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U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-4-65

5A. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name Hare Gas Com J
9. Well No. 1
10. Field and Pool, or Wildcat Otero Chacra
12. County San Juan
19. Proposed Depth 2999'
19A. Formation Chacra
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 5581' GR
21A. Kind & Status Plug. Bond Statewide
21B. Drilling Contractor Unknown
22. Approx. Date Work will start As soon as permitted

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	2. Name of Operator Amoco Production Company	3. Address of Operator 501 Airport Drive, Farmington, NM 87401	4. Location of Well UNIT LETTER <u>J</u> LOCATED <u>2210</u> FEET FROM THE <u>South</u> LINE AND <u>1670</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>14</u> TWP. <u>T29N</u> RGE. <u>11W</u> NMPM	7. Unit Agreement Name	8. Farm or Lease Name Hare Gas Com J	9. Well No. 1	10. Field and Pool, or Wildcat Otero Chacra	12. County San Juan	19. Proposed Depth 2999'	19A. Formation Chacra	20. Rotary or C.T. Rotary	21. Elevations (Show whether DF, RT, etc.) 5581' GR	21A. Kind & Status Plug. Bond Statewide	21B. Drilling Contractor Unknown	22. Approx. Date Work will start As soon as permitted
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23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	10.5#, K-55	300'	300	surface
6-1/4"	4-1/2"	10.5#, K-55	2999'	530	surface

Amoco proposes to drill the above well to further develop the Otero Chacra reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is undedicated at this time.

APPROVAL EXPIRES 2-1-85
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

RECEIVED
AUG 01 1984
OIL CON. DIV.
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Original Signed By B. D. Shaw Title Administrative Supervisor Date July 30, 1984

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT #3 DATE AUG 1 1984

CONDITIONS OF APPROVAL, IF ANY:

Valid 104 for NSI

1. DATE _____
 2. TO _____
 3. FROM _____
 4. SUBJECT _____
 5. REMARKS _____
 6. INITIALS _____
 7. SIGNATURE _____
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 220. FROM _____
 221. SUBJECT _____
 222. REMARKS _____
 223. INITIALS _____

Abstract

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.

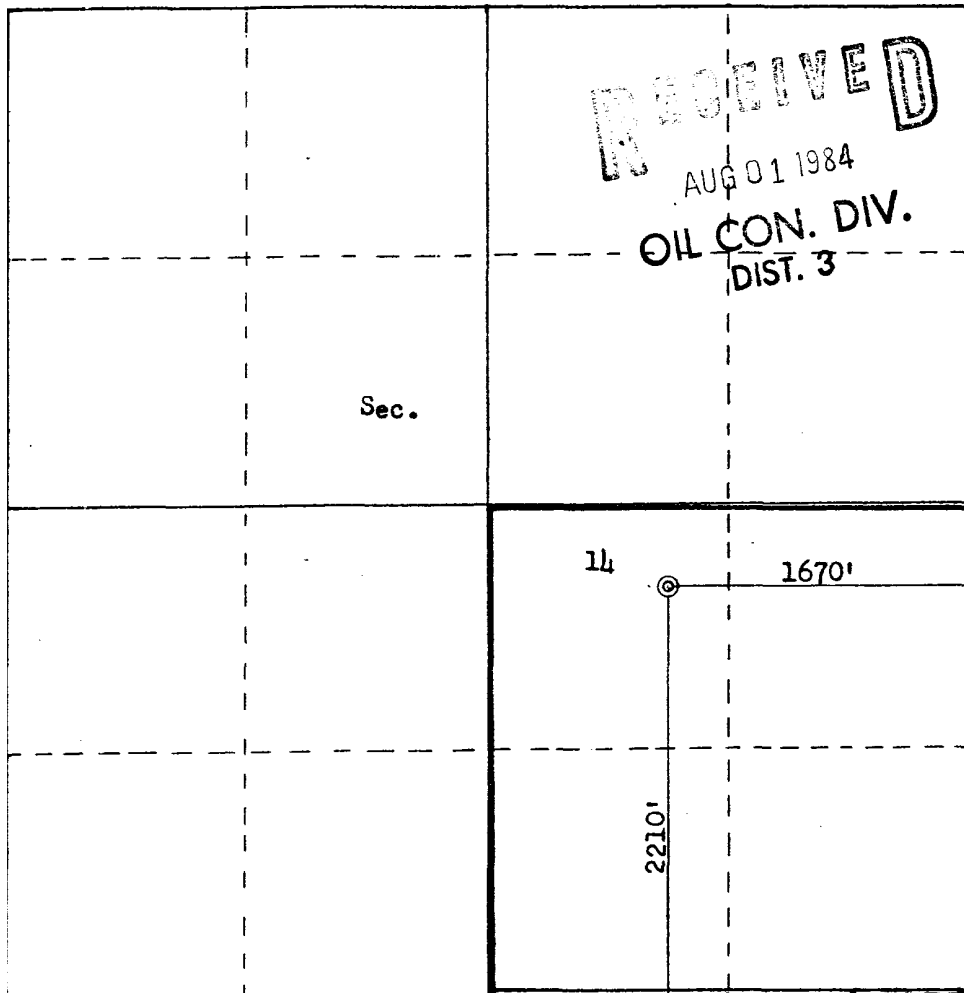
Operator AMOCO PRODUCTION COMPANY			Lease Hare Gas Com J		Well No. 1
Unit Letter J	Section 14	Township 29N	Range 11W	County San Juan	
Actual Footage Location of Well: 2210 feet from the South line and 1670 feet from the East line					
Ground Level Elev. 5581	Producing Formation Chacra		Pool Otero Chacra		Dedicated Acreage: 160 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 Communitized

