

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

## 3. ADDRESS OF OPERATOR

501 Airport Drive Farmington, New Mexico 87401

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

At surface

990' FNL, 990' FEL, Section 25, T-28-N, R-9-W

At proposed prod. zone

Same

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

6 miles southeast of Blanco, New Mexico 87401

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

990'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

710'

## 16. NO. OF ACRES IN LEASE

160

## 19. PROPOSED DEPTH

6575'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

5806'

## 22. APPROX. DATE WORK WILL START\*

January 6, 1979

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	40#	300'	335 sx
8-5/8"	7"	20#	2297'	335 sx
6-1/4"	4-1/2"	11.6#	6575'	690 sx

The above well is being drilled to further develop the Basin Dakota Field. The well will be drilled with a low solids non-dispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion.

The gas from this well is dedicated to EPNG.

Additional information required by NTL-6 for the application to drill and Point Surface Use Plan are attached.

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

(This space for Federal or State office use)

TITLE District Engineer

DATE December 15, 1978

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ok Frank

\*See Instructions On Reverse Side

NMOCC

30-043-23306

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-779

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Allottee

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Eskeenalwood Gas Com "B"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA

NE/4 NE/4 Section 25

T-28-N, R-9-W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

## 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 at 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, locations 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 plat, 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.

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-122  
Effective 1-1-65

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

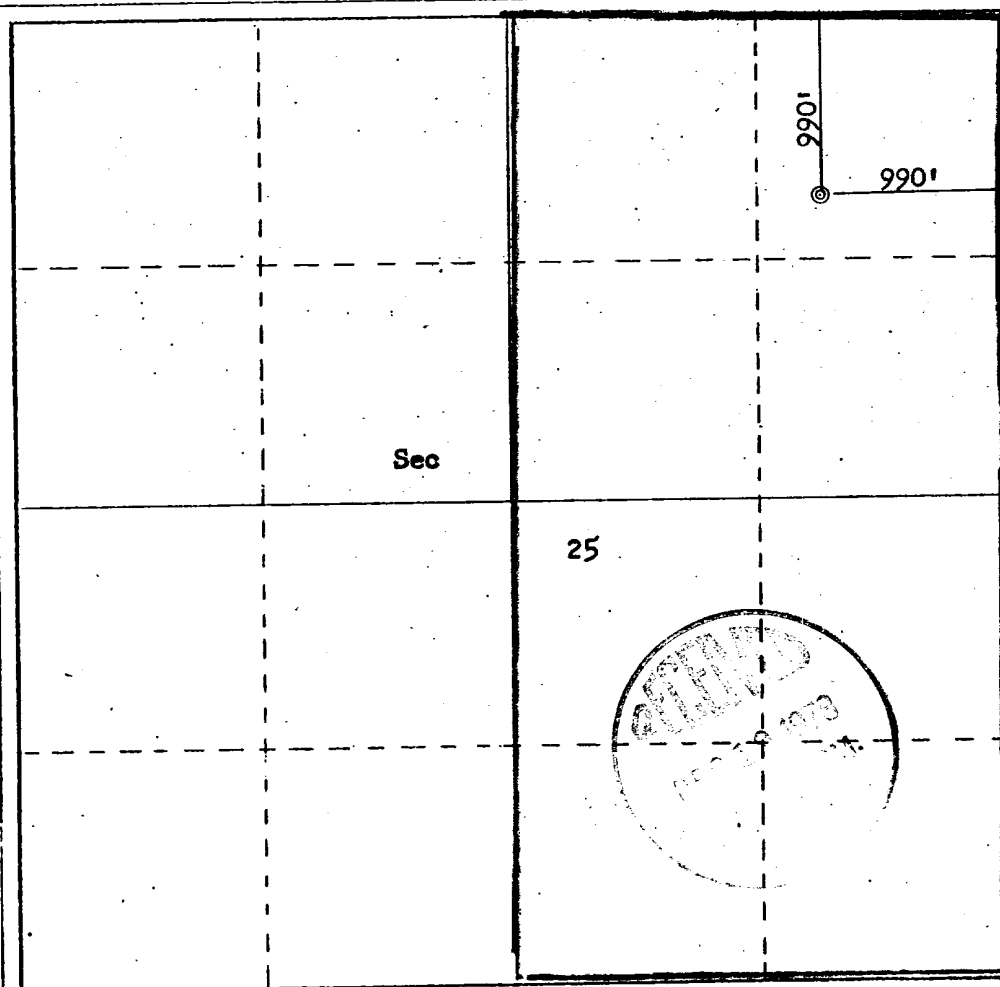
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>ESKEENALWOOD GAS COM "B"</b>		Well No. <b>1</b>
Unit Letter <b>A</b>	Section <b>25</b>	Township <b>28N</b>	Range <b>9W</b>	County <b>San Juan</b>	
Actual Footage Location of Wells: <b>990</b> feet from the <b>North</b> line and <b>990</b> feet from the <b>East</b> line					
Ground Level Elev. <b>5806</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin Dakota</b>		Dedicated Acreage <b>320</b> Acres	

