

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, NM 87401

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

At surface

450' FNL and 1580' FWL, Section 23

At proposed prod. zone

Same

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

10.9 Miles Southwest of Blanco, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

450'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

2550'

16. NO. OF ACRES IN LEASE

1905.76

19. PROPOSED DEPTH

7001'

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

6474' 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)	24.0# K-55	300'	500 sx Class B x 2% CaCl2-Circ
7-7/8"	4-1/2" (New)	10.5# K-55	7001'	1st Stage- 380 sx) CI B 50:50 Poz
				2nd Stage-1080 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 NMOCDC 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 Company.

DV Tool set at 4950'.

Application for an Unorthodox Location has been filed with the Santa Fe Office of the NMOCDC.

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 use by State office only)

APPROVED
AS AMENDED

APPROVAL DATE

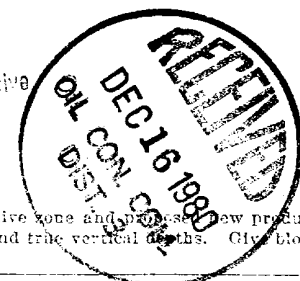
APPROVED BY DEC 15 1980

COMMISSIONER OF GEORGE

for JAMES F. SIMS
DISTRICT ENGINEER

TITLE

DATE

44-12-104
for NSL

3m

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.

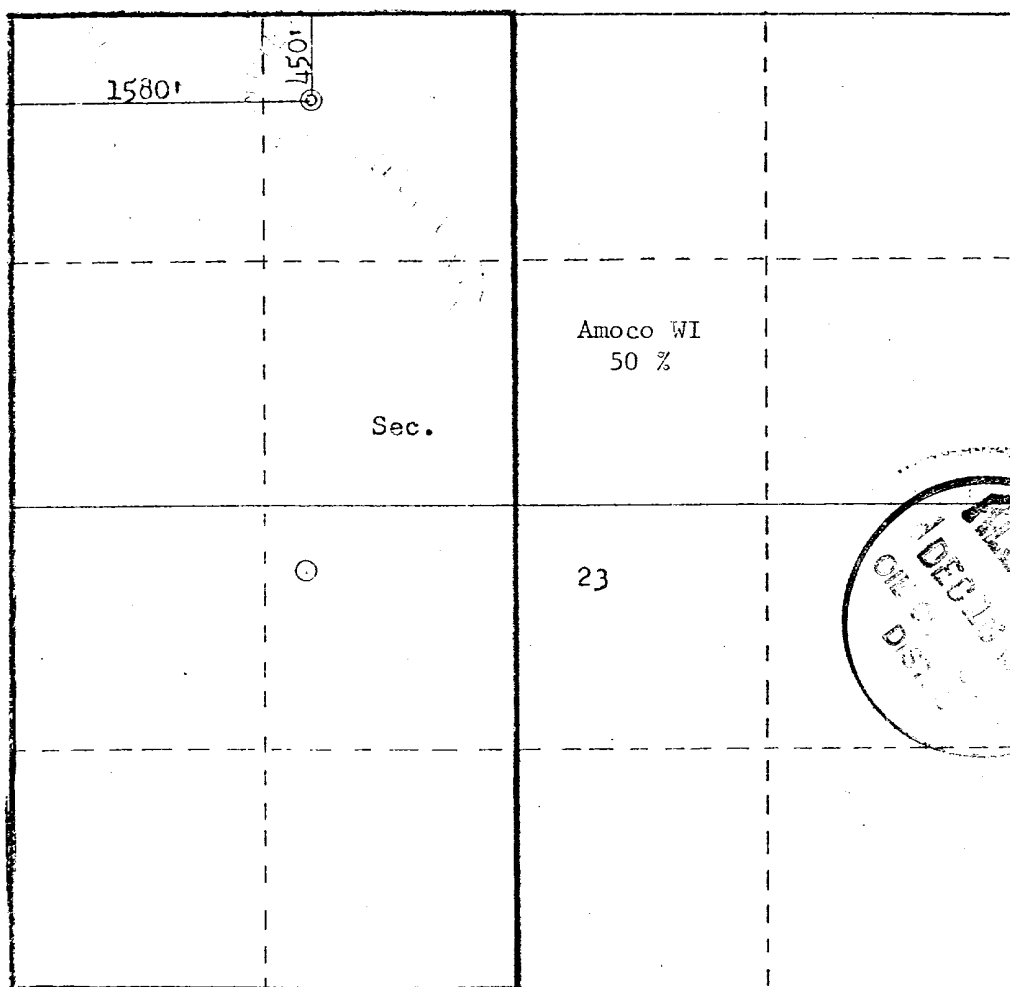
Operator AMOCO PRODUCTION COMPANY			Lease J. C. GORDON "D"		Well No. 3E
Unit Letter C	Section 23	Township 27N	Range 10W	County San Juan	
Actual Footage Location of Well: 450 feet from the North line and 1580 feet from the West line					
Ground Level Elev. 6474	Producing Formation Dakota		Pool Basin Dakota	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 approved
drilling of 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.



