

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

950' FNL and 820' FEL, Section 33, T30N, R9W

At proposed prod. zone

Same

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

4.5 miles Northeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

820'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

2565'

16. NO. OF ACRES IN LEASE

2560

19. PROPOSED DEPTH

7141'

17. NO. OF ACRES ASSIGNED

TO THIS WELL

E 320

20. ROTARY OR CABLE TOOLS

Rotary

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

5766' GL

22. APPROX. DATE WORK WILL START*

As soon as permitted

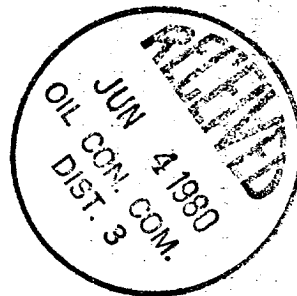
23.

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# H-40	300'	To sur 300 Class "B" w/2% CaCl2-circ
8-3/4"	7" (New)	20# K-55	2385'	To sur w/470 Class "B" 50:50 POZ,
6-1/4"	4-1/2" (New)	10.5# K-55	7141'	To 2235 w/570 6% gel, 2# med tuf plug/sx, .8% FLA. Tail in w/100 sx Class B-circ

This application to drill an Infill Basin Dakota well is pursuant to Order No. R-1670-V approved by the NMOCB on May 22, 1979. This well will qualify under Section 103 of the Natural Gas Policy Act under Order No. R-1670-V.

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



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

B.E. Jauchel

TITLE

District Engineer

DATE

April 30, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DETAILS OF WORK TO BE PERFORMED ARE

SPECIFICALLY DESCRIBED IN ATTACHED

"CONDITIONS OF APPROVAL"

ak Jml

NMOCB

APPROVED
AS AMENDED

DATE

JUN 3 1980

JAMES F. SIMS
DISTRICT ENGINEER

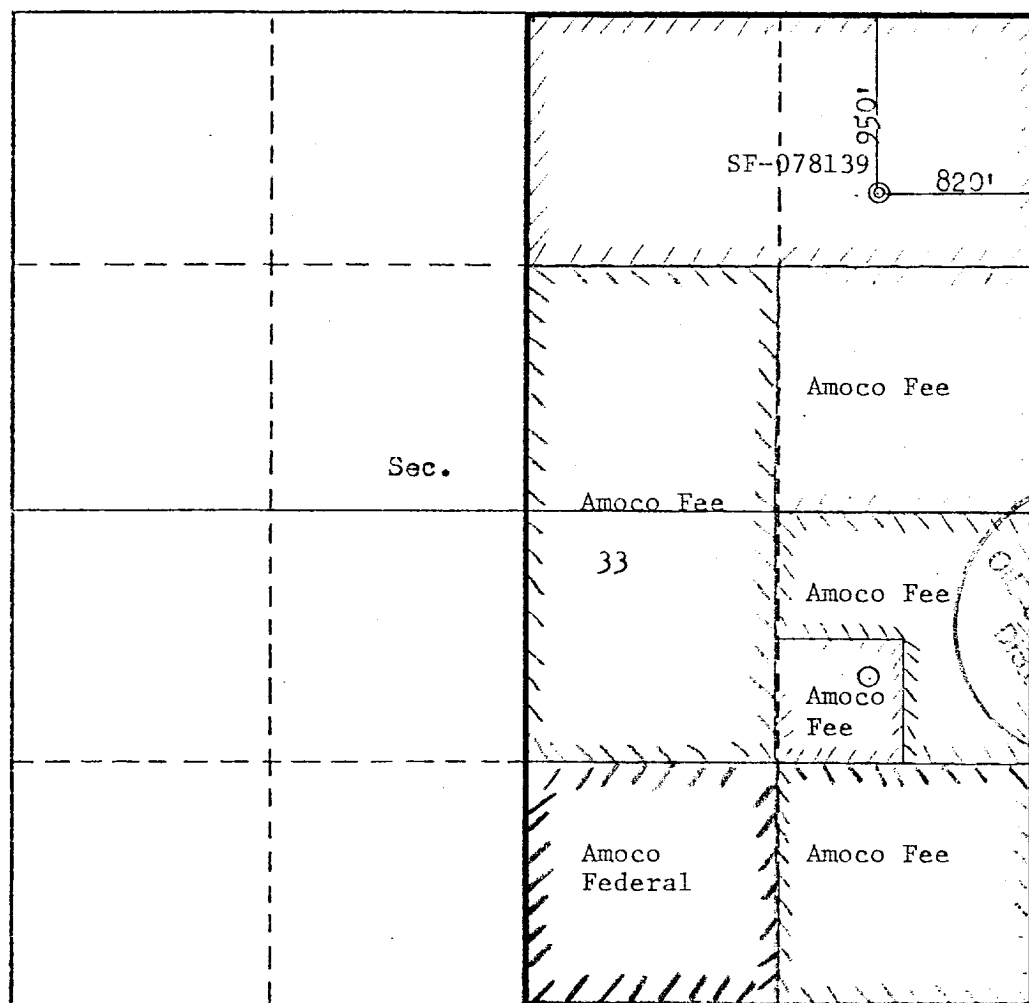
All distances must be from the outer boundaries of the Section.

