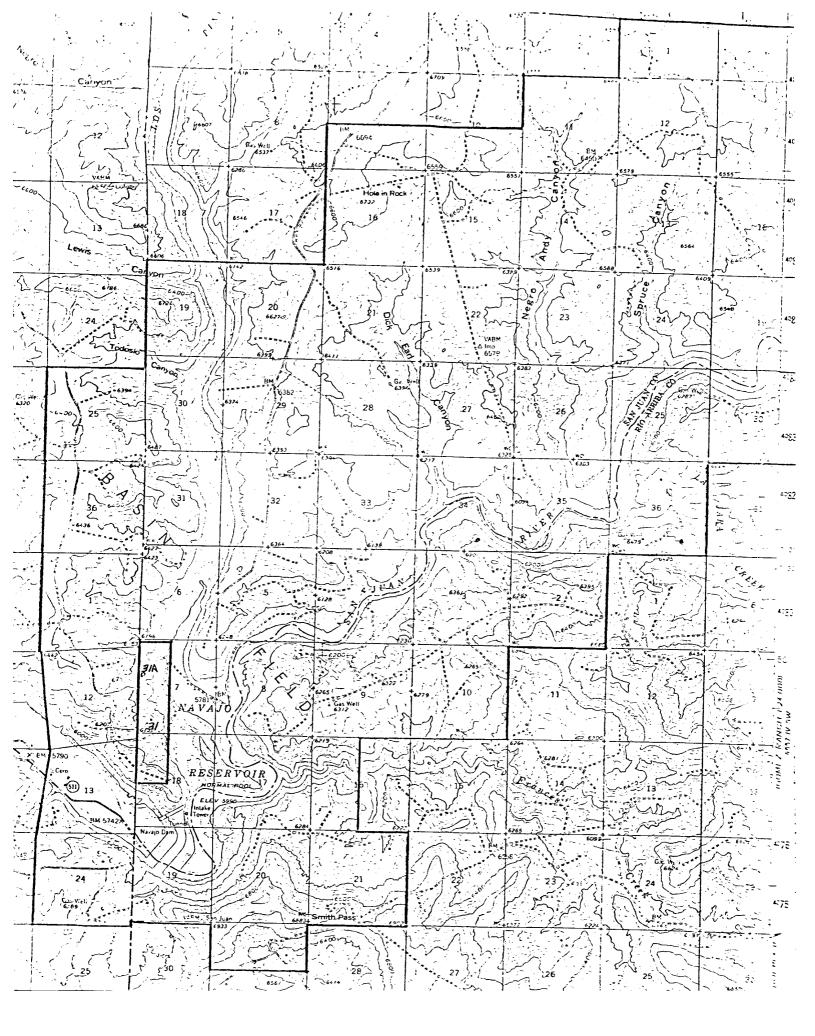
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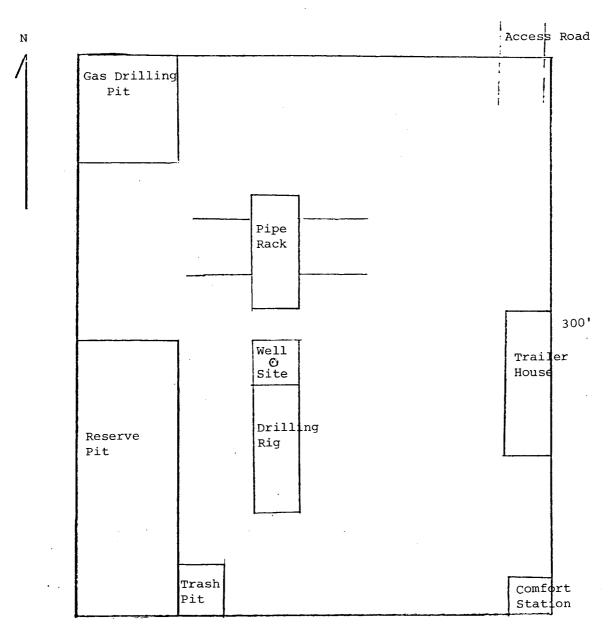
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BLACKWOOD & NICHOLS CO., LTD.
Northeast Blanco Unit No. 31A
1770' F/NL - 10' F/WL E-7-30N-7W
San Juan County, New Mexico
Elevation 6140' GL



BLACKWOOD & NICHOLS CO., LTD.

P. O. BOX 1237

DURANGO, COLORADO 81301

(303) 247-0728

March 18, 1980

United States Geological Survey Federal Building 701 Camino Del Rio Durango, Colorado 81301

Gentlemen:

Blackwood & Nichols Co., Ltd., as operator of the Northeast Blanco Unit, proposes to drill the Northeast Blanco Unit Well No. 31A as an infill well located 1770' F/NL - 10' F/WL, Section 7 - T30N-R7W, San Juan County, New Mexico. The well will 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 below the Navajo Dam. 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 and the New Mexico Park and Recreation Commission.
 - XI. The location is relatively level and covered with Cedar and Pinon trees which will be disposed of as per the New Mexico Park and Recreation Commission 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 March 18, 1980

DeLasso Loos, District Manager

asse you

DL:st Attachments