

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT - " for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. <b>SF-079010</b>
2. Name of Operator <b>Amoco Production Company</b>		6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>P.O. Box 800, Denver, Colorado 80201</b>		7. If Unit or CA, Agreement Designation <b>Northeast Blanco</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1780 FNL 790 FWL Sec. 24 T 31N R 7W</b>		8. Well Name and No. <b>NEBU 307</b>
		9. API Well No.
		10. Field and Pool, or Exploratory Area <b>Basin Dakota/S. Los Pinos Fruitland</b>
		11. County or Parish, State <b>San Juan New Mexico</b>

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input checked="" type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Well Name Change</u> <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Amoco Production Company requests that NEBU #6 well be renamed NEBU #307.

If you have any questions in regards to this matter, you can reach Lori Arnold at the number listed above.

NEBU #307 is North East Blanco Unit #307

CONFIDENTIAL

RECEIVED  
JUL 28 1994  
OIL CON. DIV.  
DIST. 3

RECEIVED  
BLM  
93 AUG 23 PM 1:43  
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct

Signed <u>Lori Arnold</u>	Title <u>Business Analyst</u>	Date <u>08-18-1993</u>
---------------------------	-------------------------------	------------------------

(This space for Federal or State office use)

Approved by _____	Title _____	Date <u>AUG 25 1993</u>
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Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\* See Instructions on Reverse Side

OPERATOR

F  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No.  SF-079010	
2. Name of Operator Amoco Production Company		6. If Indian, Allottee or Tribe Name	
Attention: Lori Arnold		7. If Unit or CA, Agreement Designation	
3. Address and Telephone No. P.O. Box 800, Denver, Colorado 80201		8. Well Name and No. NEBU 6	
(303) 830-5651		9. API Well No.	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1780 FNL 790 FWL Sec. 24 T 31N R 7W		10. Field and Pool, or Exploratory Area Basin Dakota	
		11. County or Parish, State San Juan New Mexico	

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Revision to the APD	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Amoco Production Company requests that the Pictured Cliffs formation be deleted from the Application for Permit to Drill on the subject well.

If you have any questions in regards to this matter you can contact Lori Arnold at the number listed above.

RECEIVED  
BLM  
JUL 21 AM 11:48  
OIL CON. DIV.  
DIST. 3  
JUL 28 1994  
070 FARMINGTON, N.M.

14. I hereby certify that the foregoing is true and correct

Signed

*Lori Arnold*

Title

Business Analyst

Date

07-20-1993

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

APPROVED  
AS AMENDED

JUL 23 1993

DISTRICT MANAGER

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\* See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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**CONFIDENTIAL**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Amoco Production Company

Attention:  
Lori Arnold

3. Address and Telephone No.  
P.O. Box 800, Denver, Colorado 80201

(303) 830-5651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1780 FNL 790 FWL

Sec. 24 T 31N R 7W

5. Lease Designation and Serial No.

SF-079010

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

NEBU 6

9. API Well No.

10. Field and Pool, or Exploratory Area

Basin Dakota/S. Los Pinos Fruitland

11. County or Parish, State

Sand PC

San Juan

New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>APD Revision</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Amoco Production Company requests that the Pictured Cliffs formation be added to the Application for Permit to Drill on the subject well. The Plan of Development and the Designation of Agent have been amended by Blackwood & Nichols to included the Pictured Cliffs formation and was filed with Janice Easley/BLM in your office.

If you have any questions in regards to this matter you can contact Lori Arnold at the number listed above.

**RECEIVED**  
JUL 28 1994  
**CONFIDENTIAL**  
**OIL CON. DIV.**  
**DIST. 3**

**RECEIVED**  
BLM  
93 AUG -4 AM 10:56  
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct

Signed

*Lori Arnold*

Title

Business Analyst

Date

08-02-1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**APPROVED**

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\* See Instructions on Reverse Side

OPERATION

**DISTRICT MANAGER**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

Lori Arnold

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-5651

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1780 FNL 790 FWL Sec. 24 T 31N R 7W

5. Lease Designation and Serial No.

SF-079010

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

NEBU 6

9. API Well No.

10. Field and Pool, or Exploratory Area

Basin Dakota/So. Los Pinos Fruitland

11. County or Parish, State

San Juan New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Incomplete APD

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Amoco Production Company requests your review of the attached revisions to complete the application for permit to drill the subject well.