Operator AMOCO PRODUCTION COMPANY			Lease ELLIOTT GAS COM "N"		Well No. 1-E
Unit Letter A	Section 33	Township 30N	Range 9W	County San Juan	
Actual Footage Location of Well: 950 feet from the North line and 820 feet from the East line					
Ground Level Elev. 5766	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 Communitization and Operating Agreements.
Amoco has all acreage except 2-1/2 acres belonging to J.W. Wilkinson, 1315 No 10th Duncan, Okla.
who has joined in the drilling of 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.

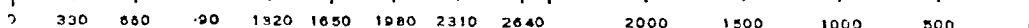
B.E. Fackrell

Name
B.E. FACKRELL
Position
DISTRICT ENGINEER
Company
AMOCO PRODUCTION COMPANY
Date
APRIL 2, 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
March 24, 1980
Registered Professional Engineer and/or Land Surveyor
Fred B. Kern Jr.
Fred B. Kern Jr.

Certification No.
3950



SUPPLEMENTAL INFORMATION TO FORM 9-331C

ELLIOTT GAS COM "N" NO. 1E
950' FNL & 820' FEL, SECTION 33, T30N, R9W
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	1124'	+4655'
Kirtland	1344'	+4435'
Fruitland	2059'	+3720'
Pictured Cliffs	2379'	+3400'
Chacra (if present)	'	'
Mesaverde [Cliff House	4012'	+1767'
Point Lookout	4614'	+1165'
Gallup	5764'	+ 15'
Dakota	6783'	-1004'
TD	7141'	-1362'

Estimated KB elevation: 5779'

