

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. 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, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface

790' FSL and 790' FWL, Section 30

At proposed prod. zone

Same

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

3 Miles Southeast of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED*

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

790'

16. NO. OF ACRES IN LEASE

119.25

17. NO. OF ACRES ASSIGNED
TO THIS WELL

316.20

18. DISTANCE FROM PROPOSED LOCATION*

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

3754'

19. PROPOSED DEPTH

6452'

20. ROTARY OR SIMILAR TOOLS

Rotary

21. ELEVATIONS (Show whether DE, RI, GR, etc.)

5602' GL

22. APPROX. DATE WORK WILL START*

As soon as permitted

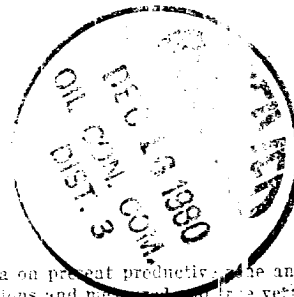
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" (New)	24.0# K-55	300'	500 sx Class B x 2% CaCl ₂ -Circ
7-7/8"	4-1/2" (New)	10.5# K-55	6452'	1st Stage- 400 sx CI B 50:50 Poz
				2nd Stage- 695 sx } x 6% gel, 2% med
				tuf plug/sx, .8%
				FLA x 100 sx CI
				B Neat (Tail in)
				Circ

This application to drill an infill Basin Dakota is pursuant to Order No. R-1670-V approved by the NMOC on May 22, 1979. This well will qualify under Section 103 of the Natural Gas Policy Act under Order No. R-1670-1.

DV Tool set at 4302'.

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



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.

Original Signed By

W. L. Peterson

TITLE District Engineer

DATE November 12, 1980

SIGNED

(This space for Federal or State office use)

PERMIT NO.

APPROVED
AS AMENDED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL

DEC 15 1980

JAMES F. SIMS
DISTRICT ENGINEER

TITLE

DATE

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

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

Operator AMOCO PRODUCTION COMPANY			Lease AERAMS GAS CCM "E"		Well No. 1E
Unit Letter M	Section 30	Township 29N	Range 10W	County San Juan	
Actual Footage Location of Well: 790 feet from the South line and 790 feet from the West line					
Ground Level Elev. 5602	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage: 319.80 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 Force Pooling by

Order No. R-2294 of July 27, 1962 (Case 2603)

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.

Working Interest Owners	
AMOCO	- 42.19825%
GETTY	- 25.01564%
PIONEER	- 20.32520%
DIXIE MARIE McLANE	- 9.34568%
FORCE POOLED	- 3.11523%

Sec.	
Force Pooling	Amoco Fee
Pioneer Production Fee	Amoco Fee
Getty Federal	Amoco Fee
Amoco Federal	Amoco Fee

NM 020502
790'
790'

Scale: 1"=1000'

CERTIFICATION

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

Name

R.A. DOWNEY

Position

DISTRICT ENGINEER

Company

AMOCO PRODUCTION COMPANY

Date

JULY 27, 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

Registered Professional Engineer
and Land Surveyor OF NEW MEXICO

Fred B. Kert, Jr.

Certificate No.

3550

SUPPLEMENTAL INFORMATION TO FORM 9-331C

ABRAMS GAS OCM "E" NO. 1E
790' FSL & 790' FWL, SECTION 30-T29N-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	583 '	+5132 '
Kirtland	796 '	+4819 '
Fruitland	1521 '	+4194 '
Pictured Cliffs	1833 '	+3777 '
Chaco (if present)	2910 '	+2105 '
Mesaverde	Cliff House 3493 '	+2122 '
	Point Lookout 4152 '	+1463 '
Gallup	5366 '	+149 '
Dakota	6252 '	-137 '
TD	6452 '	-137 '

Estimated EB elevation: 5615 '

