

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-045-2475-6
5. LEASE DESIGNATION AND SERIAL NO.
SF-078099-BA

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

GINTHER GAS COM

9. WELL NO.

2E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

SW/4 NW/4 Section 13

T27N, R13W

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

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, NM 87401

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

At surface

1790' FNL and 1010' FWL, Section 13, T27N, R13W

At proposed prod. zone

Same

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

9 Miles South of Farmington, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

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

1010'

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED
TO THIS WELL

W/320

18. DISTANCE FROM PROPOSED LOCATION*

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

1815'

19. PROPOSED DEPTH

6093'

20. ROTARY OR CABLE TOOLS

Rotary

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

5850' 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"	8-5/8" (New)	24# K-55	300'	300 sx Class B x 2% CaCl2-circ
7-7/8"	4-1/2" (New)	10.5# K-55	6093'	1st Stage- 330 sx CI B 50:50 Poz 2nd Stage- 850 sx 6% gel, 2# med tuf plug/sx, .8% FLA x 100 sx CI B Neat (Tail in) Circ

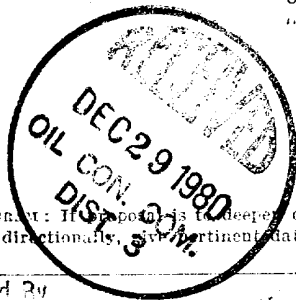
This application to drill an infill Basin Dakota is
pursuant to Order No. R1670-V approved by the NMOCD on
May 22, 1979. This well will qualify under Section 105
of the Natural Gas Policy Act under Order No. R-1670-V.

DV Tool set at 4239'

The gas from this well is ~~not~~ dedicated to a Gas Sales

This action is subject to administrative
appeal pursuant to 30 CFR 290.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"



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. Palmer

TITLE District Engineer

DATE November 12, 1980

SIGNED

(This space for Federal or state office use)

PERMIT NO.

APPROVED
RECOMMENDED

APPROVAL DATE

APPROVED BY

TITLE

DATE

DEC 27 1980
for F. SIMS
DISTRICT ENGINEER

NMOCC

SUPPLEMENTAL INFORMATION TO FORM 9-331C
GINTHER GAS COM NO. 2E
1790' FNL & 1010' FWL, SECTION 13, T27N, R13W
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	23 '	5840 '
Kirtland	143 '	5720 '
Fruitland	952 '	+4911'
Pictured Cliffs	1249 '	+4614'
Chacra (if present)	'	'
Mesaverde [Cliff House	2126 '	+3737'
[Point Lookout	3775 '	+2088'
Gallup	4874 '	+ 989'
Dakota	5845 '	+ 18'
TD	6093 '	- 230'

Estimated KB elevation: 5863 '

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:

Dual-Induction-GR
CNL-FDC-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.

