. UBMIT IN TRIPLICATE (Other instructions on

Form approved. Budget Bureau No. 42-R1425.

HINITED STATES

reverse side)

0115-27942

DEPARTMENT OF THE I	5. LEASE DESIGNATION AND SERIAL NO.			
APPLICATION FOR PERMIT TO DRILL,	6. IF INDIAN, ALLOTT	EB OR TRIBE NAME		
DRILL X DEEPEN		к 🗆 📗	7. UNIT AGREEMENT Northeast Bl	
b. TIPE OF WELL OIL GAS WELL X OTHER ARMINGTON, MEY	Singen X MULTIP		8. FARM OR LEASE N Northeast Bl	AMB
2. NAME OF OPERATOR Blackwood & Nichols C	o., Ltd.		9. WELL NO. 424	
3. ADDRESS OF OPERATOR P.O. Box 1237, Durang	10. FIBLD AND FOOL, OR WILDCAT Basin Fruitland Coal			
4. LOCATION OF WELL (Report location clearly and in accordance wind surface 2100' FNL - 1330'FWL	m any state requirements.	i	11. SEC., T., R., M., OF	NI.K.
At proposed prod. zone			Sec.4, T30N,	
SAME 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOR	12. COUNTY OR PARIS	H 13. STATE		
16 miles NE of Blanco	, New Mexico		San Juan	NM
15. DISTANCE FROM PROFUSED* LOCATION TO NEAREST PROFERTY OR LEASH LINE, FT. (Also to nearest drig, unit line, if any)	16. NO. OF ACRES IN LEASE 2314.56	W/	F, ACRES ABBIONED 178 WELL 1319.38	
13. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, BRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2450	3016	20. ROTA	Retary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6140 GL		DBIIT	April 1	

PROPOSED CASING AND CEMENTING PROGRAM procedural 28 eview pursuant to 43 OFA 3165,3 SUBJECT TO COMPLICACE WITH ATTACHED and appeal pursuant to 43 CFR, 8163.4. "GENERAL QUADUITE OF COMENT BETTING DEPTH WEIGHT PER FOOT SIZE OF CASING SIZE OF HOLE 300 207 cuft to circulate 9 5/8" 36# 12 1/4" 781 cuft to circulate 7" 2790**'** 23 # # 8 3/4" cuft to circulate 39 17#

Propose to spud in the San Jose formation. Will drill a 12 1/4" surface hole to a TD of 300'. Run and cement surface casing with cement returns to surface. WOC 12 hours. Test to 600 psi. Drill a 8 3/4" hole to a TD of 2790' using fresh water mud. No poisonous gases or abnormal pressures are anticipated. Casing will be run and cemented with cement returns to surface. Release drilling rig, move in completion rig. Test to 1500 psi. Drill a 6 1/4" hole to a TD of 3016' using water and air. Run a production liner. The liner may or may not be cemented, depending on hole conditions.

This APD requests a gas pipeline ROW as shown on the attached Vicinity MaMAR21 1989

Surface ownership is Bureau of Reclamation

OIL CON. DIV DIST. 3

orosen productive zone and proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone pres

enter program, if any.	y, give pertinent data on subsurface locations and me	
SIGNET Welliam FOLD	Operations Manager	Jan 23, 1989
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
APPROVED BY	TITLE	APPROVED
CONDITIONS OF APPROVAL, IF ANY:	Silver of Santa	AS AMENDED
1151-2634 15		MAR/1 7 1989

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*See Instructions On Reverse Side

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-2

All distances must be from the outer boundaries of the Section.