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

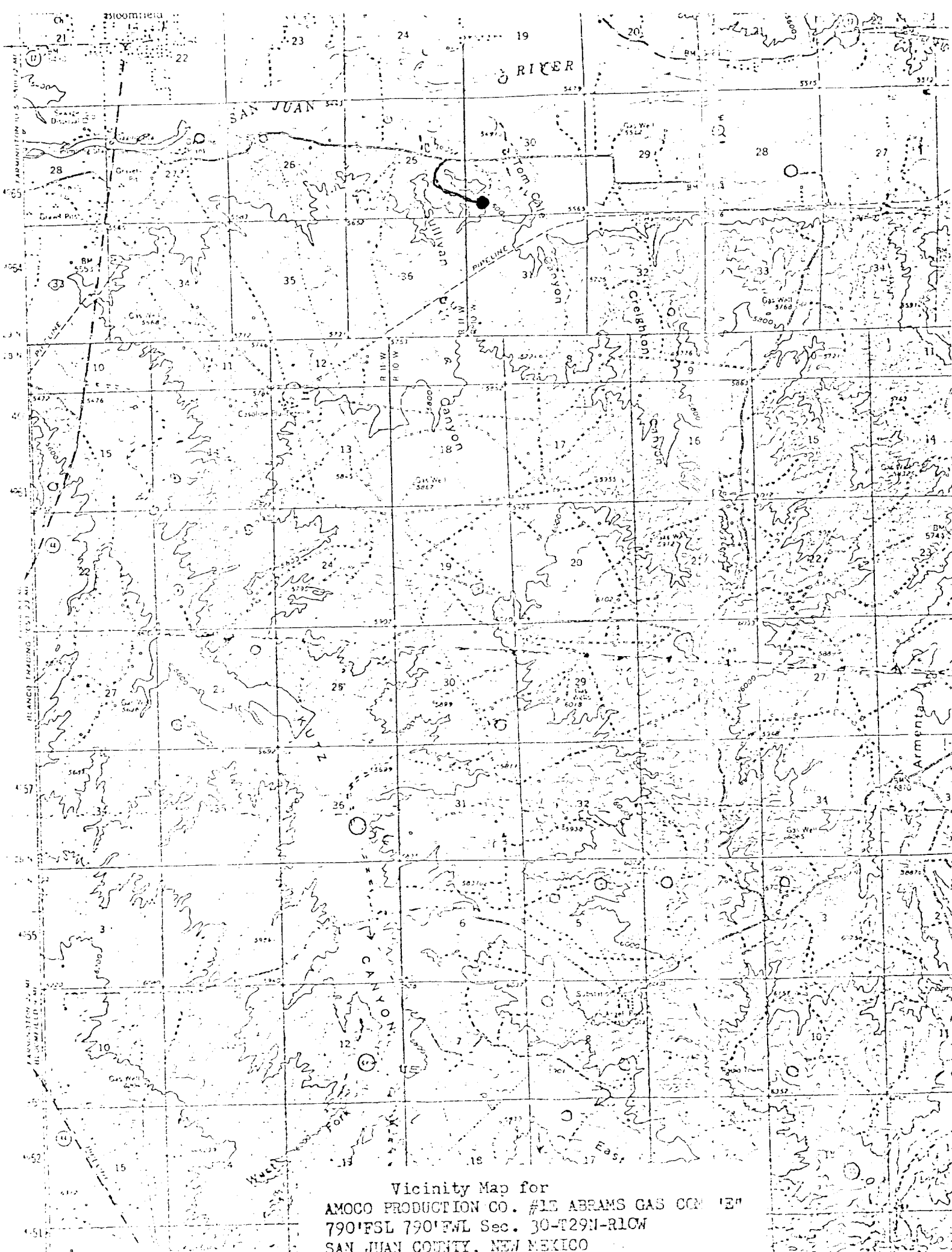
BSC - TD
BSC - TD

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