If you have any questions or need more information please call Lori Arnold at the number listed above.

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RECEIVED  
JUL 28 1994  
OIL CON. DIV.  
DIST. 3

RECEIVED  
BLM  
93 JUN 21 AM 11:16  
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct

Signed

Lori Arnold

Title

Business Analyst

Date

06-18-1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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\* See Instructions on Reverse Side

OPERATOR



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington District Office  
1235 La Plata Highway  
Farmington, New Mexico 87401



IN REPLY REFER TO:

NMSF-079010 (WC)  
3162.3-1 (070)

JUN 11 1993]

Mr. John R. Pantaleo  
Amoco Production Company  
P. O. Box 800  
Denver, CO 80201-0800

Dear Mr. Pantaleo:

Reference is made to your Application for Permit to Drill (APD) for well No. 6 Northeast Blanco Unit, 1780' FNL & 790' FWL (SW $\frac{1}{4}$ NW $\frac{1}{4}$ ), sec. 24, T. 31 N., R. 7 W., San Juan County, New Mexico, lease NMSF-079010. The APD was received on June 7, 1993 and the following information is required in order to complete the processing:

1. Information on the content of the geologic formations. See; Onshore Oil & Gas Order No. 1, Part III.G.4.a.(2)
2. Information in regards to potential downhole hazards. See; Onshore Oil & Gas Order No. 1, Part III.G.4.a.(7)
3. Authorization to conduct operations in the Northeast Blanco Unit. If you have any questions, you may contact the Chief, of the Reservoir Management Branch, in this office.
4. Same ground level elevation on 3160-3 form and on list of estimated formation tops. Formation top estimates need to be revised to reflect appropriate GL and KB elevations.

The posting date for the start of the 30-day waiting period is April 21, 1993. Your APD is being processed; final action pending receipt of further information as noted above. If you have any questions, please contact Mr. Errol Becher of this office at (505) 599-8914.

Sincerely,

Ken Townsend  
Chief, Branch of Drilling  
and Production

Note: A retained, but incomplete APD must be brought to an acceptable level of completion within 45 days of the date of this notice or it will be returned unapproved.

RECEIVED  
JUL 28 1994

OIL CON. DIV.  
DIST. 3



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA  
1235 LAPLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401



IN REPLY REFER TO:  
3162.3-1 (019)

Amoco Production Company  
#6 NEBU  
Santa Fe 079010  
SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, T. 31 N., R. 7 W.  
San Juan County, New Mexico

Above Data Required on Well Sign

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JUL 28 1994

## GENERAL REQUIREMENTS FOR

### OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES

OIL COM. DIV.  
BUREAU OF LAND MANAGEMENT

In addition to those requirements set forth in the laws, regulations and Onshore Orders, these requirements apply generally to all oil and gas operations on Federal and Indian leases. They apply specifically to the above-described well. Special requirements that apply and are effective for this well, if any, are check-marked in Section VII of these General Requirements. The failure of the operator to comply with these requirements and the filing of required reports will result in strict enforcement of 43 CFR 3163.1 or 3163.2.

#### I. GENERAL

A. Full compliance with all applicable laws, regulations, and Onshore Orders, with the approved Permit to Drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors.

B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or allotted, (see 43 CFR 3162.6(b)).

C. A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.

D. For Wildcat wells only, a drilling operations progress report is to be submitted weekly from spud date until the well is completed and the Well Completion Report (Form 3160-4) is filed. The report should be on 8 1/2 x 11 inch paper, and each page should identify the well by; operator's name, well number, location and lease number.

E. As soon as practical, notice is required of all blowouts, fires and accidents involving life-threatening injuries or loss of life. (See NTL-3A).

2. Well Completion Report (Form 3160-4) will be submitted within 30 days after well has been completed.

3. Two copies of all electrical and open-hole logs run (two copies of the mud log are required if no open hole electric logs are run).