OIL CONSERVATION DIVISION

P. O. BOX 2088

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

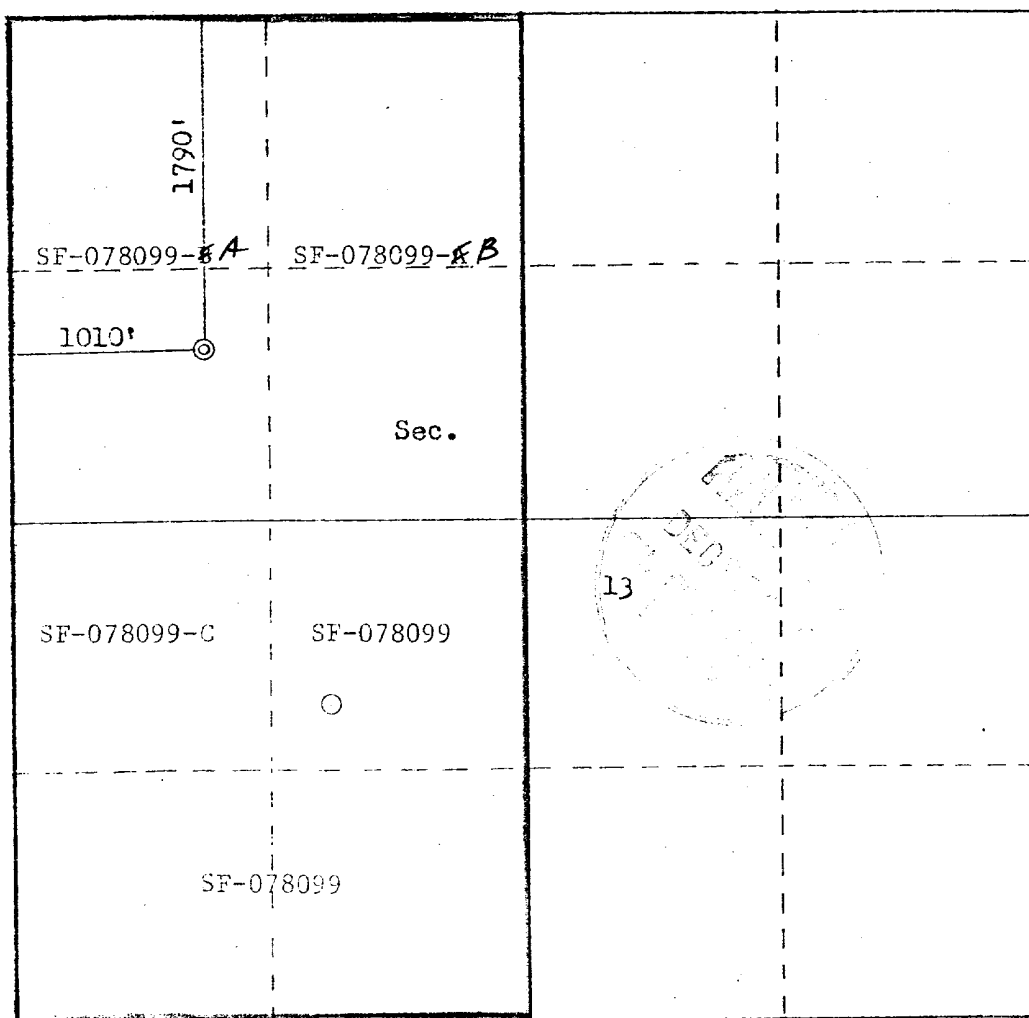
Operator AMOCO PRODUCTION COMPANY			Lease GINTHER GAS COM		Well No. 2E
Unit Letter E	Section 13	Township 27N	Range 13W	County San Juan	
Actual Footage Location of Well: 1790 feet from the North line and 1010 feet from the West line					
Ground Level Elev. 5849	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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

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.



Scale: 1"=1000'

