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NEW MEXICO OIL CONSERVATION COMMISSION

30-046-23559  
Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name  
Jaquez Gas Com "A"

9. Well No.  
3E

10. Field and Pool, or Wildcat  
Basin Dakota

12. County  
San Juan

19. Proposed Depth  
6800'

19A. Formation  
Dakota

20. Rotary or C.T.  
Rotary

21. Elevations (Show whether DF, RT, etc.)  
5647' GL

21A. Kind & Status Plug. Bond  
Statewide

21B. Drilling Contractor  
Unknown

22. Approx. Date Work will start  
6/29/79

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  
UNIT LETTER E LOCATED 1705 FEET FROM THE North LINE  
AND 790 FEET FROM THE West LINE OF SEC. 5 TWP. 29N RGE. 9W NMPM

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#	300'	250 sx	Surface
7-7/8"	4-1/2"	10.5#	6800'	2110 sx	Surface

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 blow-out prevention will be employed; see attached drawing for blowout preventer design.

Upon completion the well location will be cleaned and the reserve pit filled and leveled. Gas produced from this well is dedicated to El Paso Natural Gas Company.

APPROVED AND  
FOR SO. DIST. #3  
DRILLING COMMISSION,  
EXPIRES 8-27-79



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.

Signed Original Signed By B. F. LAMMELL Title District Engineer Date 5/25/79

(This space for State Use)  
APPROVED BY Frank S. Clancy TITLE DEPUTY OIL & GAS DIRECTOR, DIST. #3 DATE MAY 29 1979

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-78

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

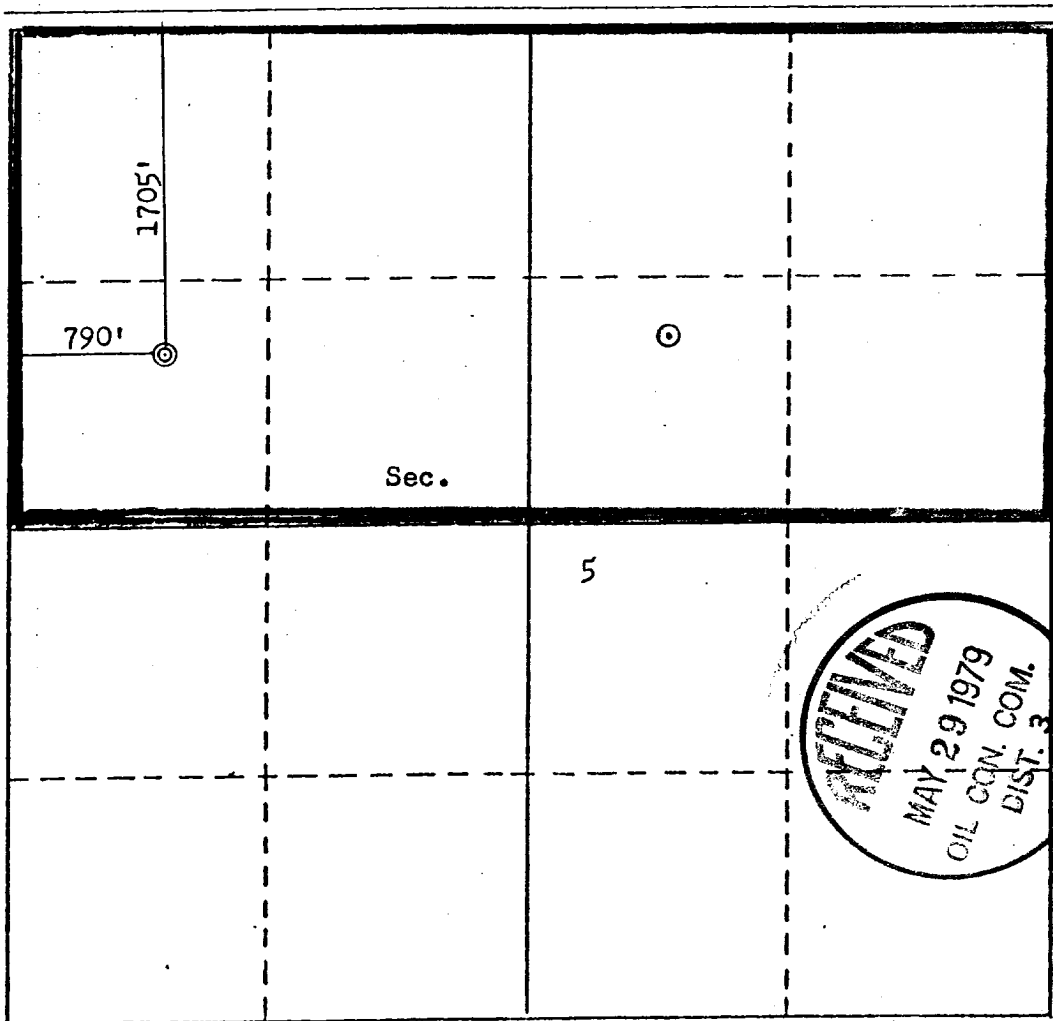
Operator <b>AMOCO PRODUCTION COMPANY</b>		Lease <b>JAQUEZ GAS COM "A"</b>		Well No. <b>3E</b>	
Unit Letter <b>E</b>	Section <b>5</b>	Township <b>29N</b>	Range <b>9W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1705</b> feet from the <b>North</b> line and <b>790</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5647</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>320</b> 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 \_\_\_\_\_

