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LAND OFFICE	
OPERATOR	

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DEC 21 1984

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		OIL CON. DIV. DIST. 3	
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"/>	
2. Name of Operator Amoco Production Company		7. Unit Agreement Name Gallegos Canyon Unit	
3. Address of Operator 501 Airport Drive, Farmington, NM 87401		8. Term of Lease Name	
4. Location of Well UNIT LETTER <u>N</u> LOCATED <u>1205</u> FEET FROM THE <u>South</u> LINE <u>AND 1840</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>19</u> TWP. <u>29N</u> RGE. <u>12W</u> NEARBY		9. Well No. 107E	
		10. Field and Pool, or Wildcat Basin Dakota	
		11. County San Juan	
		12. Proposed Depth 5997'	
		19A. Formation Dakota	
		20. Rotary or C.T. Rotary	
21. Elevations (Show whether D.F., K.T., etc.) 5307' GR		21A. Kind & Status Plug. Bond Statewide	
		21B. Drilling Contractor Unknown	
		22. Approx. Date Work will start As soon as permitted	

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"	24#, K-55	300'	354 c.f.	Class B
7-7/8"	4-1/2"	10.5#, K-55	5,997'	2050 c.f.	Class B

Amoco proposes to drill the above well to further develop the Basin Dakota 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 dedicated to El Paso Natural Gas under contract No. 56742.

APPROVAL EXPIRES 7-22-85  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Original Signed by B.D. Shaw Title Administrative Supervisor Date 12/17/84

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT #3 DATE JAN 21 1985

CONDITIONS OF APPROVAL, IF ANY

NEL 1968

## 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.

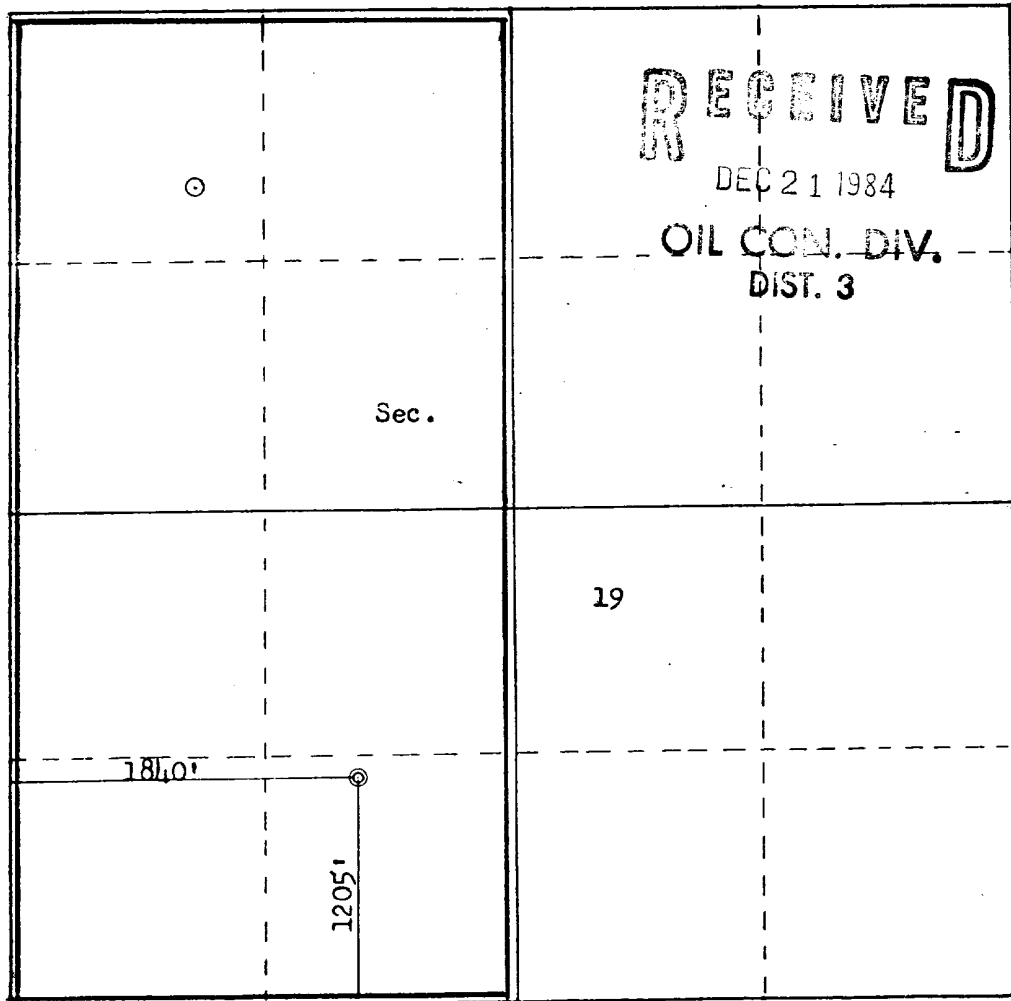
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>GALLEGOS CANYON UNIT</b>		Well No. <b>107E</b>
Unit Letter <b>N</b>	Section <b>19</b>	Township <b>29N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1205</b> feet from the <b>South</b> line and <b>1840</b> feet from the <b>West</b> line					
Ground Level Elev: <b>5307</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>320 1/2 .8 Acres</b>		