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?

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

*J. L. Krupka*  
Name  
**J. L. KRUPKA**

Position  
**DISTRICT ENGINEER**

Company  
**AMOCO PRODUCTION COMPANY**

Date  
**DECEMBER 6, 1978**

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 knowledge and belief.

Date Surveyed  
**November 30, 1978**

Registered Professional Engineer and or Surveyor

*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**  
Certification No. **3950**  
**FRED B. KERR, JR.**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

SUPPLEMENTAL INFORMATION TO FORM 9-331C  
REQUIRED BY NTL-6

ESKEENALWOOD GAS COM. "B" NO. 1  
990' FNL & 990' FEL, Section 25, T-28-N, R-9-W  
San Juan County, New Mexico

The geologic name of the surface formation is the Tertiary San Jose.

The estimated tops of important geological formations bearing hydrocarbons are:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Fruitland	1844'	+ 3975'
Pictured Cliffs	2087'	+ 3732'
Mesaverde	3707'	+ 2112'
Dakota	6354'	+ 535'

TD: 6575'

Estimated KB elevation is 5819'

The casing program to be used will include all new casing:

<u>EST. DEPTH</u>	<u>CSG. SIZE</u>	<u>WEIGHT</u>	<u>HOLE SIZE</u>	<u>SACKS CEMENT - TYPE</u>
300'	9-5/8"	40#	13-3/4"	335 Class "B" 2% CaCl <sub>2</sub> .
2297'	7 "	20#	8-5/8"	335 Class "B" 50:50 poz mix, 6% Gel 10# Gilsomite/sx.
6575'	4-1/2"	11.60#	6-1/4"	690 Class "B" Neat 50:50 poz mix, 6% Gel, 2# Med Tuf Plug/sx.