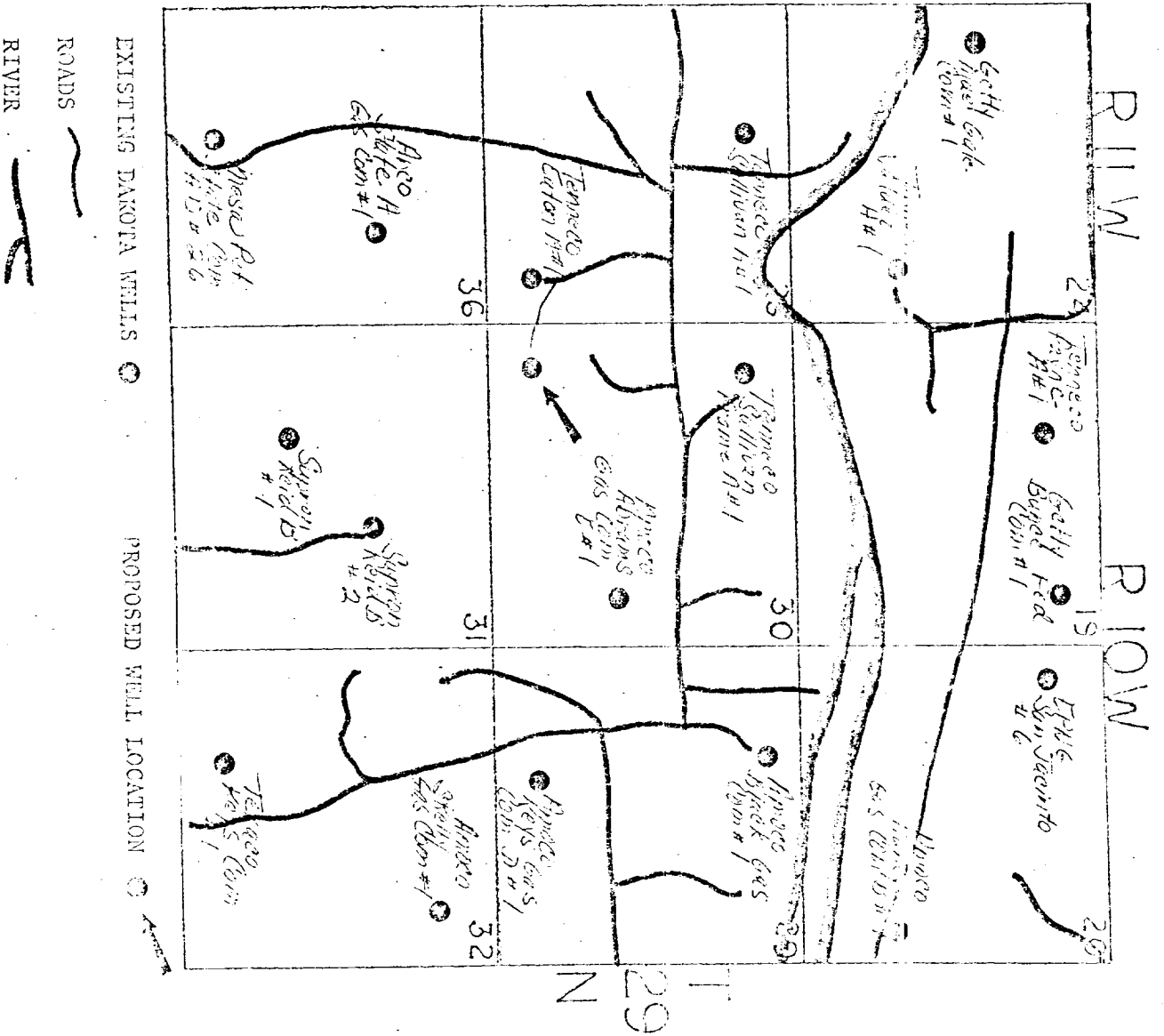
Operations will commence when permitted and last approximately 3 weeks.