4. A cement evaluation log if cement is not circulated to surface.

### III. DRILLER'S LOG

A. The following shall be entered in the daily driller's log:

1. Blowout preventer pressure tests, including test pressures and results.

2. Blowout preventer tests for proper functioning.

3. Blowout prevention drills conducted.

4. Casing run, including size, grade, weight, and depth set.

5. How pipe was cemented, including amount of cement, type, whether cement circulated to surface, location of cementing tools, etc..

6. Waiting on cement time for each casing string.

7. Casing pressure tests after cementing, including test pressure and results.

8. Estimated amounts of oil and gas recovered and/or produced during drillstem tests.

### IV. GAS FLARING

A. Gas produced from this well may not be vented or flared beyond an initial, authorized test period of \_\_\_\_\*\_\_\_\_ days or 50 MMcf following its (completion) (recompletion), whichever first occurs, without the prior, written approval of the authorized officer. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted, and you shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

\* 30 days, unless a longer test period specifically is approved by the authorized officer. The 30-day period begins when the casing is first perforated for cased holes, and when Total Depth (TD) is reached for open hole completion.

UNITED STATES  
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

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 type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				1. LEASE DESIGNATION AND SERIAL NO. SF-079010	
2. NAME OF OPERATOR Amoco Production Company Attention: Lori Arnold				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201 (303) 830-5651				7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1780 FNL 790 FWL At proposed prod. zone				8. FARM OR LEASE NAME, WELL NO. NEBU	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 60.55 Miles from Aztec				9. API WELL NO. 6	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		16. NO. OF ACRES IN LEASE 2560.00		10. FIELD AND POOL OR WILDCAT Basin Dakota/SO. Los Pinos Fruitland Sand PC	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH 8500'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 24 Township 31N Range 7W	
21. ELEVATIONS (Show whether DF, RT, GR., etc.) 6409 GR		20. ROTARY OR CABLE TOOLS Rotary		12. COUNTY OR PARISH San Juan	
23. PROPOSED CASING AND CEMENTING PROGRAM		17. NO. OF ACRES ASSIGNED TO THIS WELL 320 W/2		13. STATE New Mexico	
22. APPROX. DATE WORK WILL START* ASAP					
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO CONDITIONS ATTACHED					
SIZE OF HOLE		GRADE, SIZE OF CASING		QUANTITY OF CEMENT	
12 1/4"		9 5/8" K-55		282cf CI B W/2% CaCl <sub>2</sub> (Cement to surface)	
8 3/4"		7" K-55		1040cf CI B (Cement to surface)	
6 1/4"		4 1/2" N-80		803cf CI G	

Notice of Staking was submitted on 4/20/93. under the temporary name of Reference #7

Lease Description: T31N-R7W  
Sec 23, 24, 25, & 26: All

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JUL 28 1994  
OIL CON. DIV.  
DIST. 3

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BLM  
93 JUN -7 PM 1:34  
070 FARMINGTON, NM

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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. SIGNED Jori Arnold TITLE Business Analyst DATE 06-04-1993