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 Division.



CERTIFICATION

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

*B. E. Fackell*

Name  
**B. E. FACKELL**

Position  
**DISTRICT ENGINEER**

Company  
**AMOCO PRODUCTION COMPANY**

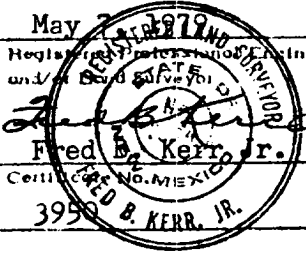
Date  
**MAY 10, 1979**

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.

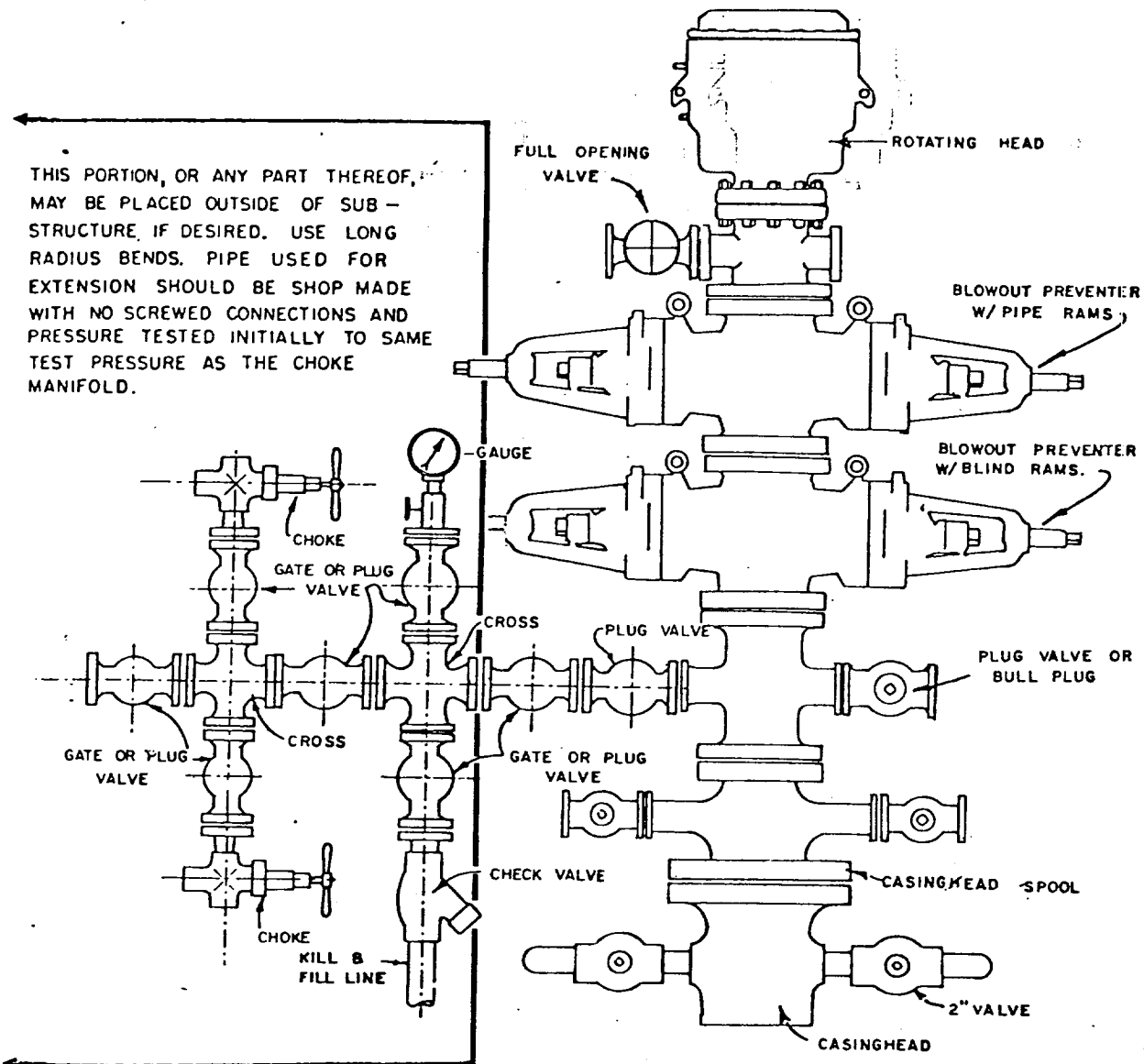
Date Surveyed  
**May 7, 1979**

Registered Professional Engineer and State Surveyor  
*Fred B. Kerr, Jr.*  
**Fred B. Kerr, Jr.**

Certification No. MEXICO  
**3950**



THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE, IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKE MANIFOLD.



BLOWOUT PREVENTER HOOKUP

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

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 Jaquez Gas Com "A"	
9. Well No. 3E	
10. Field and Pool, or Wildcat Basin Dakota	
12. County San Juan	

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL  GAS WELL  OTHER-

2. Name of Operator  
AMOCO PRODUCTION COMPANY

3. Address of Operator  
501 Airport Drive Farmington, NM 87401

