

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

FORM APPROVED  
OMB NO 1004-0136

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.

NM - 013642

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Blancett Com 1A

9. API WELL NO.

30-045-30281

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

11. SEC., T., R., N., OR BLK AND SURVEY OR AREA

I Sec 27 T32N-R9W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

## b. TYPE OF WELL

OIL WELL ☐GAS WELL ☒OTHER ☐SINGLE ZONE ☒MULTIPLE ZONE ☐

## 2. NAME OF OPERATOR

Koch Exploration Company

## 3. ADDRESS AND TELEPHONE NO.

20 E. Greenway Plaza Houston, TX 77046

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

SE 1/4 S27 T32N R9W

At proposed prod. zone

1,788' FSL &amp; 1,007' FEL

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

16 miles NE of Aztec, NM

15. DISTANCE FROM PROPOSED\* LOCATION TO  
NEAREST PROPERTY OR LEASE LINE, FT. (Also to  
nearest drlg. unit line, if any)

1,020'

16. NO. OF ACRES IN LEASE

2,384.04

17. NO. OF ACRES ASSIGNED TO THIS WELL

312.49

18. DISTANCE FROM PROPOSED\* LOCATION TO  
NEAREST WELL, DRILLING, COMPLETED, OR  
APPLIED FOR ON THE LEASE, FT.

1,750'

19. PROPOSED DEPTH

6,200 MD

20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6,616' GR

## 22. APPROXIMATE DATE WORK WILL START\*

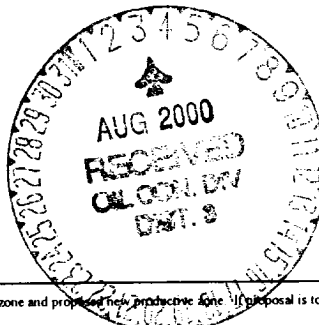
7/1/2000

## 23

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8" J-55	36.0	200' +/-	to surface
8 3/4"	7" J-55	23.0	3,700' +/-	to surface
6 1/4"	4 1/2" J-55	10.5	3,600' - 6,200' -	2,600'

(See attached)



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen, 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 unit true.

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SIGNED Rolf Oshen by [Signature] TITLE Senior EngineerDATE 6/2/00

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

/s/ Jim Lovato

JUL 31 2000

APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

This permit is issued in accordance with and  
proceedure is subject to 43 CFR 3165.3  
and approved pursuant to 43 CFR 3165.4.DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO THE ATTACHED  
"RECEIVED" stamp.

NMOC

DISTRICT J  
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico  
Energy, Minerals & Natural Resources Department

Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-30281		*Pool Code 72319	*Pool Name Blanco Mesa Verde
*Property Code 5653	*Property Name BLANCETT COM.		*Well Number 1A
*OGRID No. 12807	*Operator Name KOCH EXPLORATION		*Elevation 6616'

<sup>10</sup> Surface Location

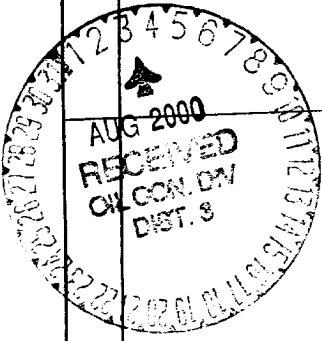
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	27	32-N	9-W		1788'	SOUTH	1007'	EAST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

*Dedicated Acres 312.49	*Joint or Infill I	*Consolidation Code	*Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	16		NM 013642
	27	FEE	1/4 COR. FD. BLM BRASS CAP 1966
		NM-013642	
		LAT. 36°57'10" N. Long. 107°45'45" W.	
		1007'	
		1788'	
		2648.60'	
		23-14-43 E	
		4974.30'	
		N 88-11-09 W	
		FD. BLM BRASS CAP 1966	

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Ruf A. Ornelas  
Signature  
Ruf A. Ornelas  
Printed Name  
Sr. Engineer  
Title  
6/15/00  
Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown 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 correct to the best of my belief.