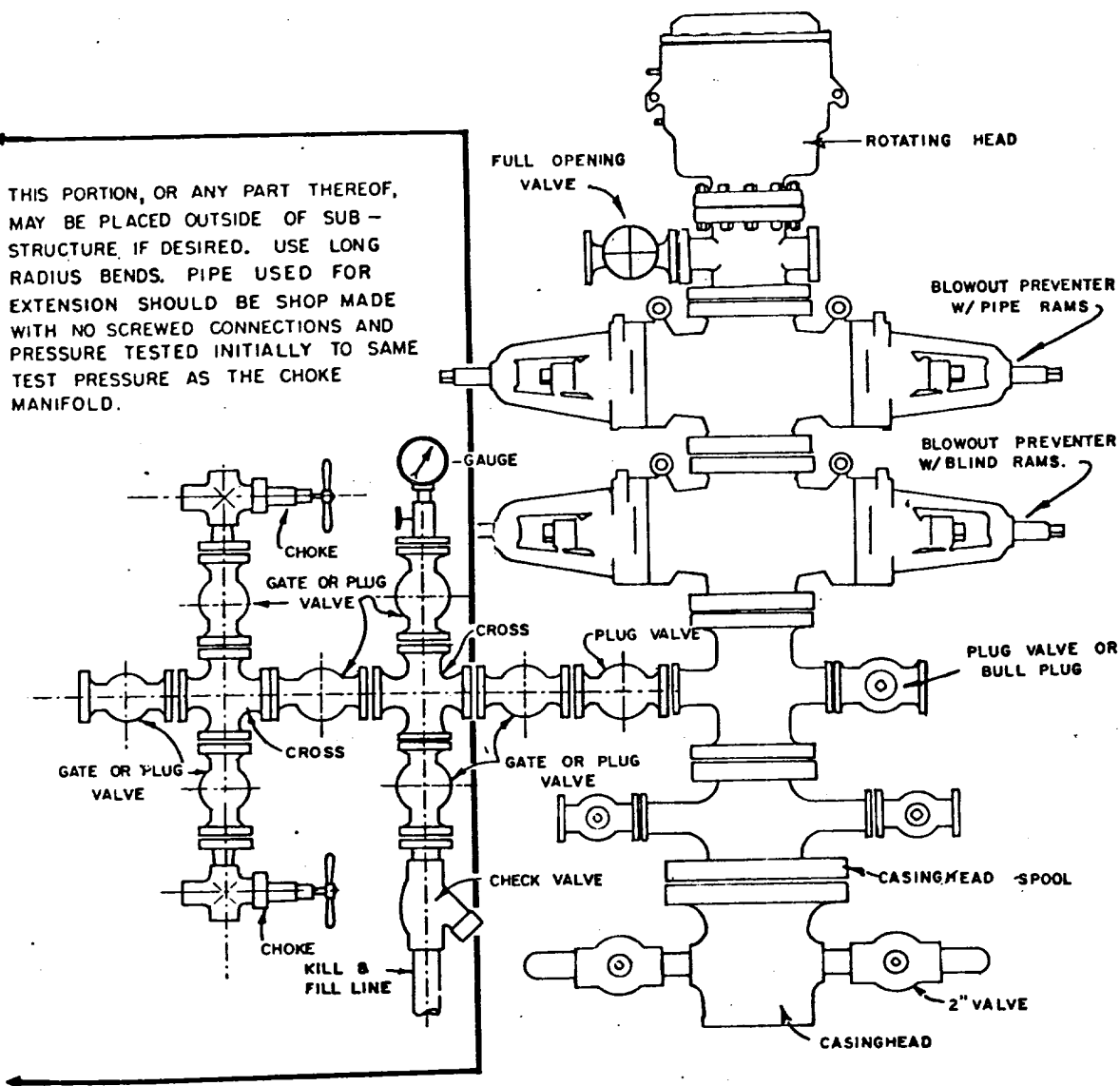
Amoco's standard blowout prevention will be employed; see attached drawing of our blowout preventer design.

Amoco will run an Induction Electric Survey from TD to 3600' and a Density-Gamma Ray Log from TD to 3600' and a Gamma Ray from 2000' to surface. No cores or drill stem tests will be taken.

In the past, drilling in this area has shown that no abnormal pressures, temperatures, nor hydrogen sulfide gas will be encountered.

We will start operations as soon as well is permitted, and a three-week operation is anticipated.

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKE MANIFOLD.