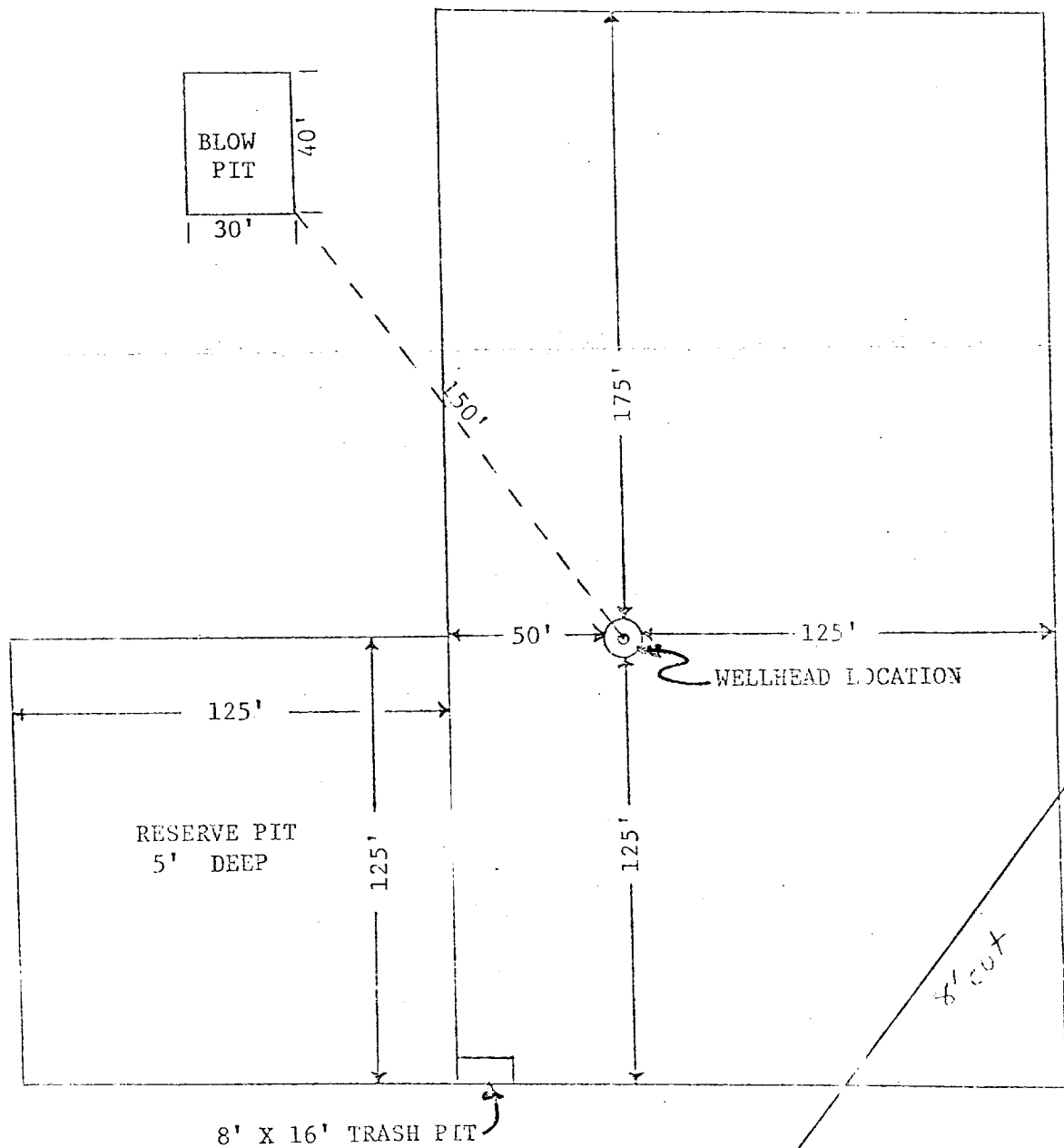
Anoco's standard blowout prevention will be employed (see attached drawing).

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



Vicinity Map for
AMOCO PRODUCTION CO. #1E ABRAMS GAS CON 'E'
790'FSL 790'FWL Sec. 30-T29N-RLCW
SAN JUAN COUNTY, NEW MEXICO