4. Location of Well  
UNIT LETTER E 1705 FEET FROM THE North LINE AND 790 FEET FROM  
THE West LINE, SECTION 5 TOWNSHIP 29N RANGE 9W NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JQB <input type="checkbox"/>	OTHER <u>Spud &amp; Set Casing</u> <input checked="" type="checkbox"/>

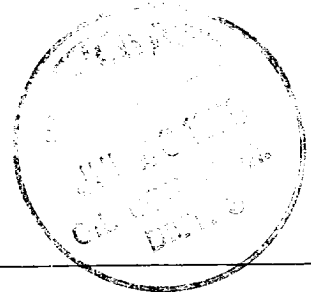
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Spudded 12-1/4" hole on 6/23/79. Drilled to 275'. Set 9-5/8" casing at 275' and cemented with 350 sx Class "B", 2% CaCl<sub>2</sub> cement. Circulated out 34 sx good cement.

Drilled to 8-3/4" hole to 3546'. Continued drilling with 7-7/8" hole to TD. Set 4-1/2", 10.5# casing at 6841' and cemented in 2 stages: Stage 1 - Cemented with 380 sx Class "B" 50:50 Poz, 6% gel, 2# medium tuf plug per sx and .8% fluid loss additive. Tailed in with 100 sx Class "B" Neat cement and circulated out 2 sx good cement.

Stage 2: Cemented with 800 sx Howco lite 65-35 Poz, 6% gel, 2# medium tuf plug per sx and .8% fluid loss additive. Tailed in with 100 sx Class "B" Neat cement and circulated out 20 sx good cement.

Released rig on 7/13/79.



