

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 INFILL 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

1530' FSL and 1100' FEL, Section 8, T27N, R10W
At proposed prod. zone

Same

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

9 miles Southeast of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED*

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

1100'

16. NO. OF ACRES IN LEASE

2543.26

17. NO. OF ACRES ASSIGNED
TO THIS WELL

E/320

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

2145'

19. PROPOSED DEPTH

6468'

20. ROTARY OR CABLE TOOLS

Rotary

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

6000' GL

22. APPROX. DATE WORK WILL START*

As soon as permitted

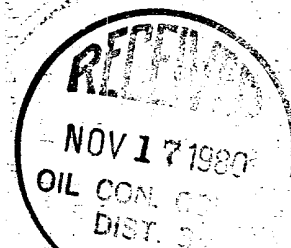
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" (New)	32.3 K-55	300'	300 sx Class B x 2% CaCl ₂ -circ
7-7/8"	4-1/2" (New)	10.5# K-55	6468'	1st Stage-356 sx CI B 50:50 POZ
				2nd Stage-1068 sx x 6% gel, 2# med
				tuf plug/sx, .8%
				FLA x 100 sx CI
				B Neat (Tail in)
				circ

DRILLING, CASING, AND CEMENTING ARE
SUBJECT TO THE LANDS WITH A ATTACHED
"GENERAL APPLICATION" to drill an Infill Basin Dakota well is
pursuant to Order No. R-1670-V approved by the NVOCD on
May 22, 1979. This well will qualify under Section 103
of the Natural Gas Policy Act under Order No. R-1670-V.

DV Tool set at 4520'.

The gas from this well is dedicated to El Paso Natural
Gas Co.



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 W. L. P. [Signature] TITLE District Engineer DATE October 3, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL IF ANY:

NMOCC

OIL CONSERVATION DIVISION

P. O. BOX 2088

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

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

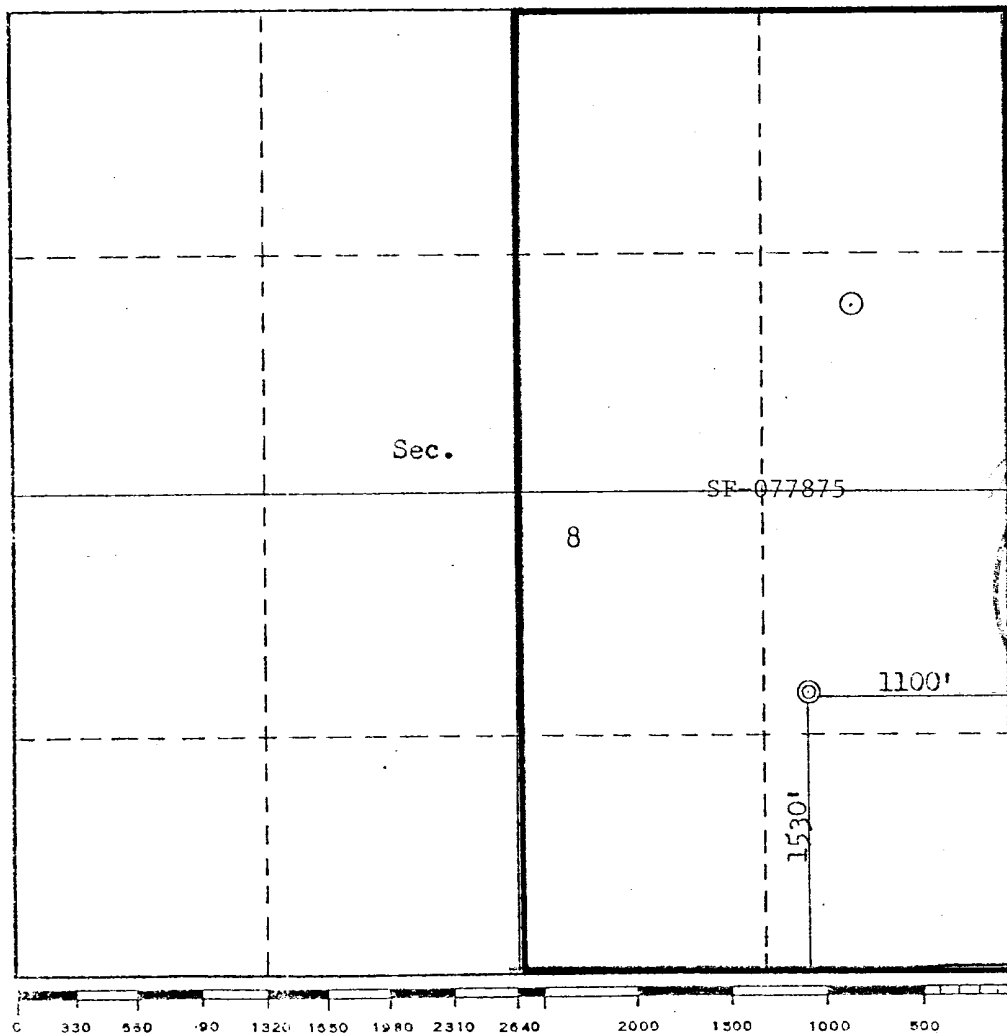
Operator AMOCO PRODUCTION COMPANY			Lease P.O. PIPKIN		Well No. 1E
Unit Letter I	Section 8	Township 27N	Range 10W	County San Juan	
Actual Footage Location of Well: 1530 feet from the South line and 1100 feet from the East line					
Ground Level Elev. 6000	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: 320 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 Jointly Owned Acreage - All owners
approve drilling the well.