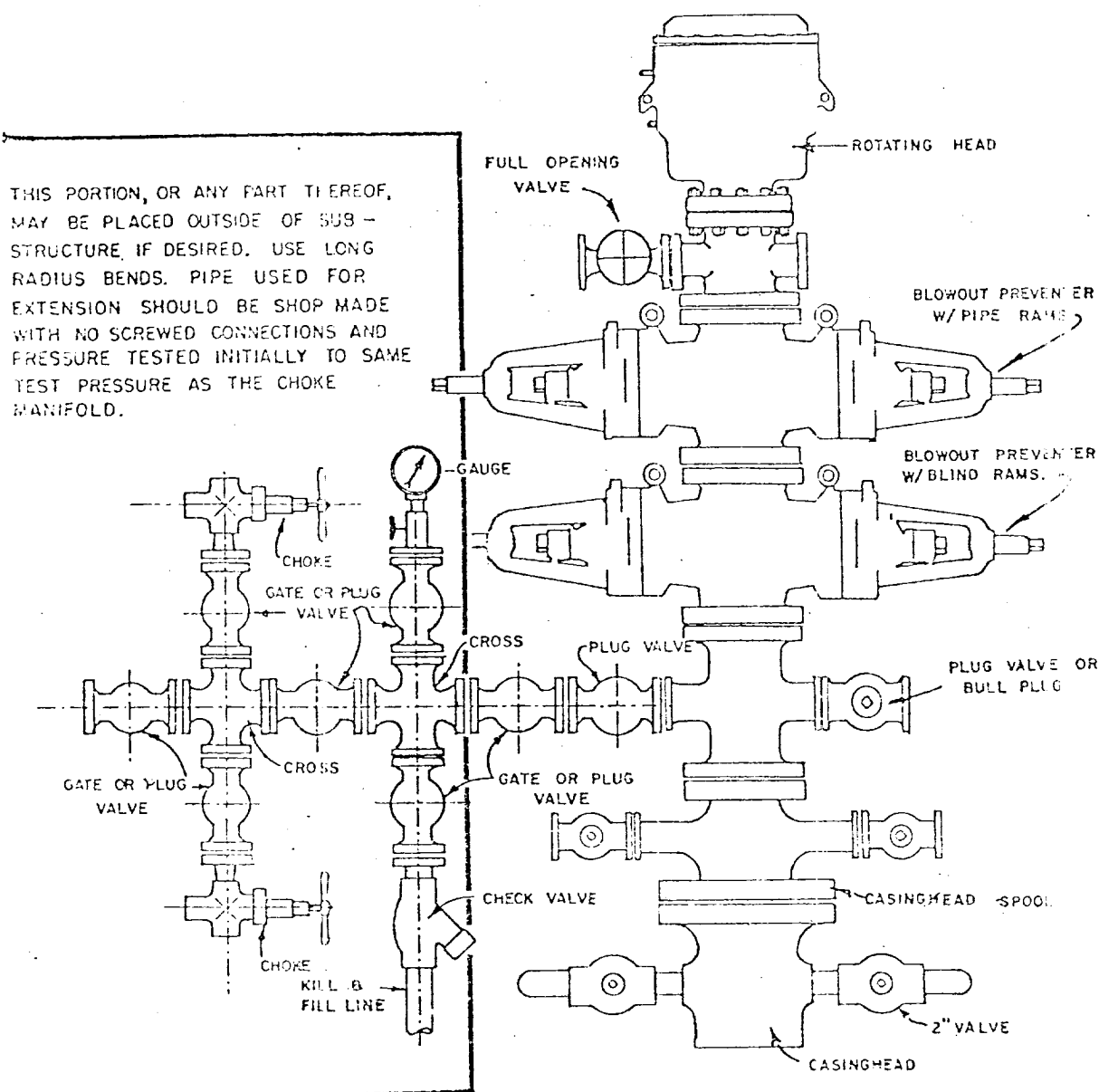




APPROXIMATELY 1.2 ACRES

Amoco Production Company		SCALE: 1"=50'
DRILLING LOCATION SPECIFICATIONS		
Abrams Gas Com E #1E		DRG. NO.

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

ABRAMS GAS COM "E" No. 1E
790' FSL & 790' FWL, Section 30, T29N, R10W
San Juan County, New Mexico

1. The attached topographic map shows the proposed route to the location.
2. It will be necessary to build an access road approximately 1300' in length, 20' wide.
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 Abrams Gas Com "E" No. 1 (I-30-29-10).
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 8 foot cut will be made on the 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 as instructed by the Bureau of Land Management.
11. The general topography is an uneven terrain with sandy loam soil and rocks. Vegetation consists of prickly pear cactus, and native grasses.

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 11/12/80

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