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 Unitized

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.

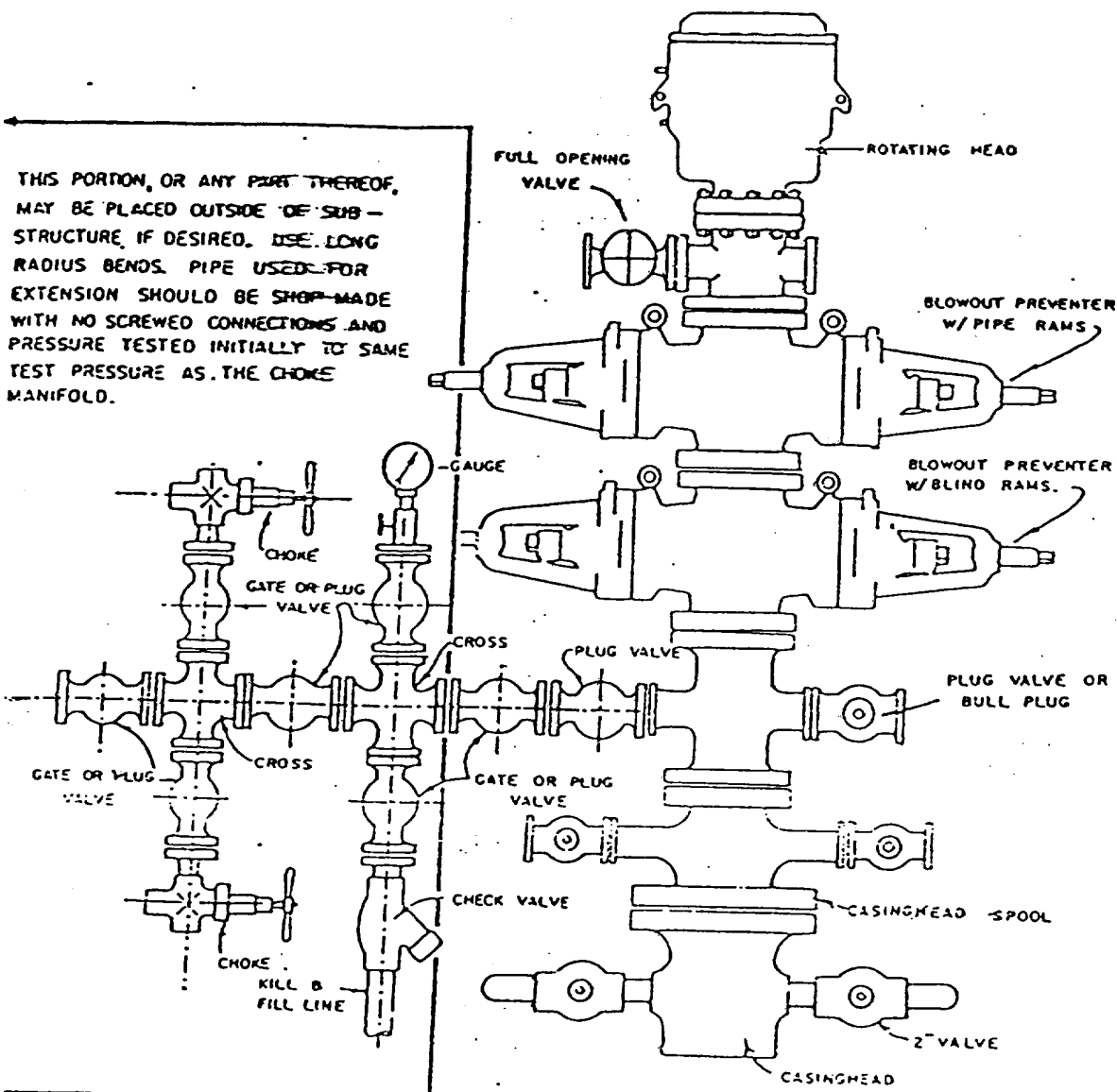
Original Signed By  
**B. D. Shaw**

Name	<b>B. D. Shaw</b>
Position	<b>Administrative Supervisor</b>
Company	<b>Amoco Production Company</b>
Date	<b>12/15/84</b>

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	<b>November 27, 1984</b>
Registered Professional Engineer and Land Surveyor	<b>Fred B. Kerr Jr.</b>
Certificate No.	<b>3950</b>