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.

Name

B.E. FACKRELL

Position

DISTRICT ENGINEER

Company

AMOCO PRODUCTION COMPANY

Date

MAY 21, 1980

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

May 12, 1980Registered Professional Engineer
and/or Land Surveyor**Fred B. Kerr Jr.**

Certificate No.

3950

SUPPLEMENTAL INFORMATION TO FORM 9-331C

P. O. PIPKIN NO. 1E

1530' FSL & 1100' FEL, SECTION 8, T27N, R10W

SAN JUAN COUNTY, NEW MEXICO

The geologic name of the surface formation is the Tertiary Nacimiento.

Estimated tops of important geologic markers and potential water, oil, or gas bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Ojo Alamo	737'	+5276'
Kirtland	984'	+5029'
Fruitland	1575'	+4438'
Pictured Cliffs	1870'	+4143'
Chacra (if present)	2935'	+3078'
Mesaverde [Cliff House	3398'	+2615'
Point Lookout	4219'	+1794'
Gallup	5398'	+ 615'
Dakota	6279'	- 266'
TD	6468'	- 455'

Estimated KB elevation: 6013'

Drilling fluid to TD will be a fresh water, low solids non-dispersed mud system. Open hole logging program will include logs from TD to below surface casing:

SP-Induction-GR
FDC-CNL-GR

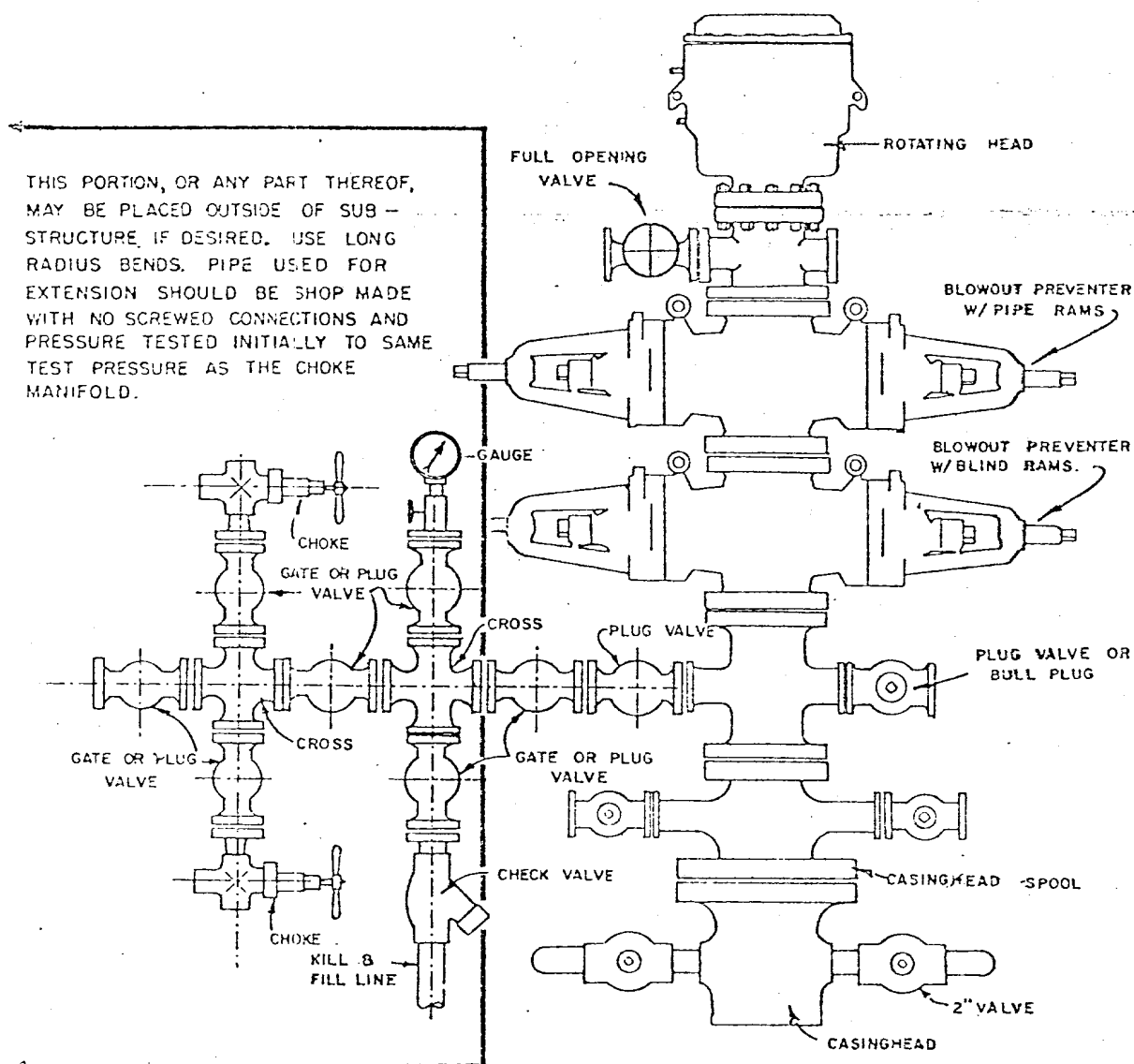
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 3 weeks.

Amoco's standard blowout prevention will be employed (see attached drawing).

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

1. Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
4. All fittings to be flanged.
5. Omsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.



BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT D-4

OCTOBER 16, 1969

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.

MULTI-POINT SURFACE USE PLAN

P. O. PIPKIN NO. 1E
1530' FSL & 1100' FEL, SECTION 8, T27N, R10W
SAN JUAN COUNTY, NEW MEXICO

1. The attached topographic map shows the proposed route to the location.
2. It will not be necessary to build any access road.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the lease road map.
4. There is a 380-barrel tank and facilities located at P. O. Pipkin Well No. 1, approximately one-fourth mile north.
5. Water will be hauled from Kutz Wash water holes.
6. No construction materials will be hauled in for this location.
7. A 150' by 150' pit will be built on location to hold all drilling waste. Upon completion of the well, pit will be fenced and waste and liquids left to dry, then pit will be filled and leveled. If any liquids remain, they will be hauled away prior to back filling.
8. There are neither airstrips nor camps in the vicinity.
9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 3-foot cut will be made on east side.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Reseeding of the site will be carried out according to Bureau of Land Management specifications.
11. The general topography is a fairly level terrain sloping to the southwest, with a sandy clayey loam soil; vegetation consists of a good cover of native grasses and no brush.