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.
Original Signed By
B. D. Shaw

Name

B. D. Shaw

Position

Administrative Supervisor

Company

Amoco Production Company

Date

July 23, 1984

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 23, 1984

Registered Professional Engineer
and Land Surveyor

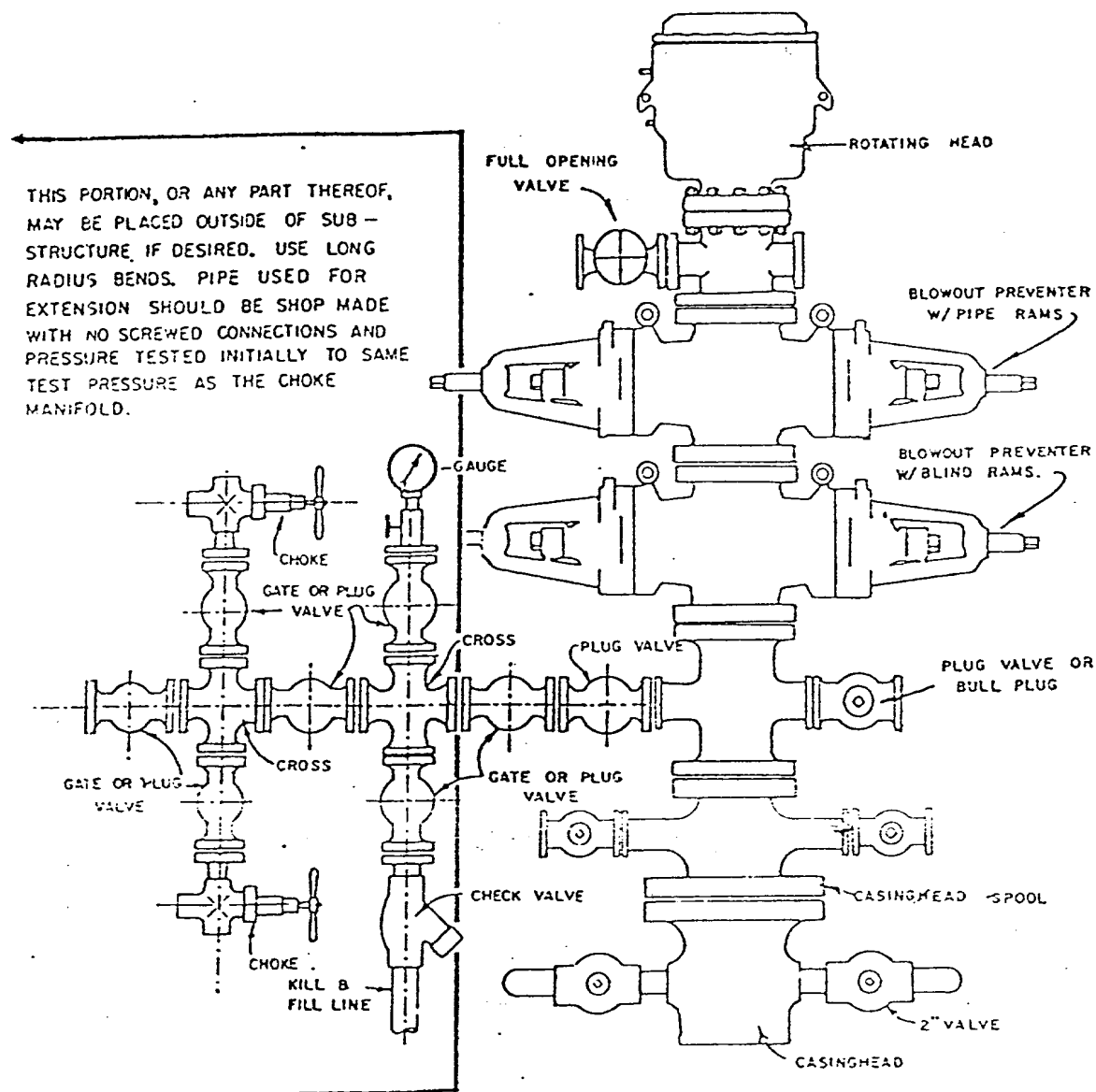
Fred B. Kerr Jr.