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

Formation Density-Comp Neutron-GR
Induction-SP-GR

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

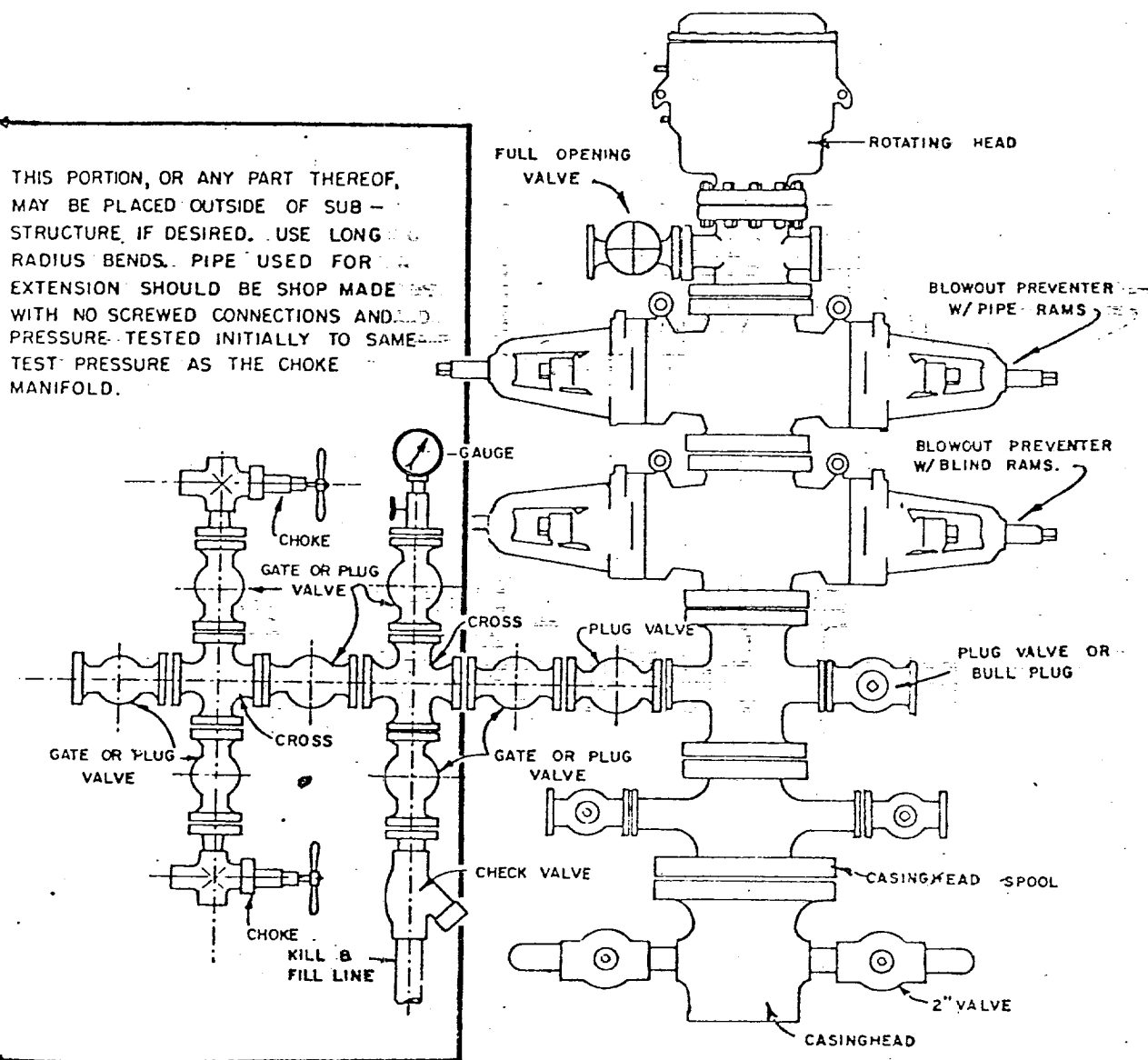
Operations will commence when permitted and last approximately 4 weeks.

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.

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

ELLIOTT GAS COM "N" NO. 1E
950' FNL & 820' FEL, SECTION 33, T30N, R9W
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 Elliott Gas Com "L" No. 1, approximately one-half mile south.
5. Water will be hauled from San Juan River.
6. No construction materials will be hauled in for this location.
7. A 125' by 125' 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 1-foot cut will be made on top 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 as instructed by the Bureau of Land Management.
11. The general topography is a flat area, on old plug and abandoned location. The soil is a sandy loam.