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

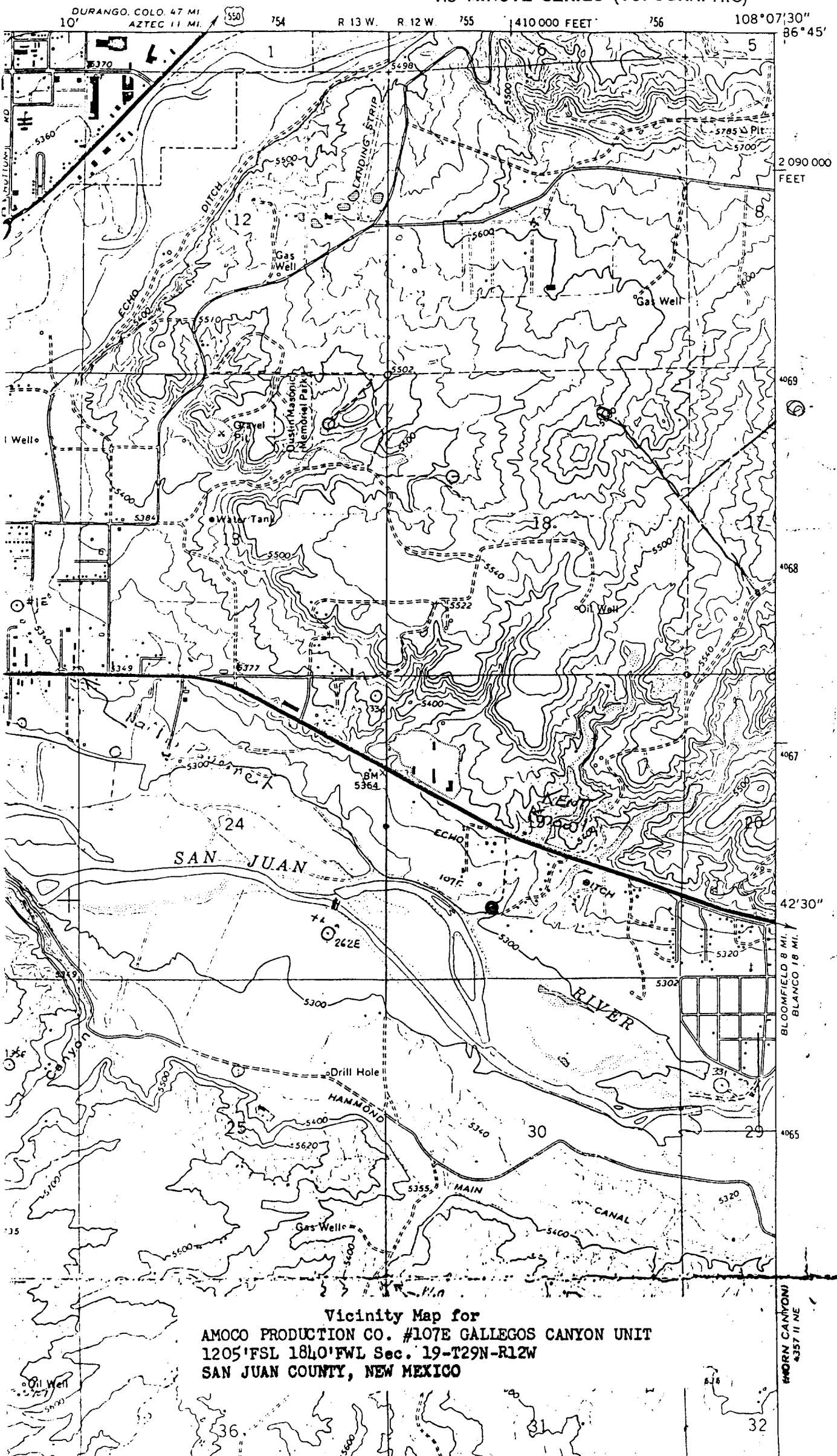
OCTOBER 16, 1955

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit run, pipe rams will be closed once each 24 hours.

7-13

FARMINGTON SOUTH QUADRANGLE  
NEW MEXICO-SAN JUAN CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

4357 1 SE  
(FLORA VISTA)





STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
OIL CONSERVATION DIVISION

January 21, 1985

TONY ANAYA  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Amoco Production Co.  
Petroleum Center Building  
501 Airport Drive  
Farmington, New Mexico 87401

Attention: W. J. Holcomb

Administrative Order NSL-1968

Gentlemen:

Reference is made to your application for a non-standard location for your Gallegos Canyon Unit Well No. 107E to be located 1205 feet from the South line and 1840 feet from the West line of Section 19, Township 29 North, Range 12 West, NMPM, Basin-Dakota Pool, San Juan County, New Mexico. The W/2 of said Section 19 is to be dedicated to the well.

By authority granted me under the provisions of Rule 104 F(I), the above-described unorthodox location is hereby approved.

Sincerely,

R. L. STAMETS, DIRECTOR

RLS/DC/dr

cc: ✓ Oil Conservation Division - Aztec  
Oil & Gas Engineering Committee - Hobbs

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JAN 24 1985  
OIL CON. DIV.  
DIST. 3

OK E&E  
No Card  
1-29-85



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE 1-16-85

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL X \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 12-21-84  
for the Amoco Gallegos Canyon Unit #107E-N-19-290-12W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approved  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

E. Beall

December 18, 1984

Mr. Gilbert Quintana  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87501

File: DDL-1288-400.1

Application for Unorthodox Location  
Gallegos Canyon Unit No. 107E  
Basin Dakota Field  
San Juan County, New Mexico

Amoco Production Company hereby requests approval of an unorthodox well location for the Gallegos Canyon Unit No. 107E. The proposed location is 1205' FSL x 1840' FWL of Section 19, T29N, R12W, San Juan County, New Mexico.

This well was staked in the unorthodox location indicated above to avoid an orchard in the orthodox window.

There are no offset lease holders of Basin Dakota wells as indicated on the attached nine-section plat.