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

APPROVED  
AS AMENDED

OPERATOR

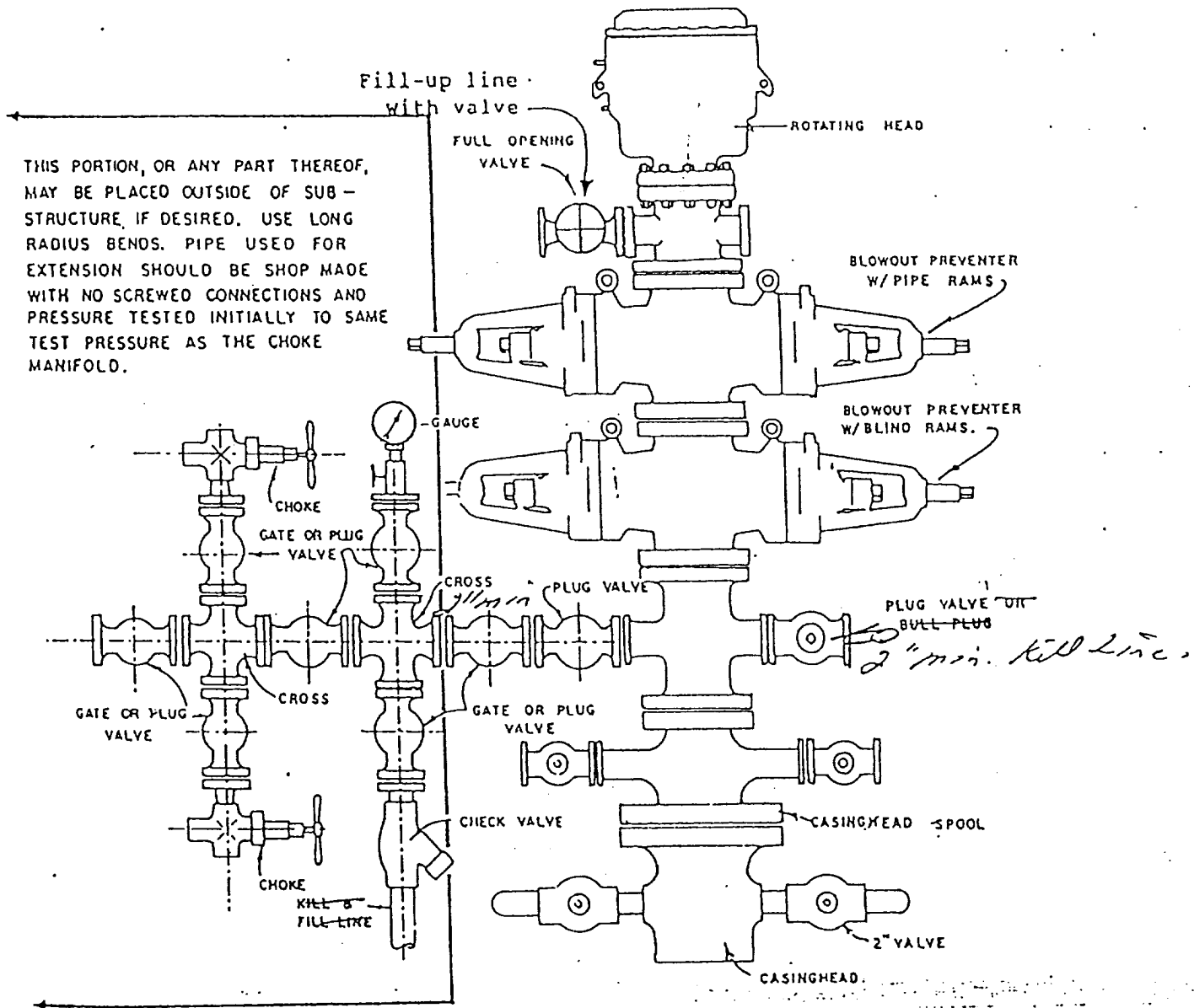
\*See Instructions On Reverse Side

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JUL 23 1993  
DISTRICT MANAGER



1. Upper kelly cock valve, with handle will be utilized.
2. There will be safety valves and subs to fit all drill strings in use.