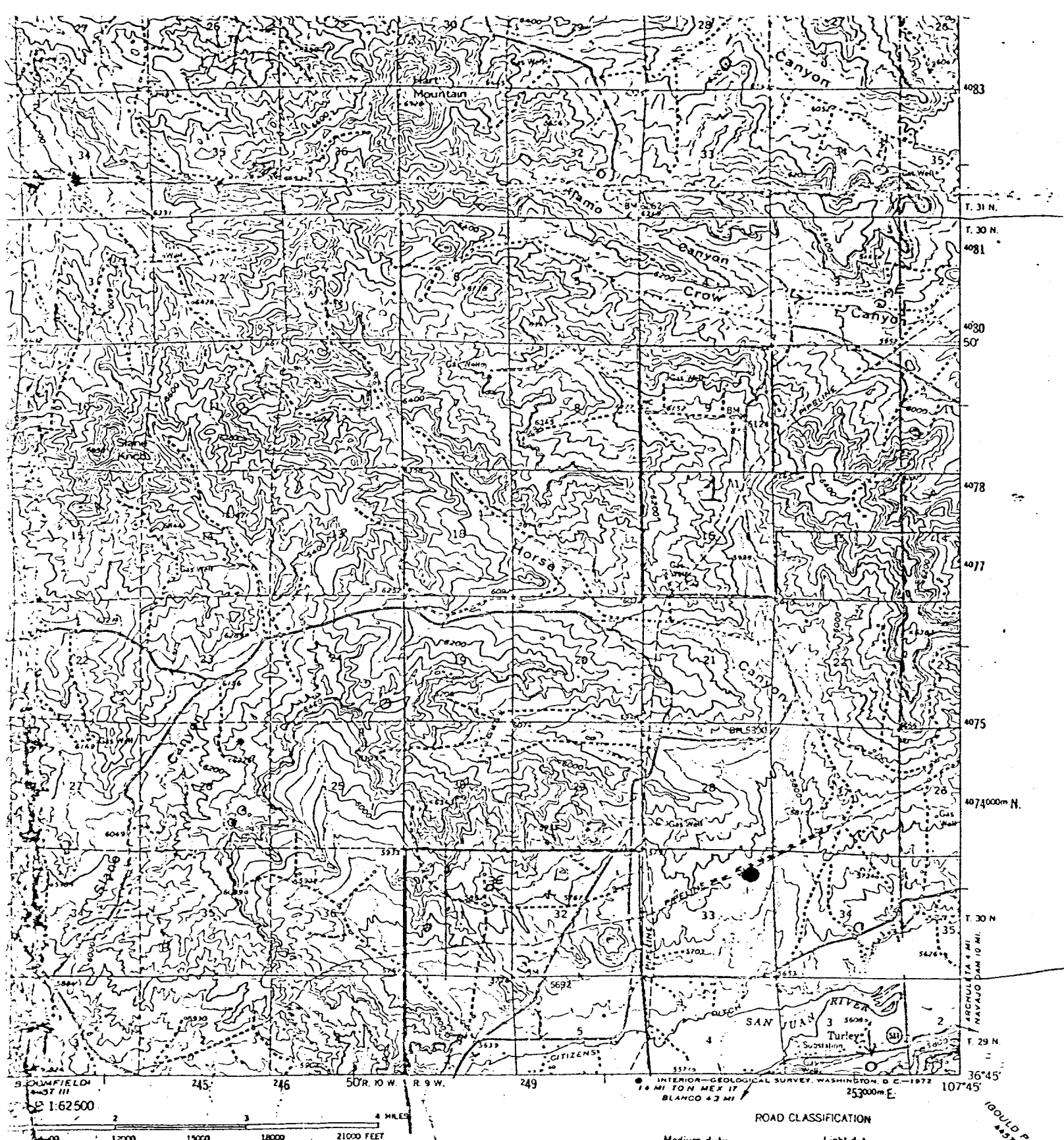
Representatives of the U. S. Geological Survey's Farmington Office and the Bureau of Land Management inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from Salmon Ruins.