Sincerely,

~~Original Signed~~  
W. J. Holcomb  
by DDL

KRJ/ct

Attachments

✓cc: Mr. Ernie Bush  
New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, NM 87410

AM18

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DEC 21 1984

OIL CON. DIV.  
DIST. 3

1941

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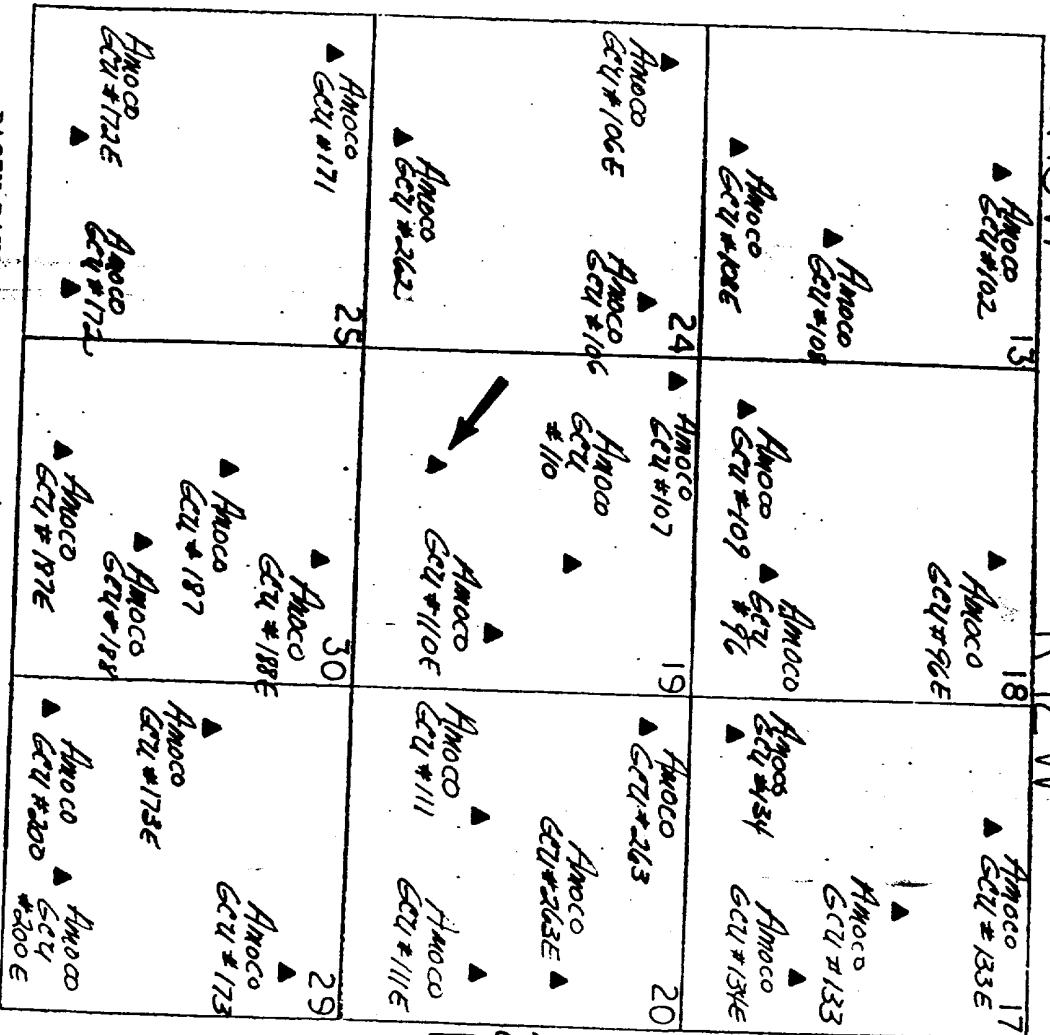
1941



G. C. U. #107E

R13W

R12W



T  
29  
N

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2000  
SANTA FE, NEW MEXICO 87501Form 6-102  
Revised 10-1-78