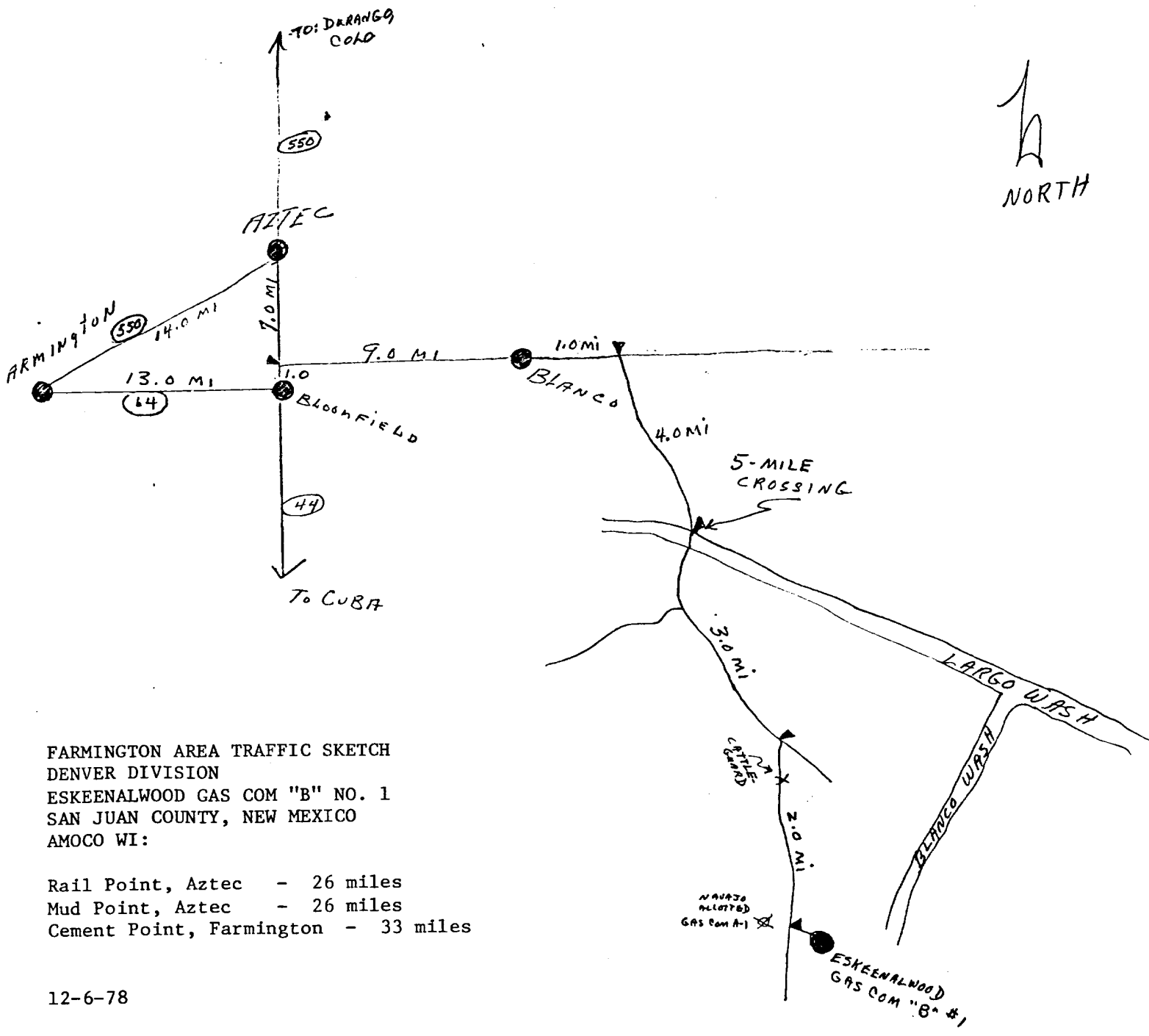