ROY A. RUSH  
Date of Survey  
Signature and Seal of Professional Surveyor:  
8894  
Certificate Number

AH

KOCH EXPLORATION  
BLANCETT COM. NO. 1A WELL LOCATION & ACCESS ROAD  
SE/4 SEC. 27, T-32-N, R-9-W, N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO  
1788 FSL, 1007 FEL

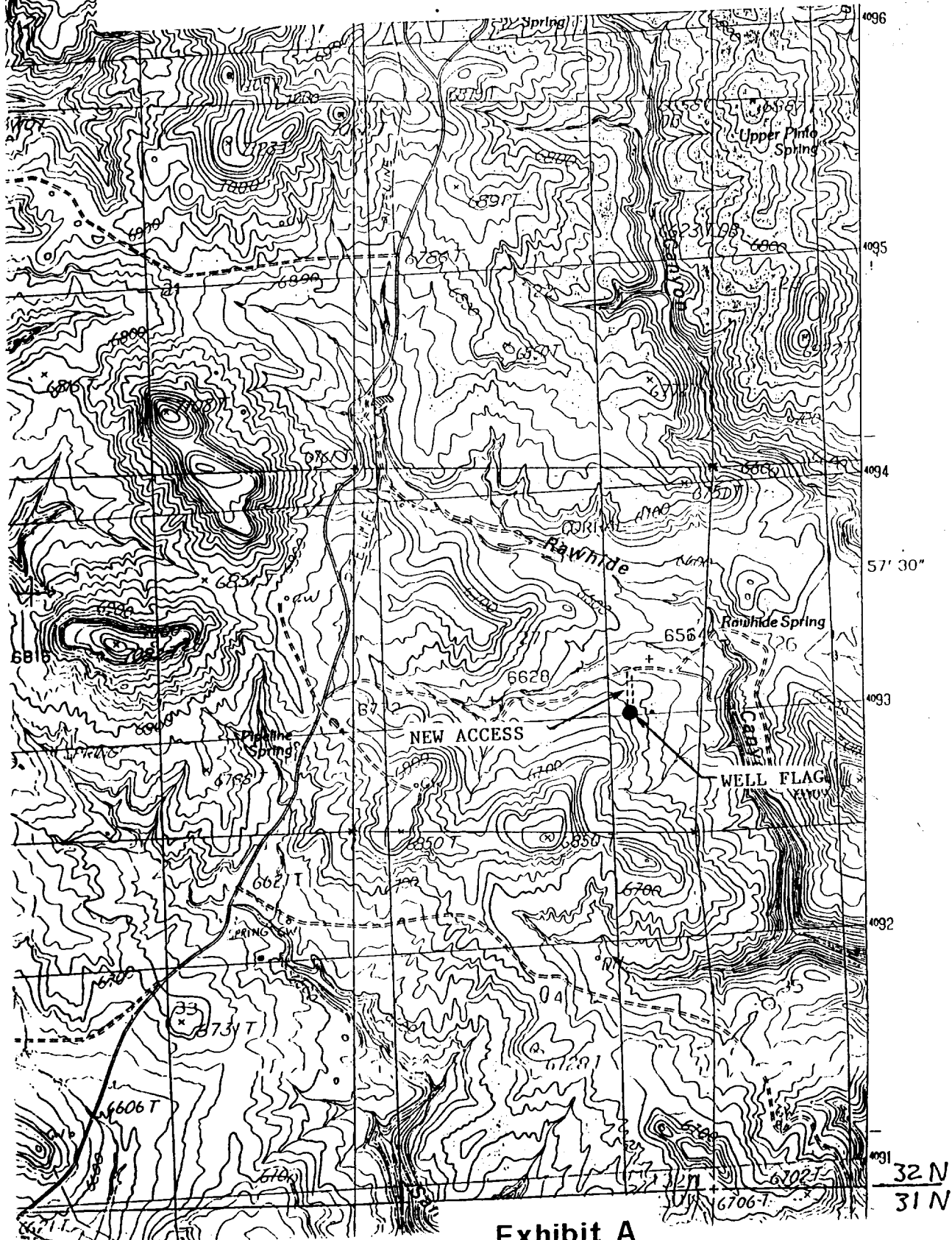


Exhibit A

**Blancett Com 1A**  
Sec 27-T32N-R9W, 1,788 FSL & 1,007 FEL  
San Juan Co., New Mexico  
Lease NM-013642

**Drilling Program:**

**1. Geological name of surface formation -**

Estimated tops of important geological markers:

San Jose	Surface
Nacimiento	640 feet
Ojo	1,900 feet
Kirtland Shale	2,050 feet
Fruitland Coal	3,070 feet
Picture Cliff	3,450 feet
Cliff House	5,080 feet
Menefee	5,485 feet
Point Lookout	5,780 feet
Mancos	6,300 feet
TD	6,200 feet