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

W. L. Peterson

Position

District Engineer

Company

Amoco Production Company

Date

October 8, 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 15, 1980

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr, Jr.

Certificate No.

3950 F. B. KERR, JR.

SUPPLEMENTAL INFORMATION TO FORM 9-331C

J. C. GORDON "D" NO. 3E
450' FNL & 1580' FWL, SECTION 23-T27N-R10W
SAN JUAN COUNTY, NEW MEXICO

The geologic name of the surface formation is the Tertiary Naciminet

Estimated tops of important potential hydrocarbon bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Pictured Cliffs	2294'	+4193'
Cliffhouse	3838'	+2649'
Point Lookout	4661'	+1826'
Gallup	5317'	+ 670'
Dakota	6724'	- 237'

TD	7001'	- 514
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Estimated KB elevation: 6487'

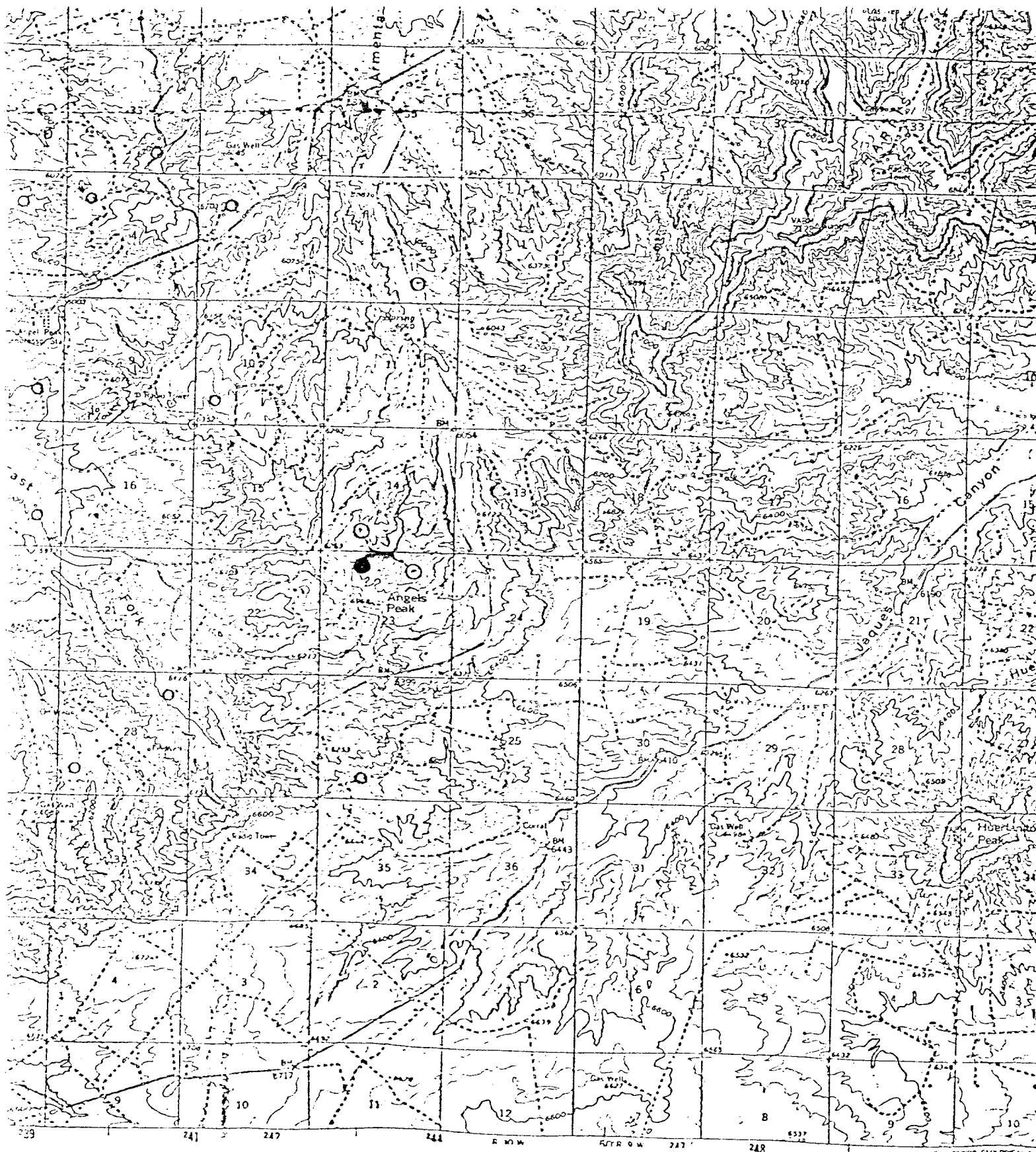
Drilling fluid to TD will be a low solids non-dispersed mud system. Open hole logging program will include logs from TD to below surface casing:

Dual Induction -GR-SP	BSC - TD
CNL-FDC-GR	BSC - TD

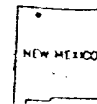
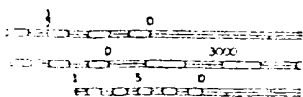
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 3 weeks.

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



Vicinity Map for
 AMOCO PRODUCTION CO. #3E J. C. GORDON "D"
 450' FNL 1580' FWL Sec. 23-T27N-R10W
 SAN JUAN COUNTY, NEW MEXICO



ROAD CL
 Medium duty —
 Unimproved

J. C. GORDON D #3E

R 10 W

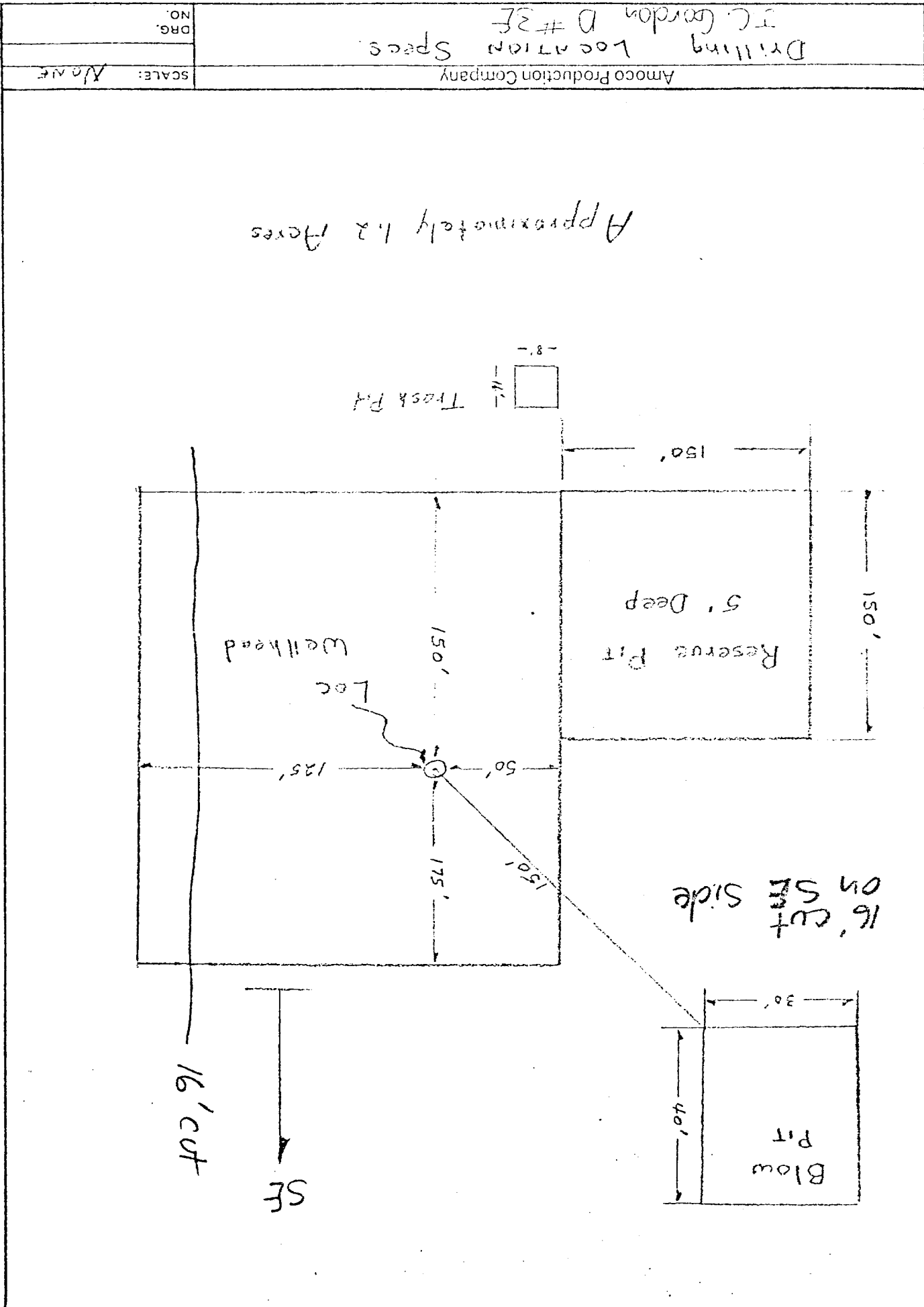
<p>15</p> <p>AMOCO</p> <p>MARTIN GULF #1</p>	<p>14</p> <p>AMOCO</p> <p>MARTIN GAS COM Q #1</p>	<p>13</p> <p>KINGWOOD</p> <p>US KNOW #1</p> <p>TENNECO</p> <p>C. MORRIS COM A #1</p>
<p>22</p> <p>AMOCO</p> <p>J.C. GORDON D #2</p>	<p>23</p> <p>AMOCO</p> <p>J.C. GORDON D #3</p> <p>AMOCO</p> <p>J.C. GORDON D #4</p>	<p>24</p> <p>AMOCO</p> <p>J.C. GORDON D #5</p> <p>EPNG</p> <p>GORDON A #2</p>
<p>27</p> <p>AMOCO</p> <p>JACK FROST B #2</p>	<p>26</p> <p>AMOCO</p> <p>JACK FROST D #1</p> <p>AMOCO</p> <p>JACK FROST GAS COM Q #1</p>	<p>25</p> <p>AMOCO</p> <p>JACK FROST GAS COM E #1</p> <p>EPNG</p> <p>FROST A #1</p>