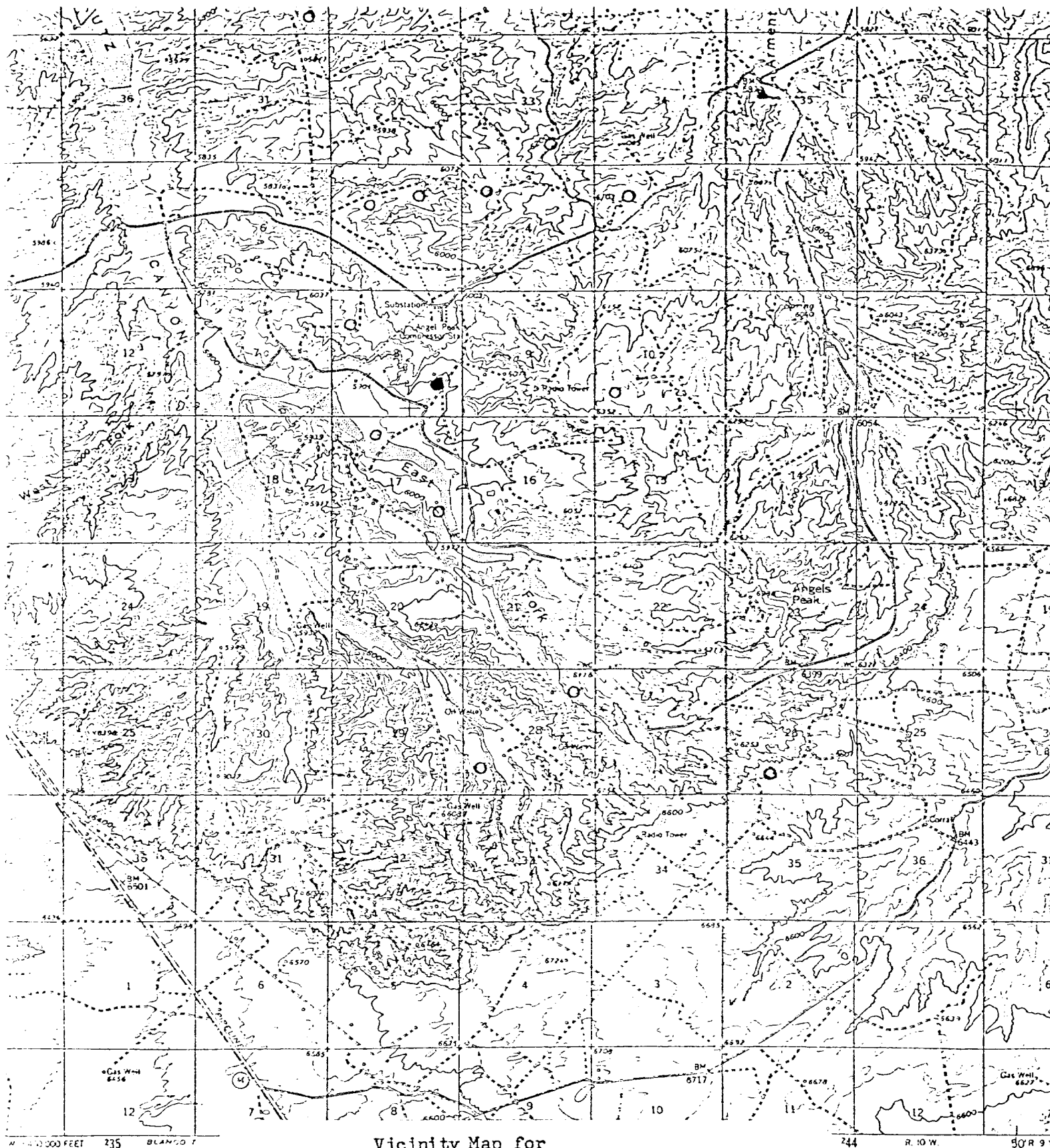
Representatives of the U. S. Geological Survey's Farmington Office and the Bureau of Land Management inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.

12. Operator's Representative: R. W. Schroeder
Phone: Office: 505-325-8841; Home: 505-325-6164
Address: 501 Airport Drive, Farmington, NM 87401

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 the 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.

Date September 29, 1980


R. W. Schroeder, District Superintendent



U.S. Geological Survey

Map from aerial
photo 1960

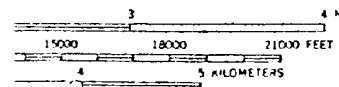
Map datum
coordinate system.

Map grid ticks.