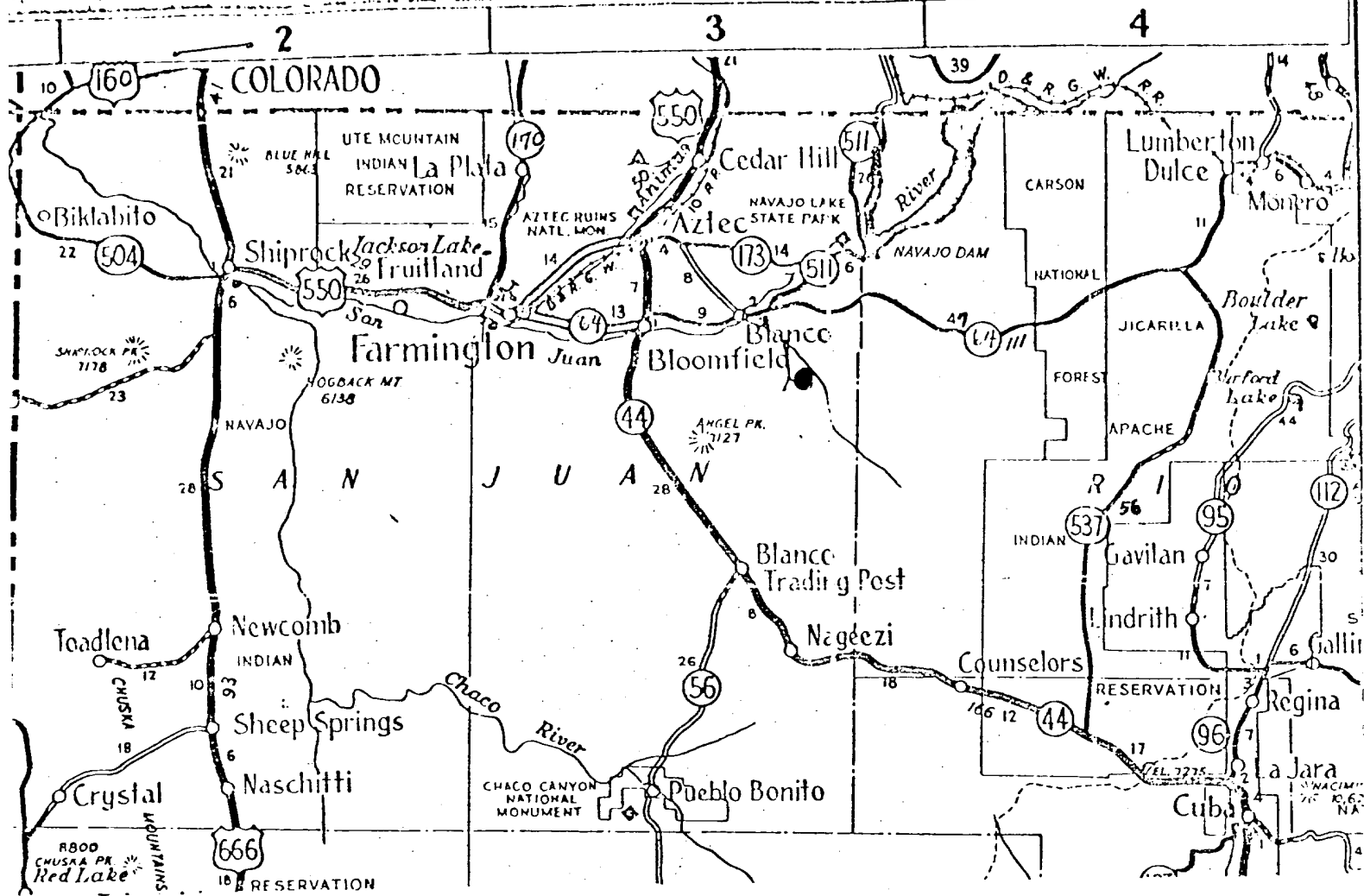
BLOWOUT PREVENTER HOOKUP