T
27
N

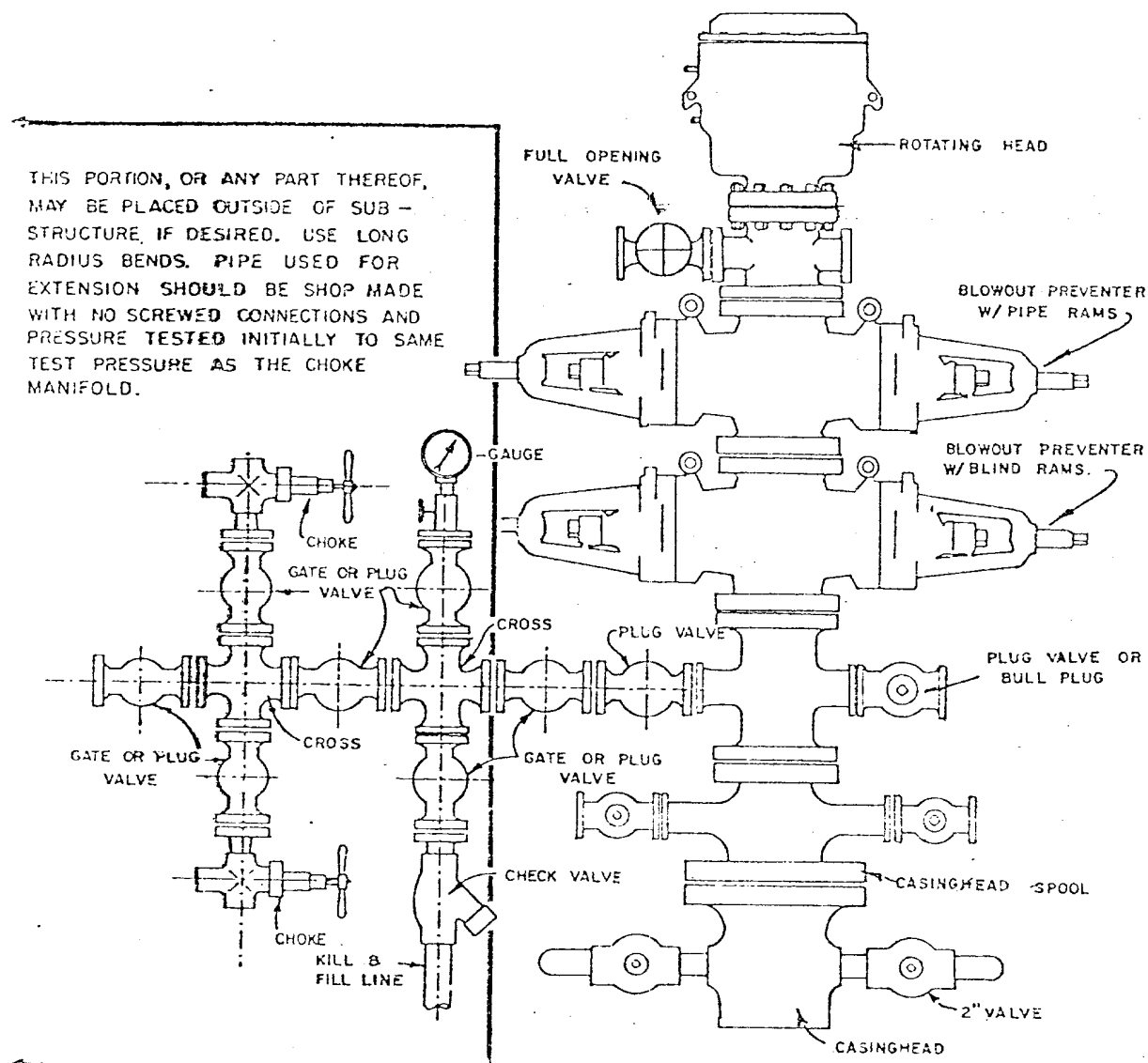
EXISTING BASIN DAKOTA WELLS

PROPOSED WELL LOCATION





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

J. C. GORDON "D" NO. 3E

450' FNL & 1580' FWL, Section 23, T27N, 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 2000' 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 J. C. Gordon "D" No. 3 (K-23-27-10).
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 16-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 Land Management.
11. The general topography is on uneven terrain with a sandy loam soil. Vegetation consists of sage brush, 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