CERTIFICATION

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

R.A. Downey

Name

R.A. DOWNEY

Position

DISTRICT ENGINEER

Company

AMOCO PRODUCTION COMPANY

Date

SEPTEMBER 11, 1980

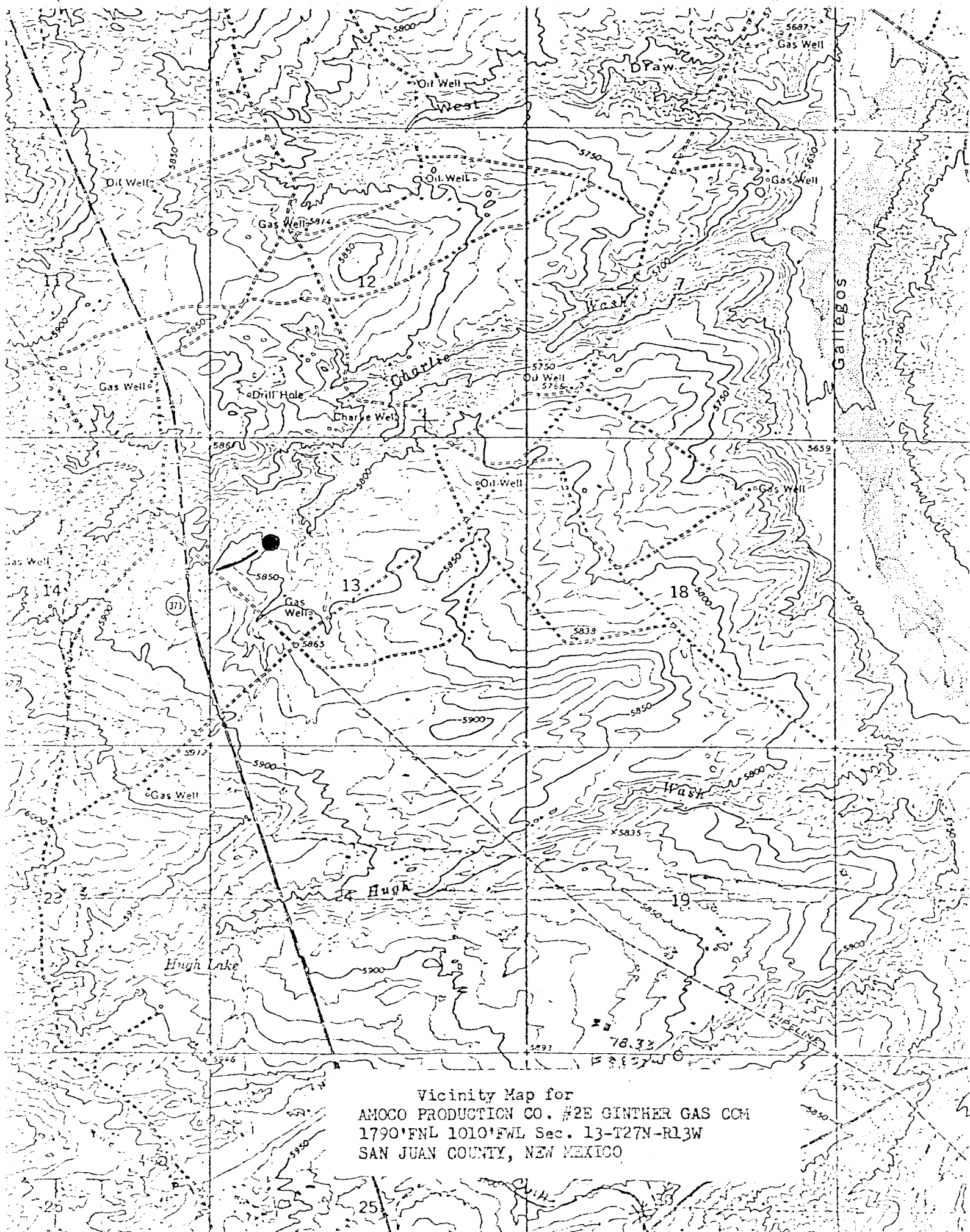
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

September 9, 1980

Registered Professional Engineer
and Land Surveyor*Fred B. Kerr Jr.*
Fred B. Kerr Jr.
Certificate No. 3950