BLOWOUT PREVENTER HOOKUP

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

RECEIVED  
BLM

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

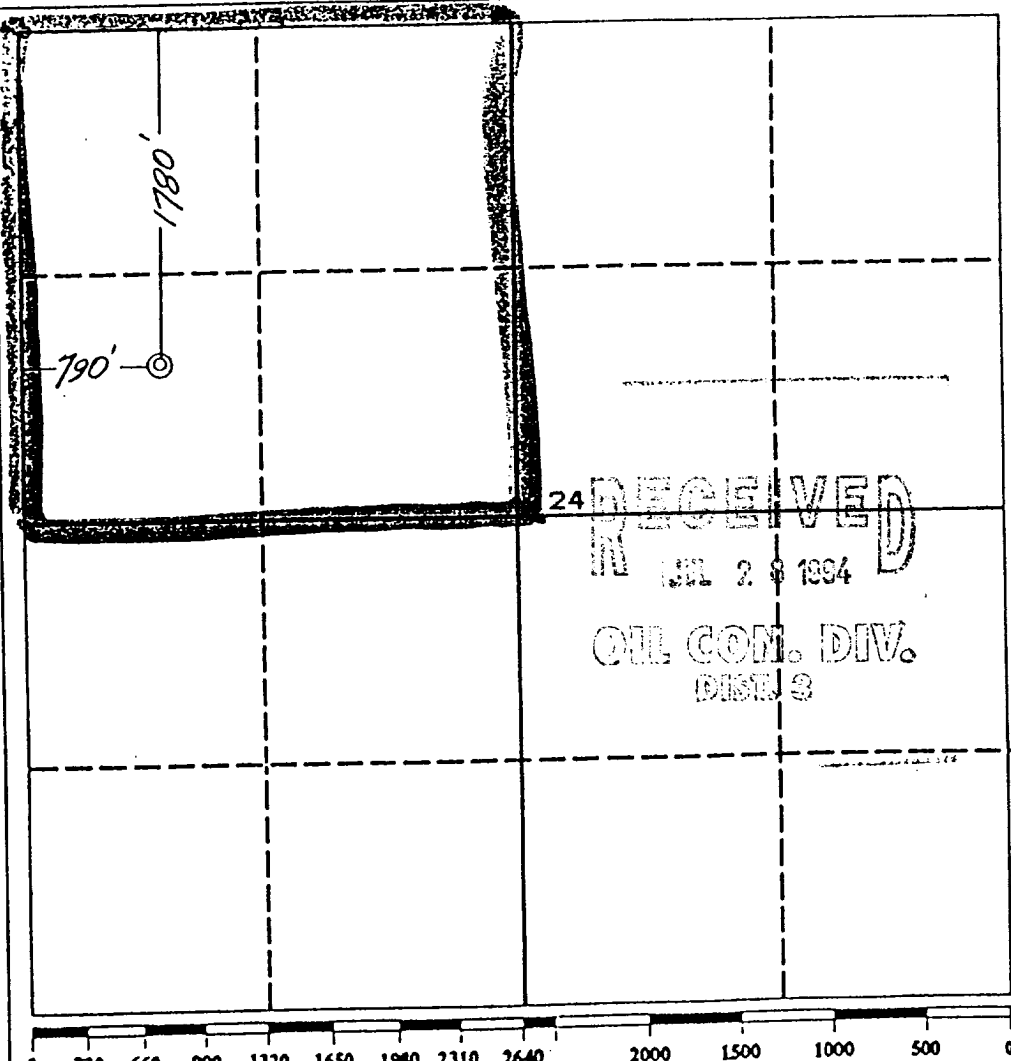
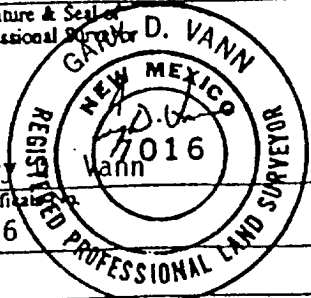
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

93 JUN -7 PM 1:34

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section 070 FARMINGTON, NM

Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>NEBU</b>		Well No. <b>6</b>
Unit Letter <b>E</b>	Section <b>24</b>	Township <b>31 NORTH</b>	Range <b>7 WEST</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: <b>1780</b> feet from the <b>NORTH</b> line and <b>790</b> feet from the <b>WEST</b> line					
Ground level Elev. <b>6409</b>	Producing Formation <b>So Los Pinos Fruitland Sand PC/ same as Prod.</b>			Dedicated Acreage: <b>160 NW/4 Acres</b>	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. Formation</p> <p>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).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communization, unitization, force-pooling, etc.? <input type="checkbox"/> Yes <input type="checkbox"/> 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 communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>					
				<b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Lori Arnold</i> Signature <b>Lori Arnold</b> Printed Name <b>Business Analyst</b> Position <b>Amoco Production Co.</b> Company <b>6/4/93</b> Date	
				<b>SURVEYOR CERTIFICATION</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>March 26, 1993</b> Signature & Seal of Professional Surveyor  Gary Certification No. <b>7016</b>	

Approved

BLM CONDITIONS OF APPROVAL

Operator Amoco Production Company Well Name 6 NEBU  
Legal Location 1780' FNL/ 790' FWL Sec. 24 T. 31 N. R. 7 W.  
Lease Number SF-079010 Field Inspection Date 04/07/93

The following stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and the operator a contradictory environmental stipulation. The failure of the operator to comply with these requirements may result in the assessment of liquidated damages or penalties pursuant to 43 CFR 3163.3 or 3163.4. A copy of these stipulations shall be present on location during construction, drilling and reclamation activity.