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

SIGNED Original Signed By E. E. SVOBODA TITLE Dist. Adm. Supervisor DATE 7/24/79

APPROVED BY Original Signed by A. R. Kendrick TITLE SUPERVISOR DISTRICT # 3 DATE JUL 26 1979

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- Infill	7. Unit Agreement Name
2. Name of Operator Amoco Production Company	8. Farm or Lease Name Archuleta Gas Com "A"
3. Address of Operator 501 Airport Drive Farmington, NM 87401	9. Well No. 3E
4. Location of Well UNIT LETTER I 1800 FEET FROM THE South LINE AND 1120 FEET FROM THE East LINE, SECTION 5 TOWNSHIP 29N RANGE 9W NMPM.	10. Field and Pool, or Wildcat Basin Dakota
15. Elevation (Show whether DF, RT, GR, etc.) 5581' GL	12. County San Juan

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

OTHER \_\_\_\_\_

PLUG AND ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOB

OTHER Correction of Completion

ALTERING CASING

PLUG AND ABANDONMENT

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Please be advised that the first perforated interval should have read from 6728' to 6752' instead of 6728' to 6744' as earlier reported.



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

SIGNED E. E. SVOBODA TITLE Dist. Adm. Supvr. DATE 12-12-79

APPROVED BY Original Signed by A. R. Kendrick TITLE SUPERVISOR DISTRICT # 3 DATE DEC 13 1979

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5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Amoco Production Company	8. Farm or Lease Name Jaquez Gas Com "A"
3. Address of Operator 501 Airport Drive Farmington, NM 87401	9. Well No. 3E
4. Location of Well UNIT LETTER <u>E</u> <u>1705</u> FEET FROM THE <u>North</u> LINE AND <u>790</u> FEET FROM THE <u>West</u> LINE, SECTION <u>5</u> TOWNSHIP <u>29N</u> RANGE <u>9W</u> NMPM.	10. Field and Pool, or Wildcat Basin Dakota
15. Elevation (Show whether DF, RT, GR, etc.) 5647' GL	12. County San Juan

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

OTHER

PLUG AND ABANDON

CHANGE PLANS

REMEDIAL WORK

COMMENCE DRILLING OPNS.

EASING TEST AND CEMENT JOB

OTHER Completion Procedure

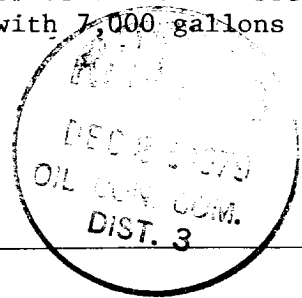
ALTERING CASING

PLUG AND ABANDONMENT

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Completion operations commenced on 8-20-79. Total depth is 6841' and the plugback depth is 6690'. Pressure tested casing to 3000#, and cleaned out hole with 2% KCL water, held okay. Ran perforating gun and perforated at 6810' with 4 SPF, total of 4 holes. Circulated hole clean again with 2% KCL water and pressure tested casing to 4400#, held okay. Perforated well from 6758' to 6780' with 2 SPF, total of 44 holes. Tested well to flow and would not, so swabbed well and released rig on 8-28-79.

Completion operations commenced again on 11-14-79. Pressure tested casing to 3000# and cleaned out hole with 2% KCL water, held okay. Perforated from 6758' to 6764' with 2 SPF, total of 12 holes. Cleaned out well and swabbed on 11-15-79. Pressure tested bridge plug at 4400#, held okay. Perforated again from 6627' to 6654' with 2 SPF, total of 54 holes. Sand water frac same interval with 19,992 gallons of Western's Polaris Gel water and 30,500# of sand. Swabbed well on 11-28-79. Sand water fraced again on 12-5-79 from 6758' to 6780' with 7,000 gallons of frac fluid and 7,000# of sand. Swabbed well and released rig on 12-10-79.



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

Original Signed by  
E. E. SVOSODA

SIGNED \_\_\_\_\_ TITLE Dist. Adm. Supvr. DATE 12-20-79

Original Signed by E. E. Ferrelle

APPROVED BY \_\_\_\_\_ TITLE SUPERVISOR DISTRICT # 3 DATE DEC 21 1979

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