EXHIBIT D-4  
OCTOBER 16, 1969

## MULTI-POINT SURFACE USE PLAN

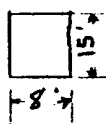
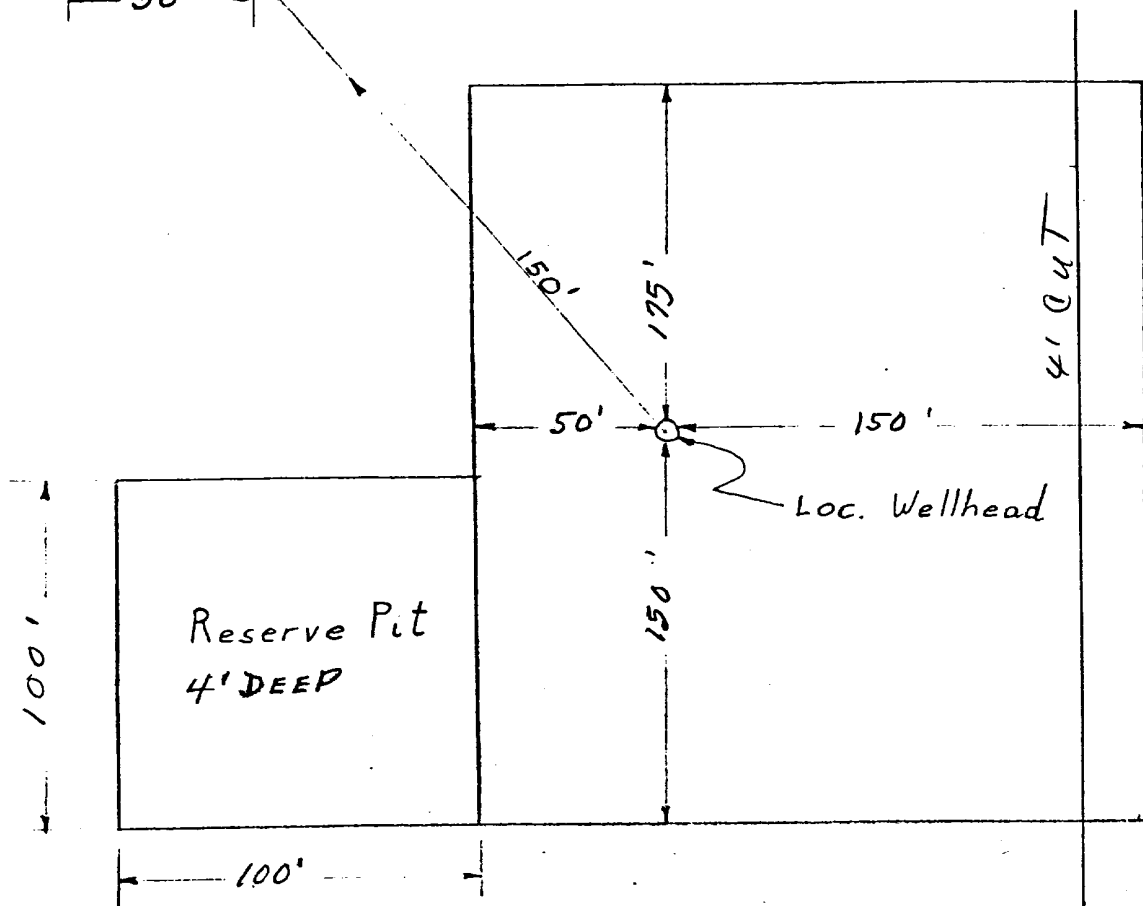
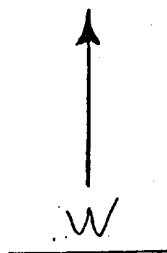
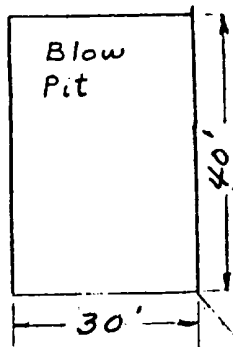
ESKEENALWOOD GAS COM "B" NO. 1  
990' FNL & 990' FEL, SECTION 25, T28N, R9W  
SAN JUAN COUNTY, NEW MEXICO

1. The attached road map and sketch show the proposed route to the location and distances from towns.
2. No new access road will be built. Existing roads in area will be utilized.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the vicinity map.
4. There are numerous 300- and 380-barrel storage tanks located at nearby wells.
5. Water will be hauled from the San Juan River by truck over existing roads.
6. No construction materials will be hauled in for this location.
7. A 100' X 100' pit will be built on location to hold all drilling waste. Upon completion of well, all waste and liquid will be pumped out and fluids will be bladed into roads.
8. There are no airstrips in the vicinity; an Indian dwelling is located 1000 feet west of the proposed location.
9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 4-foot cut will be made on the north side.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drainage ditches will be built to handle run-off. Reseeding of the site will be carried out as instructed by the BIA.
11. The general topography is a gently sloping terrain with a sandy loam soil. Vegetation consists of greasewood, sagebrush, and no trees.  
  
Representatives of the U. S. G. S. Farmington Office (Lee Freeman) and the Bureau of Indian Affairs (Emery Chee, Crownpoint) inspected the site with Amoco personnel. Cultural resources inspection was conducted by Dabney Ford from San Juan College.
12. A Certification Statement by Amoco's representative is included.









Trash Pit

— APPROXIMATELY 1.2 Acres

Amoco Production Company

SCALE: NONE

DRILLING LOCATION SPECS  
ESKEENALWOOD GAS COM "B" NO. 1

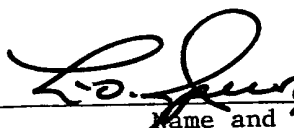
DRG.  
NO.

ESKEENALWOOD GAS COM "B" NO. 1  
990' FNL & 990' FEL, SECTION 25, T28N, R9W  
SAN JUAN COUNTY, NEW MEXICO

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to be best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by AMOCO PRODUCTION  
COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

December 12, 1978  
Date

  
District Supt.  
Name and Title

Amoco Production Company's Representative:

L. O. Speer, Jr.  
Phone: Office: 505-325-8841; Home: 505-325-3247  
Address: 501 Airport Drive  
Farmington, NM 87401