UTM GRID AND 1960 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

Vicinity Map for
AMOCO PRODUCTION CO. #1E P.O. PIPKIN
1530'FSL 1100'FEL Sec. 8-T27N-R10W
SAN JUAN COUNTY, NEW MEXICO

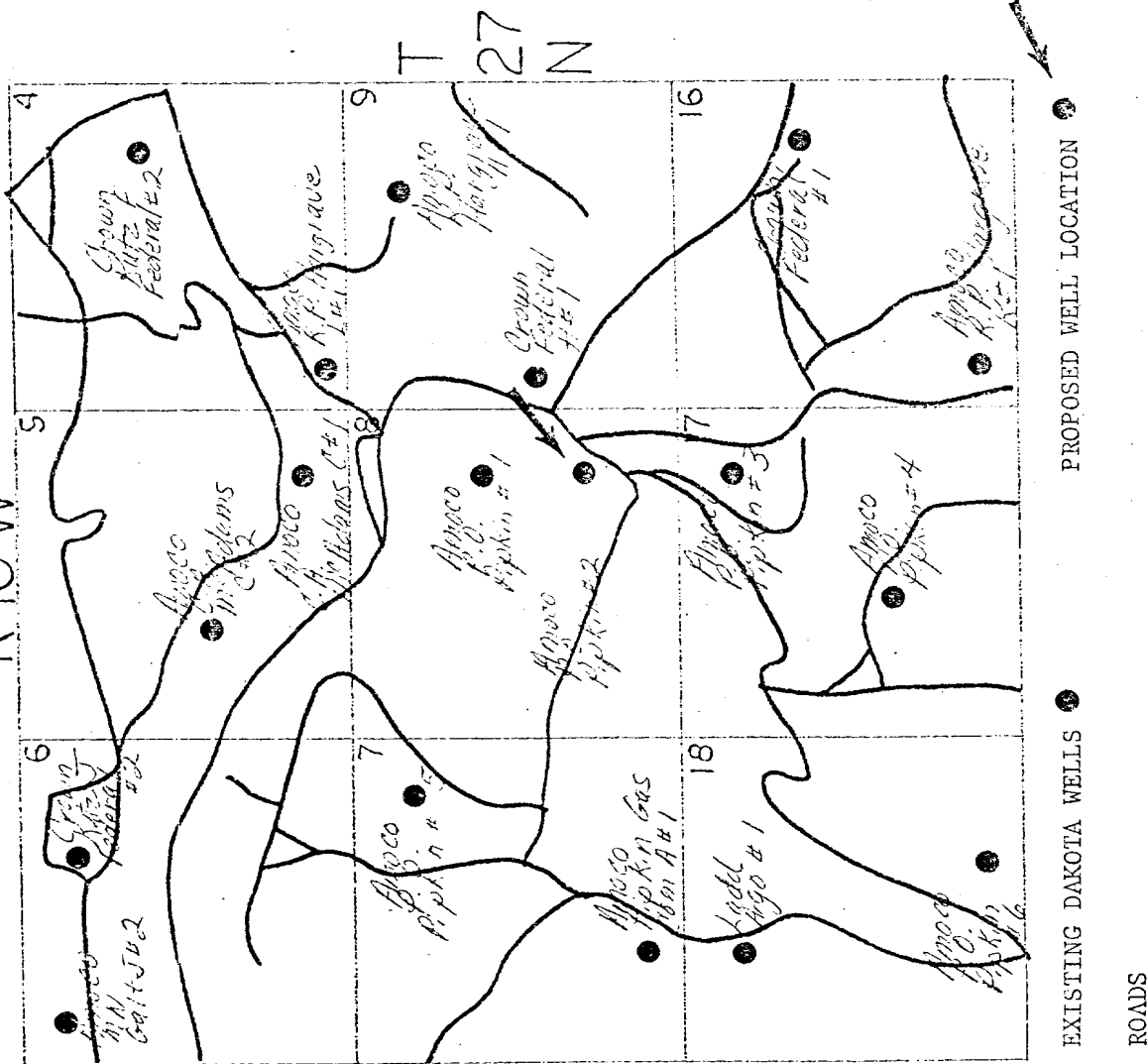
DATUM IS MEAN SEA LEVEL