Operator Blackwood	•		i	Lease				Well No.
	1 & Nichol	ls Co., I	TD.	Nort	neast :	Blanco	Unit	424
Juli Letter	Section	Township	Ö	Range ,		County	•	
F	14	30 N	lorth	7 4	est	Sa	an Juan	
tual Footage Loc	stion of Wells	•• 11		4220			Mont	
2100	feet from the	North	line and	1330	fer	et from the	West	line Deducated Association
6140	Producing Fruit	Formation Lland Coa	1	Pool Rasin	Fruit	land Co		Dedicated Acreoger
								e plat below,
dated by co	ommunitization. No If 'no' list th necessary.)	, unitization, answer is "y e owners and cact 67 is	force-pooling tract descriptions	etc? consolidate iptions which	on	ctually bee	n consolida	all owners been cons
No allowab forced-pool	le will be assig	gned to the we	ell until all non-standard	interests ha	ve been o	consolidate th interests	ed (by comm , has been	nunitization, unitizat approved by the Divis CERTIFICATION
 	,0012						teined her	errify that the Information for its true and complete to knowledge and belief
1330	SF 07904 · Tract 10 			 		1 1		ons Manager od & Michols C
Fee	Fe	e		60 E 198 (AR21 198	U			his blas was plasted from the court & Bros 42 more by me upon the state of the stat
Tract67	Tr	act66	MEXICO SUFFICE	Redick AEN 1918 SEED	INGAT.		is true Sp	correct to the seals of
		- 1	S: r0	M9 72 PM	68	•	Dave Surveye	2/2/88

Blackwood & Nichols Co., Ltd. Northeast Blanco Unit No. 424 2100' FNL - 1330' FWL Section 4 , T30N, R7W San Juan Co., New Mexico

Field: Basin Fruitland Coal

Elevation: 6140'GL

Geology:

Formation Tops: San Jose - Surface Ojo Alamo - 1963' Kirtland - 2134' Fruitland - 2690' Intermediate TD - 2790'

Total Depth - 3016'

Logging Program: No logs will be run at Intermediate TD. A mud logging unit will be run from the 7" shoe to TD.

Drilling:

Contractor:

Toolpusher:

Operator's Representative:

Mud Program: 0 - 300': Spud mud of lime and gel.

300'- 2590':Benex and water with 5 sack gel sweeps every 500' or less if hole conditions dictate.

2590'- 2790':Fresh water, low solids mud. Mud wt.- 9.5 to 10.0 ppg, as necessary to control well. 35-40 sec./qt. viscosity. 6-8 cc water loss.

Start mud up 100' above Fruitland

2790'- 3016':Water and Air.

Materials:

Casing Program:

	j = ·		
Hole Size	Depth Set	Casing Size	Wt. & Grade
12 1/4"	300'	9 5/8"	36# , K-55
8 3/4"	2790 '	7"	23# , K-55
6 1/4"	2690-3016'	5 1/2"	17# , N-80



Materials: Cont'd

Float Equipment:

9 5/8" surface casing - Texas Pattern Guide Shoe. Threadlock

quide shoe.

7" Intermediate Casing- Texas Pattern Guide Shoe. Self fill

insert float valve run one joint above shoe. Five bow spring centralizers run

every other joint above shoe.

5 1/2" liner -Geyser guide shoe. Liner hanger with

lead seal ring packoff.

Wellhead Equipment:

9 5/8"X 10" 3000 casing head with 5 1/2" automatic slips. 10" 3000 X 6" 3000 tubing head with a 2 7/8" EUE Tubing hanger.

Cement Program:

9 5/8" surface casing- 175 sacks(207 cuft) of Class B w/ 2% CaCl and 1/4# flocele per sack. 100 %

excess to circulate to surface. WOC 12 hours. Pressure test to 600 psi for 30 minutes prior to drilling surface shoe.

7" Intermediate casing-390 sacks (663 cuft) of 65/35 Class B

Poz with 6% gel, 1/4# flocele per sack and 0.6% fluid loss additive followed by 100 sacks Class B(118 cuft) with 1/4# flocele per sack. 70% excess to circulate to surface. WOC 12 hours. Pressure test to 1500 psi prior to drilling the shoe. Run temperature survey at 8 hours if cement does not

circulate.

5 1/2" liner -30 sacks(39 cuft) of Class B with 0.2%

retarder, 1% CaCl, 1.3% fluid loss additive, and 6 1/4# gilsonite/sack. 100 % excess to circulate to liner top. NOTE: Cement is optional. Liner may not be cemented if hole conditions dictate.

Miscellaneous:

Operate pipe rams dailly and record in tour reports.
Operate Blind rams on each trip and record in tour reports.
7" casing rams are to be installed prior to running the production casing.

5 1/2" casing rams are to be installed prior to running the liner.