Certificate No. 4222

3950

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.



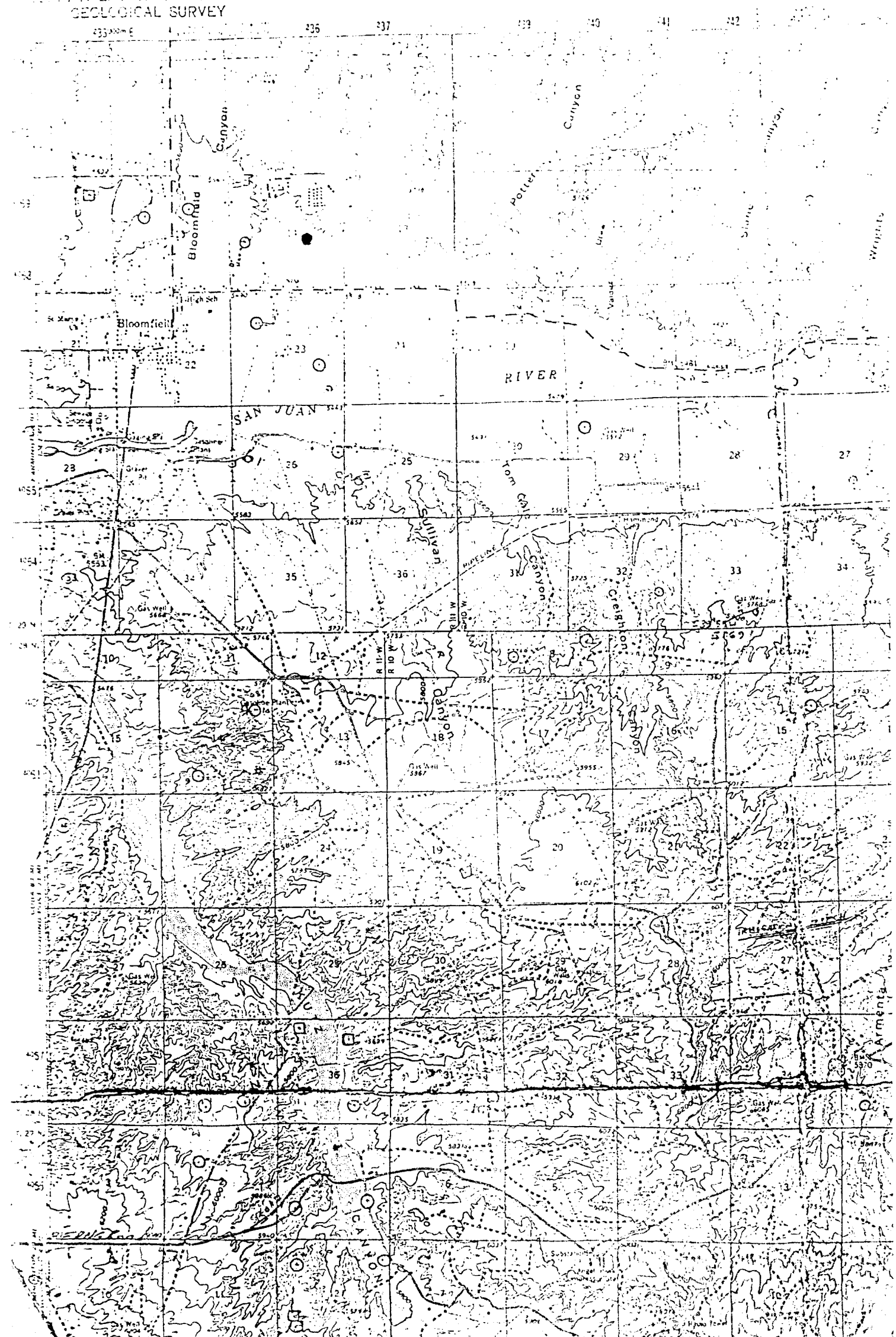
BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT D-4

OCTOBER 16, 1965

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.



Vicinity Map for
AMOCO PRODUCTION COMPANY Harc Gas Com J #1
2210'FSL 1670'FEL Sec. 14-T29N-R11W
SAN JUAN COUNTY, NEW MEXICO