An agreement between operator and fee landowner will take precedence over BLM surface stipulations unless 1) the BLM determines that the operator's actions will affect adjacent Federal or Indian surface (43 CFR Part 3160), or 2) the operator does not maintain the well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance (43 CFR Part 3162.7-4), or 3) no such agreement exists (43 CFR Part 3160), or 4) in the event of well abandonment, minimal Federal restoration requirements will be required (43 CFR Part 3162.7-2).

- 
1. This location is a good candidate for a closed loop mud system.
  2. Keep disturbance within stakes east side of pad.
  3. No construction, drilling or completion activities shall be conducted between December 1 and March 31 because of deer/elk wintering habitat.
  4. The top 12 inches of soil material will be stripped and stockpiled in berm on south side of pad for future reclamation.
  5. Pits will be lined with an impervious material at least 8 mils thick.
  6. The northeast corner of the well pad will be rounded off to avoid excess fill.
  7. Diversion ditch will be constructed on south side of location above cut slope, draining to the east.
  8. The access road shall be rerouted around the west edge of the well pad during construction and drilling activities for safety reasons. Upon completion of drilling and cleanup, the road will be returned to west side of pad.
  9. The final cut slope shall not exceed a 3:1 ratio. The final fill slope shall not exceed a 3:1 ratio. To obtain this ratio, pits and slopes shall be backsloped into the pad upon completion of drilling and prior to setting production equipment. Construction slopes can be much steeper during drilling, but will be contoured to the above final slopes upon reclamation.
  10. Paint color green seed mix 1.  
Pure Live Seed (PLS) = Germination X Purity.

more than one tank. Berm walls will be compacted with appropriate equipment to assure proper construction.

G. All roads on public land must be maintained in good passable condition.

H. A proposed use of pesticide, herbicide or other possible hazardous chemical on BLM land shall be cleared for use prior to application.

## II. CULTURAL RESOURCES (ARCHAEOLOGY)

### A. DISCOVERY OF CULTURAL RESOURCES IN THE ABSENCE OF MONITORING:

If, in its operations, operator discovers any previously unidentified historic or prehistoric cultural resources, then work in the vicinity of the discovery will be suspended and the discovery promptly reported to the BLM District Manager. BLM will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the BLM will evaluate the significance of the discovery and consult with the State Historic Preservation Officer in accordance with 36 CFR Section 800.11. Minor recordation, stabilization, or data recovery may be performed by BLM or a permitted cultural resources consultant. If warranted, more extensive treatment by a permitted cultural resources consultant may be required of the operator prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any required treatment is completed. Failure to notify the BLM about a discovery may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act of 1979 (as amended).

- B. DISCOVERY OF CULTURAL RESOURCES DURING MONITORING: If monitoring confirms the presence of previously unidentified cultural resources, then work in the vicinity of the discovery will be suspended and the monitor will promptly report the discovery to the BLM District Manager. BLM will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the BLM will evaluate the significance of the discovery and consult with the State Historic Preservation Officer in accordance with 36 CFR Section 800.11. Minor recordation, stabilization, or data recovery may be performed by BLM or a permitted cultural resources consultant. If warranted, more extensive treatment by a permitted cultural resources consultant may be required of the operator prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any required treatment is completed.

C. DAMAGE TO SITES: If, in its operations, operator damages, or is found to have damaged any previously documented or undocumented historic or prehistoric cultural resources, excluding "discoveries" as noted above, the operator agrees at his/her expense to have a permitted cultural resources consultant prepare and have executed a BLM approved data recovery plan. Damage to cultural resources may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act of 1979 (as amended).