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 April 23, 1980

R. W. Schroeder
R. W. Schroeder, District Superintendent



Vicinity Map for
 AMOCO PRODUCTION CO. #1-E ELLIOTT GAS CCM "N"
 950'FNL 820'FEL Sec. 33-T30N-R9W
 SAN JUAN COUNTY, NEW MEXICO

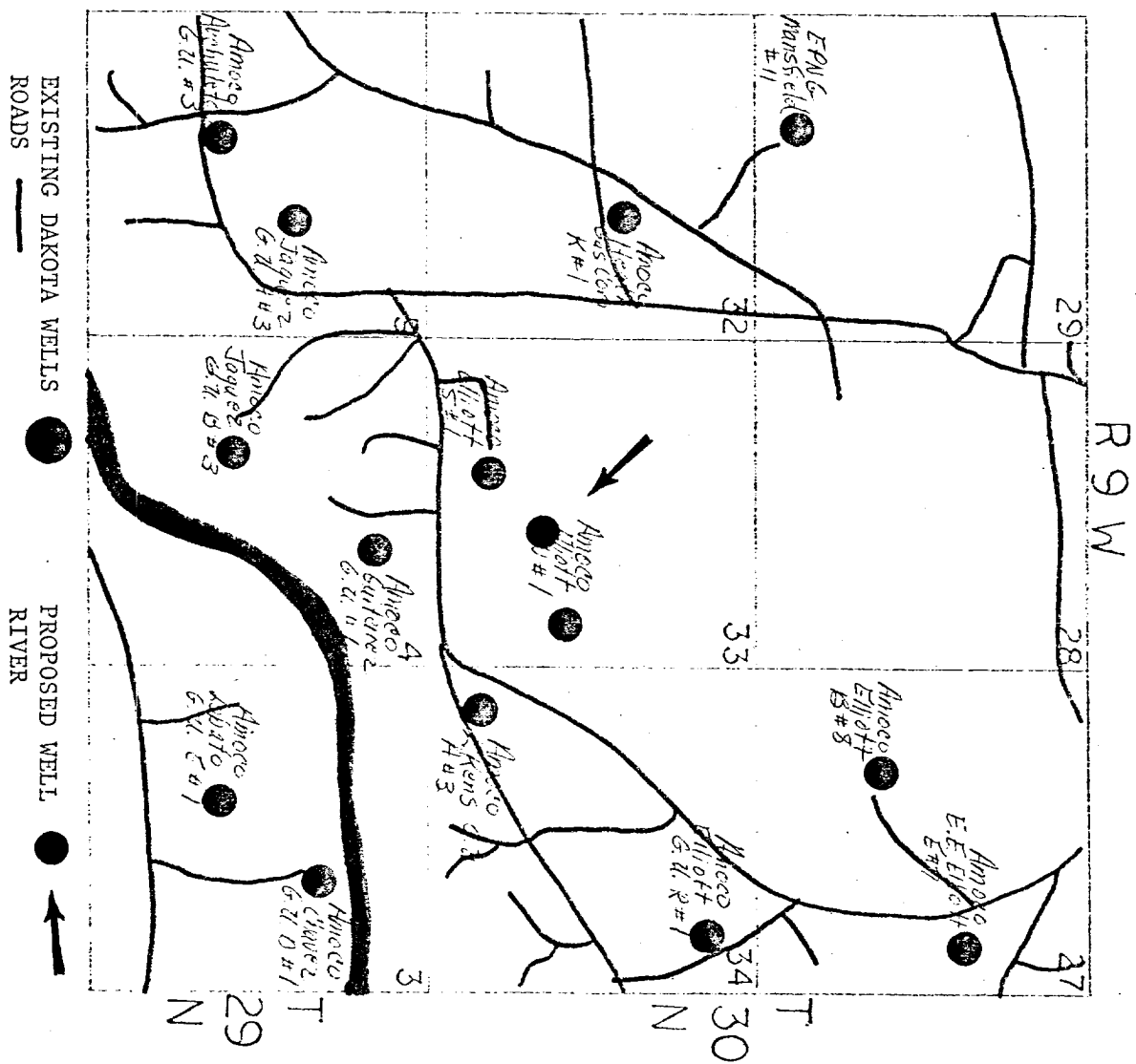
QUADRANGLE LOCATION

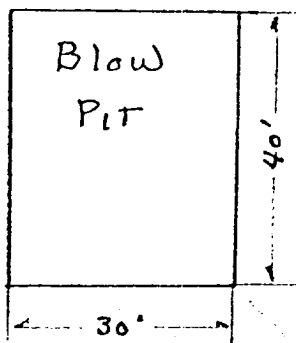
AZTEC, N. MEX.
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1959