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

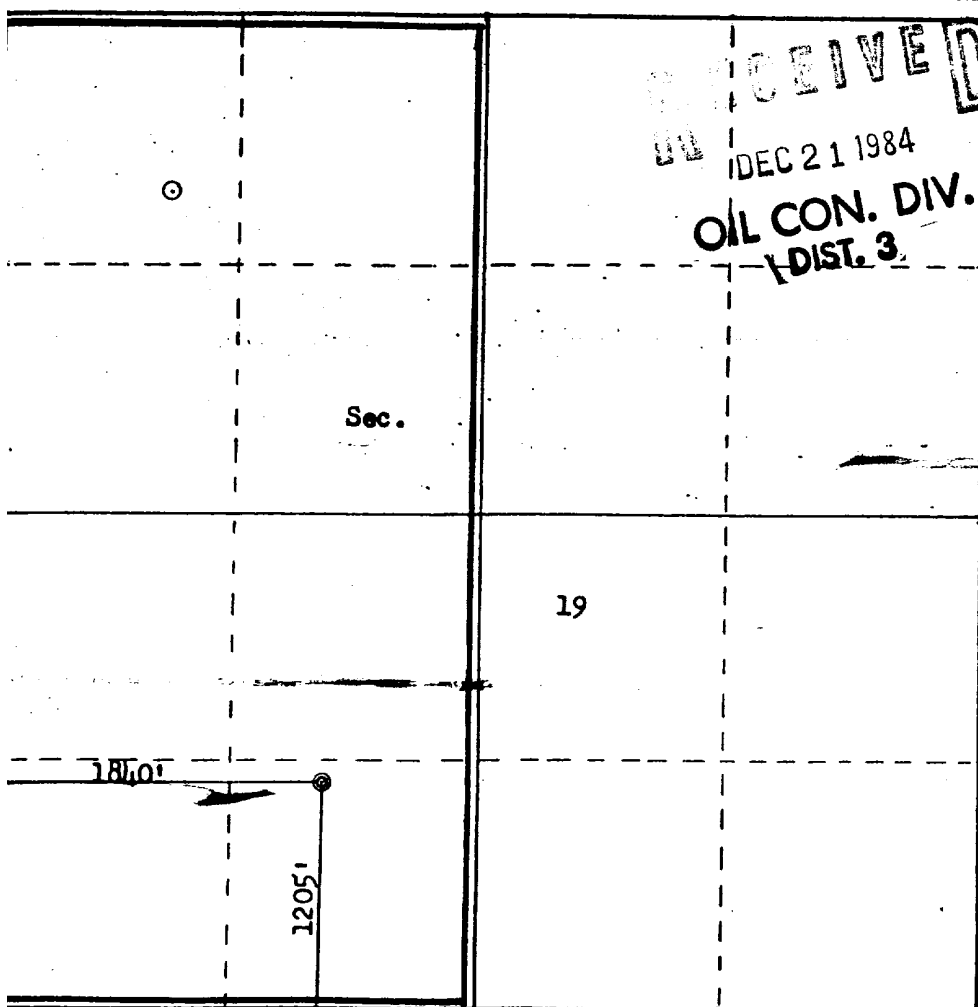
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Unit Letter <b>N</b>	Section <b>19</b>	Township <b>29N</b>	Range <b>12W</b>	County <b>San Juan</b>
Actual Footage Location of Wells <b>1205</b> feet from the <b>South</b> line and <b>1840</b> feet from the <b>West</b> line				
Ground Level Elev. <b>5307</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin Dakota</b>	Dedicated Acreage <b>320 3/4</b> Acres	

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## CERTIFICATION

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

*B.D. Shaw*

Name

B.D. Shaw

Position

Administrative Supervisor

Company

Amoco Production Company

Date

12/15/84

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

November 27, 1984

Registered Professional Engineer  
and Land Surveyor*Fred B. Kerr Jr.*  
Fred B. Kerr Jr.