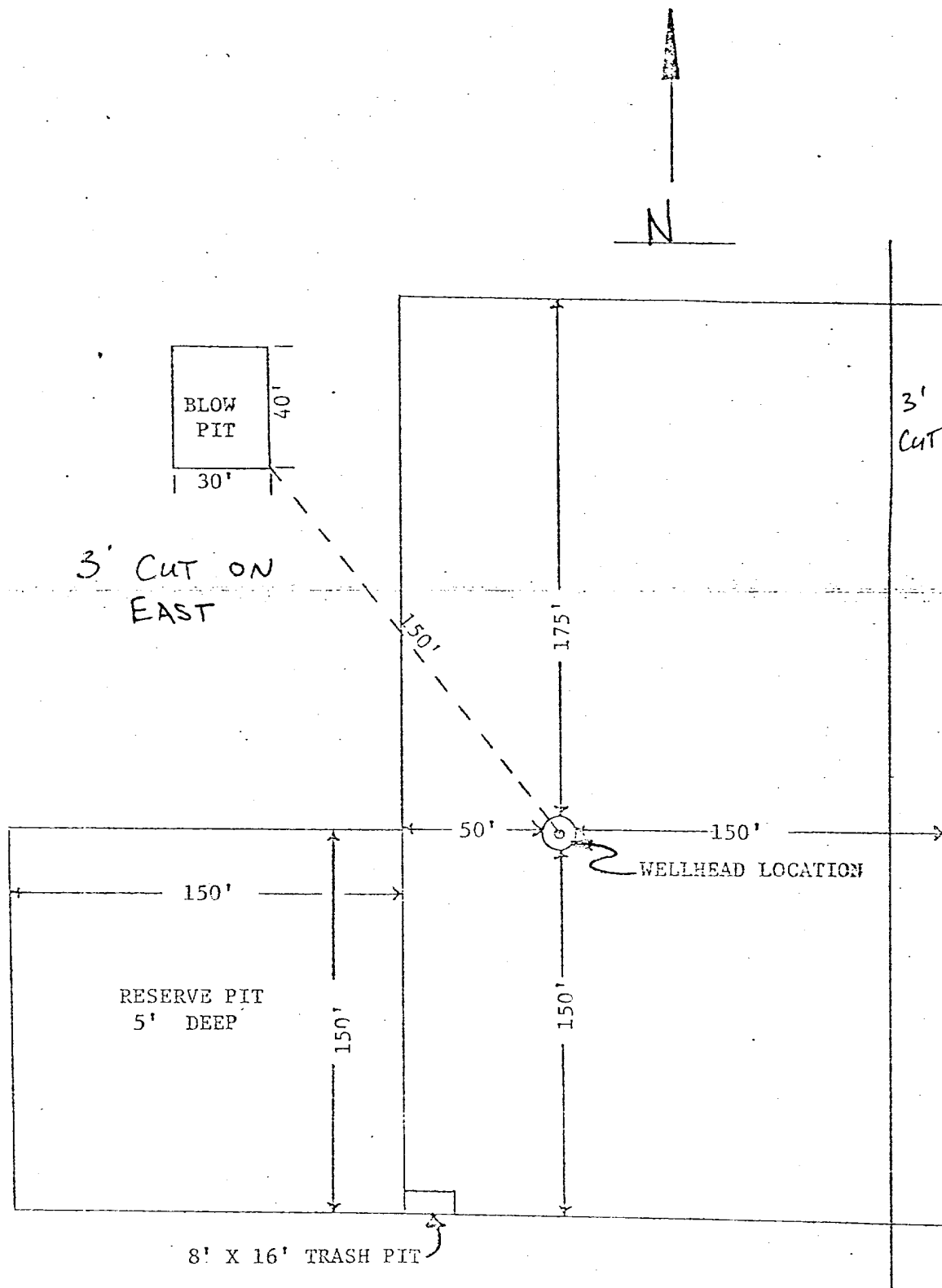


THIS MAP COMPLEES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D.C. 20212

P. O. PIPKIN #1E

R 10 W





APPROXIMATELY 1.2 ACRES

Amoco Production Company
 DRILLING LOCATION SPECIFICATIONS
 P.O. Pipkin No. 1E

SCALE: 1"=50'

DRG.
 NO.