3950



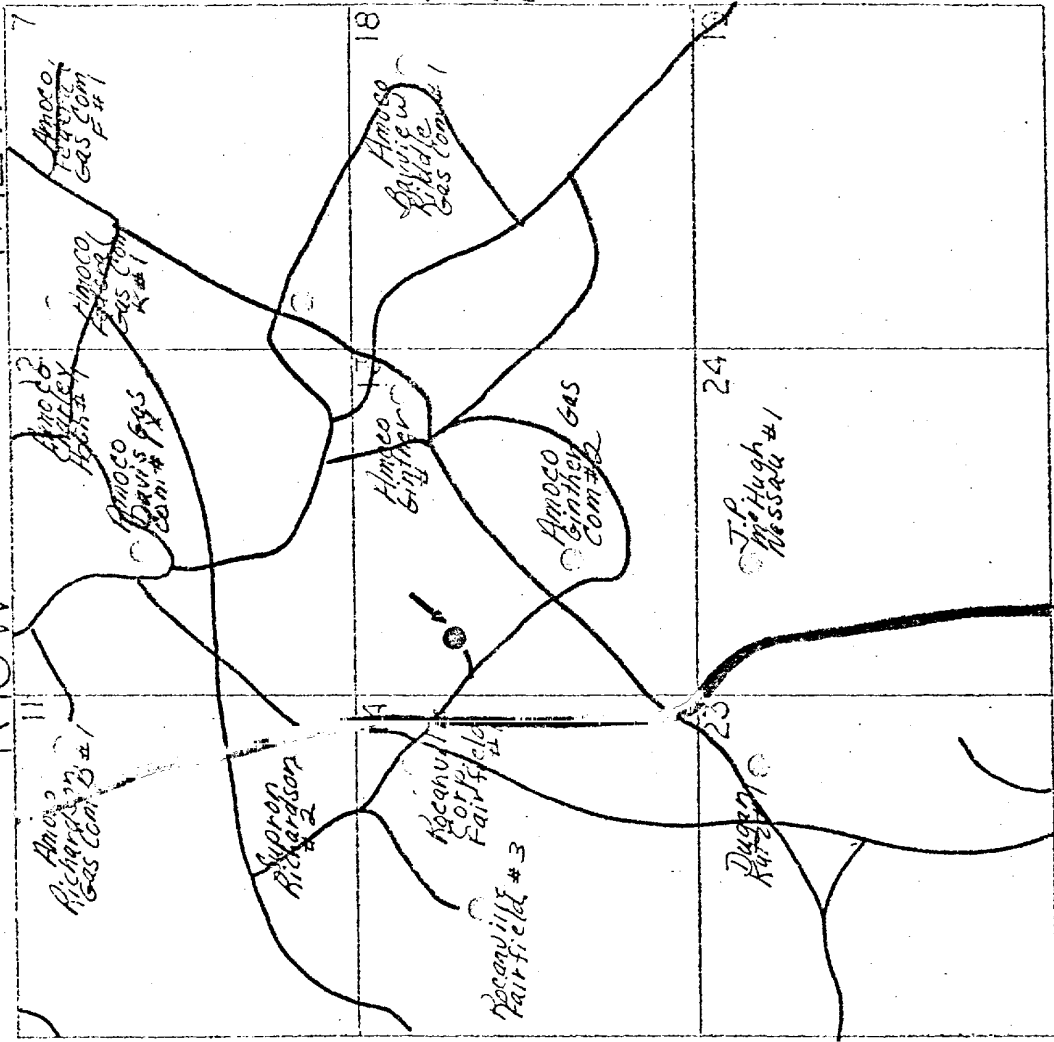
Vicinity Map for
AMOCO PRODUCTION CO. #2E GINTHER GAS COM
1790'FNL 1010'FWL Sec. 13-T27N-R13W
SAN JUAN COUNTY, NEW MEXICO

GINTHER GAS COM #2E

R13W

R12W

T 27 N



EXISTING BASIN DAKOTA WELLS

PROPOSED WELL LOCATION

ROADS

MULTI-POINT SURFACE USE PLAN

GINTHER GAS COM NO. 2E

1790' FNL & 1010' FWL, Section 13, T27N, R13W

San Juan County, New Mexico

1. The attached topographic map shows the proposed route to the location.
2. It will be necessary to improve an access road approximately 1000 feet in length and 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 Ginther Gas Com #2 (K-13-27-13).
5. Water will be hauled from the 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 6 foot cut will be made on the SW 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 Indian Affairs.
11. The general topography is a flat terrain with a sandy loam soil. Vegetation consists of native grasses.

Representatives of the U. S. Geological Survey's Farmington Office and the Bureau of Indian Affairs (Window Rock) inspected the site with Amoco Personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.