AMS 4457 IV-SERIES V781

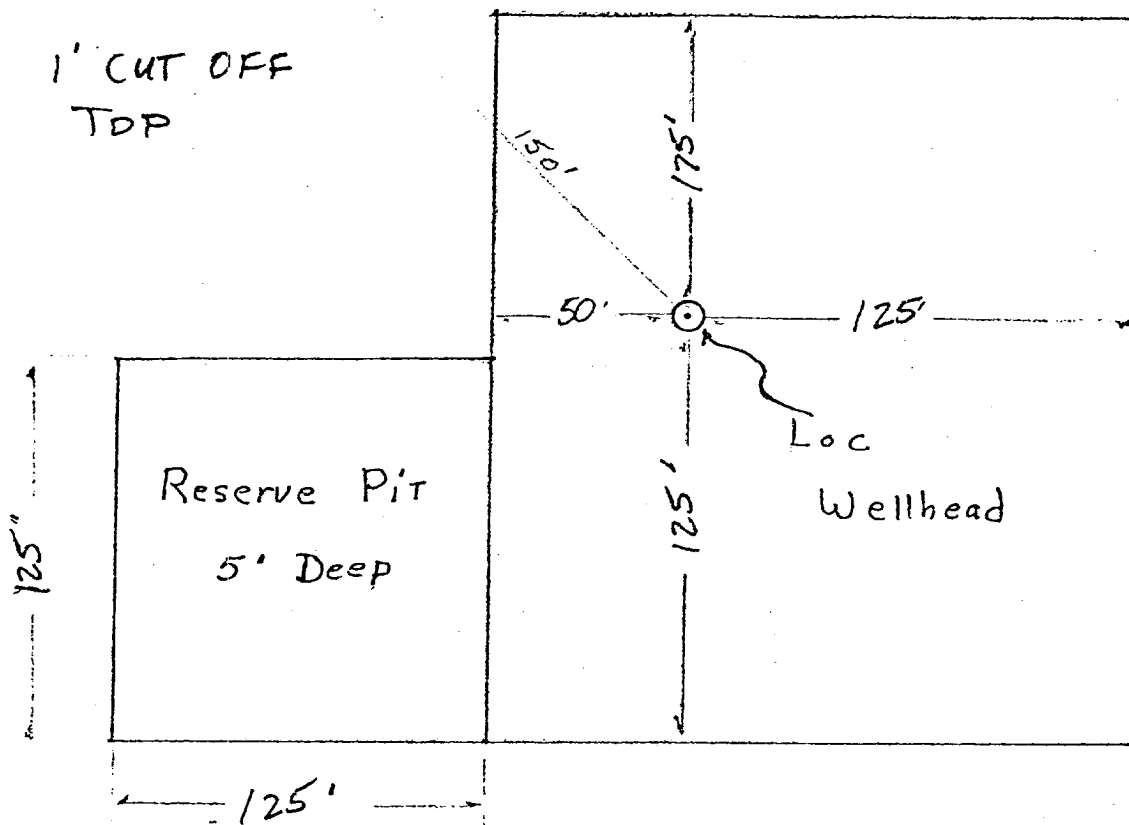
ELLIOTT GAS COM N #1E





SW

1' CUT OFF
TDP



Approximately 1.2 Acres

Amoco Production Company		SCALE: <i>N.C. 1/4"</i>
Drilling Location Specs ELLIOTT GAS COM "N" #1E		DRG. NO.