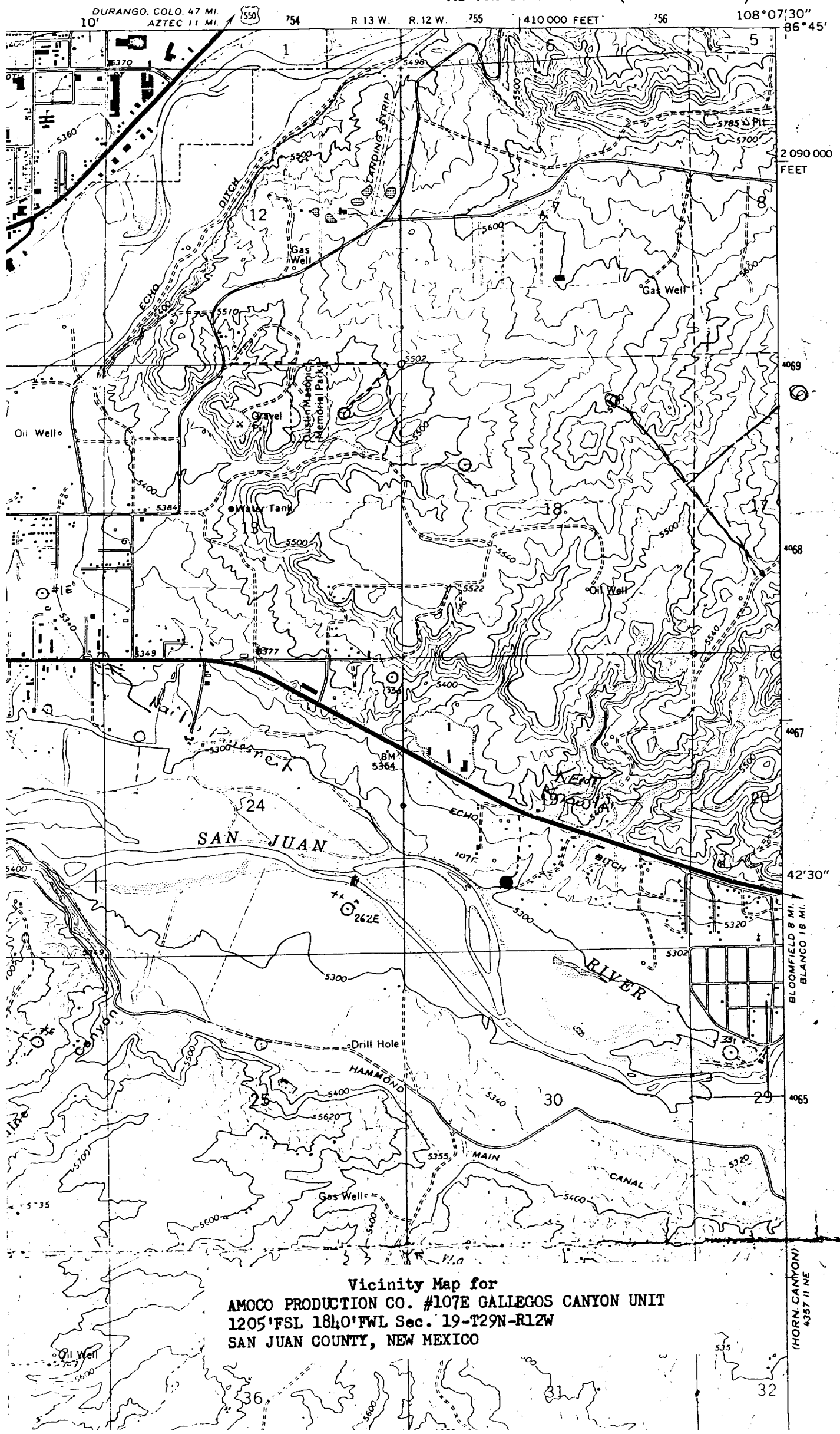
Certificate No. 4, KERR, JR.

3950

Scale: 1"=1000'

FARMINGTON SOUTH QUADRANGLE  
NEW MEXICO - SAN JUAN CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

4357 1 SE  
(FLORA VISTA)



Vicinity Map for  
AMOCO PRODUCTION CO. #107E GALLEGOS CANYON UNIT  
1205' FSL 1840' FWL Sec. 19-T29N-R12W  
SAN JUAN COUNTY, NEW MEXICO

4357 1 NE  
(HORN CANYON)