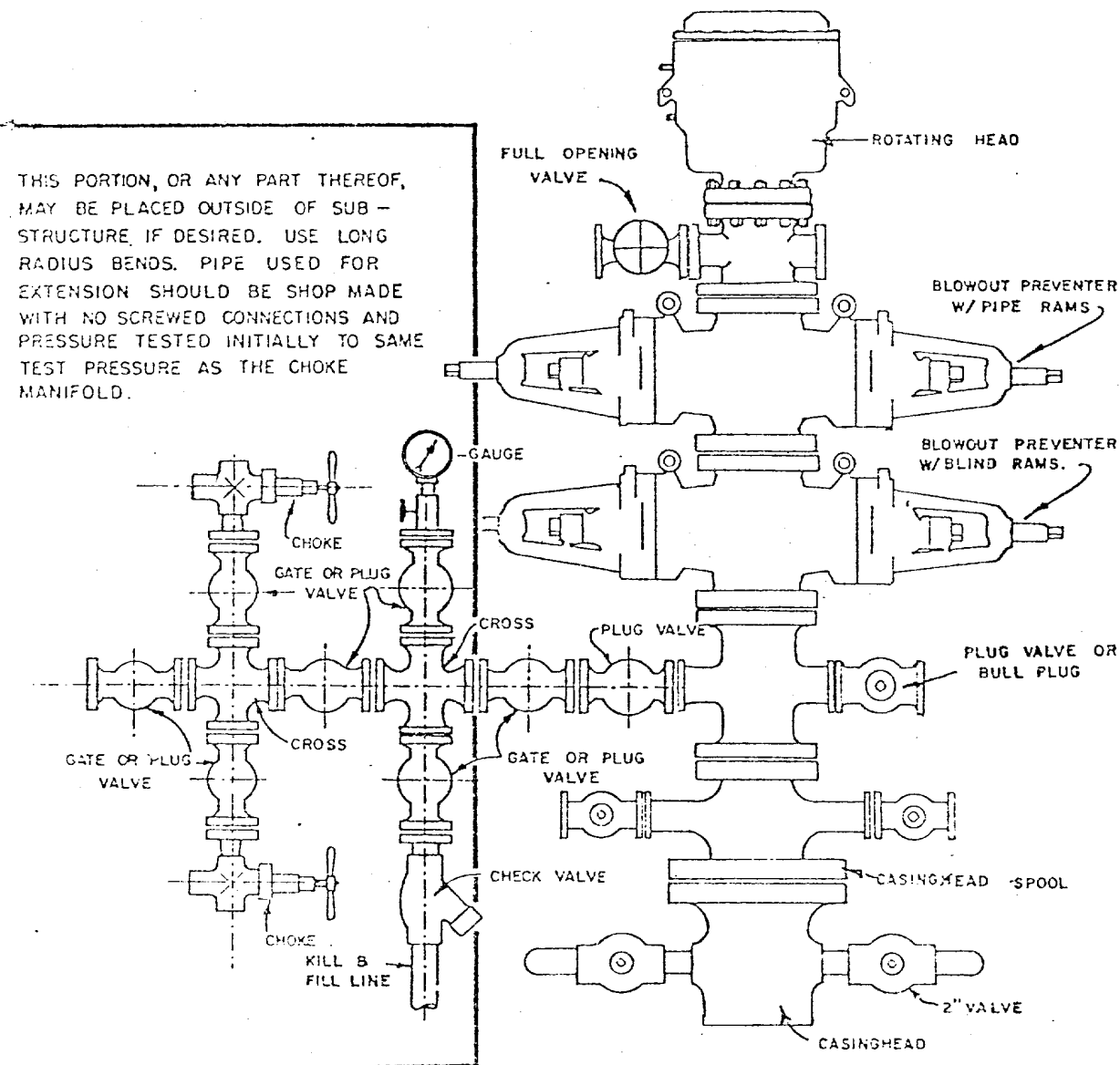
12. Operator's Representative: R. W. Schroeder
Phone: Office: 505-325-8841; Home: 505-325-6164
Address: 501 Airport Drive, Farmington, NM 87401

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

1. Blowout Preventers and Master Valve to be fully 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 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.