**2. Estimated depths at which oil, gas, water and mineral bearing formation will be found:**

Fresh Water	0 feet to 200 feet
Salt Water	201 feet to 3,070 feet
Oil and Gas	3,071 feet to 6,200 feet

**3. Pressure Control Equipment:**

- a. 10-inch 900 series or 3,000 PSI test double gate hydraulic with 4-1/2" pipe rams and 10-inch series 900 hydril above 10-inch series casinghead and cross spool with flanged outlets. See BOP diagram at **Exhibit F** for drawing of choke lines, kill lines and choke manifold. Procedures will include waiting on cement 12 hours, nipple up blowout preventer (BOP) assembly and test to 70% of yield of casing or 3,000 psi maximum. The production casinghead pressure rating will be 3,000 psi.
- b. Type of BOP rams: Blind rams and pipe rams are used as shown on the BOP diagram at Exhibit F. Occasionally, the position of the rams is reversed depending on the drilling contractor's methods.
- c. The choke manifold and header will have 2-inch choke outlets, a 2-inch straight through the line with 2-inch adjustable chokes installed. The inlet line will be a 2-inch line. All of the above are rated at 3,000 psi working pressure (WP).  
The choke manifold and header system will have manual control valves; no hydraulic valves will be installed.  
Casing testing procedure - Surface casing will be tested at 750 psi with 1,000 psi maximum after cementing in place and before drilling out of shoe. Intermediate and production casing will be tested to 3,000 psi after cementing in place and after drilling to the required depth.
- d. Hydraulic controls to close the BOPs are located on the rig floor; the hydraulic remote control is located in the bottom doghouse. There will be no manual controls on the BOP.
- e. BOP testing procedures and frequency:

**Blancett Com 1A**

Sec 27-T32N-R9W, 1,788 FSL &amp; 1,007 FEL

San Juan Co., New Mexico

Lease NM-013642

1. Hydrill (3,000 WP) will be tested to 70% of yield of casing or 3,000 psi maximum.
2. Double ram BOPs will be tested to 70% of yield of casing or 3,000 psi maximum.
3. BOPs will be tested upon installation, after casing is run and on each bit trip.
- f. Casinghead connections will be 2-inch; these outlets will usually be bull plugged during drilling operations. No pumping through these connections is allowed except in emergency to keep from wearing out the head.
- g. The drilling spool will be a series 900 3,000 psi WP with a 2-inch kill line and a 2-inch outlet.

**4. Proposed Casing Program:****Surface Casing Program:**

Surface Casing	9 5/8 inch	36.0#	J-55 STC	New
Intermediate Casing	7 inch	23.0#	J-55 STC	New
Production Casing	4 1/2 inch	10.5#	J-55 LTC	New

Proposed setting depth, amount and type of cement including additives:

**9-5/8 inch Surface Casing** - Surface to 240 feet -Cement with 135 sx Class "H" with 2% CaCl<sub>2</sub> (15.6 lb/gal; 1.2 cf/sk).**7 inch Intermediate Casing** - Surface to 3,700 feet -

Cement with 370 sx. 2% C-lite (15.6 lb/gal, 2.06 cf/sk) followed by 120 sx neat cement tail (15.6 lb/gal, 1.18 cf/sk) to surface.

**4 1/2 inch production casing** - 3,600 feet to 6,200 feet (TD)Cement with 100 sx class 'H' + .25# / sk cello flake + 5#/sk gilsonite (12 lb/gal. 2.1 cf/sk)  
Follow with 175 sx 50/50 Poz class 'H' + 2% bentonite + .25#/sk cello flake + 5#/sk gilsonite + .4% fluid loss additive.**5. Mud Program:**

0 feet - 200 feet - Spud mud and water treated with gel lime.

200 feet - 3,700 feet - Lime mud, water and polymer.

3,700 feet - 6,200 feet - air, produced or fresh water, soap and polymer

**6. Testing, Logging and Coring Program:**

No drill stem tests or cores will be taken.

Logging: First Run - Gamma Ray - Casing Collar Locator - Cement Bond Log.

Second Run - Gamma Ray - Cased Hole compensated Neutron Log

**7. Expected Pressures -**

Fruitland Fm.- 600 - 700 psia

Pictured Cliffs Fm.- 800 - 1000 psia

Mesaverde Fm.- 800 - 1000 psia

Bottom Hole 800 - 1000 psia

No abnormal pressures, temperature or poisonous gases anticipated.