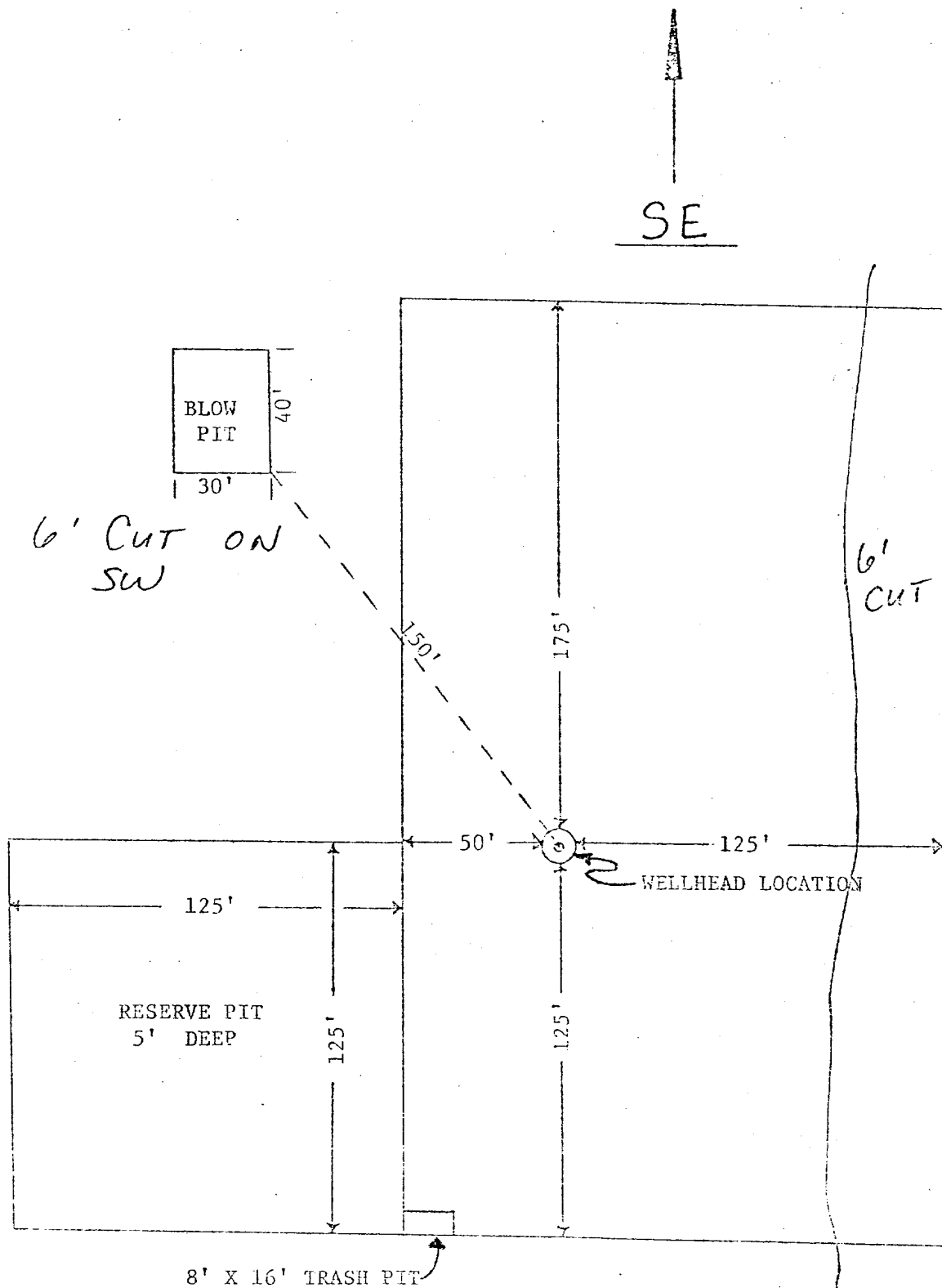
BLOWOUT PREVENTER HOOKUP

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.



APPROXIMATELY 1.2 ACRES

Amoco Production Company

SCALE: 1"=50'

DRILLING LOCATION SPECIFICATIONS

GINTHER GAS COM # 2E

DWG.
NO.