## III. RESEEDING AND ABANDONMENT

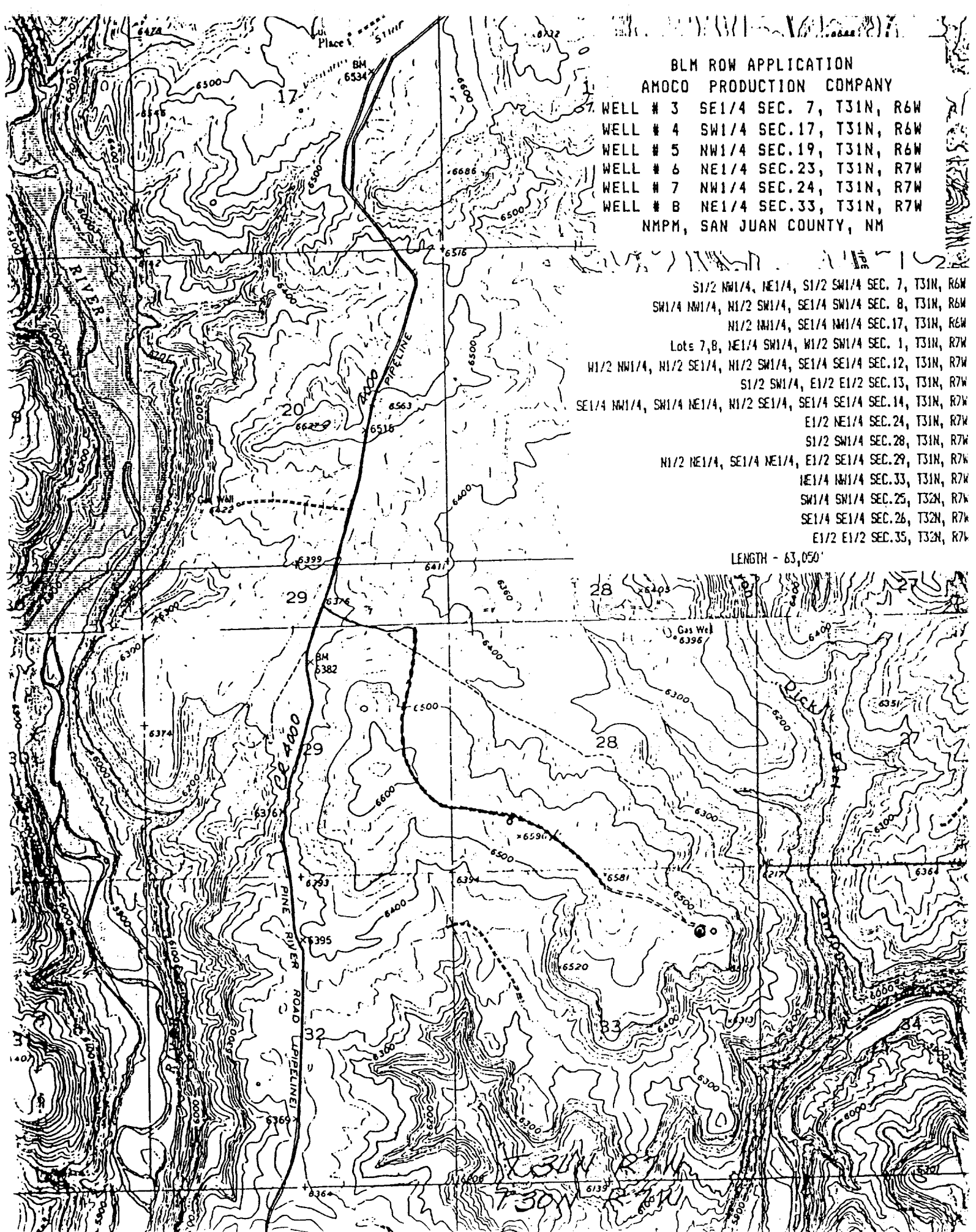
A. All surface areas disturbed during drilling activities and not in use for production activities, will be reseeded the first July-September period after reserve pit has been filled in and/or location abandoned. For producing locations, this should occur in the first 12 months after drilling is completed.

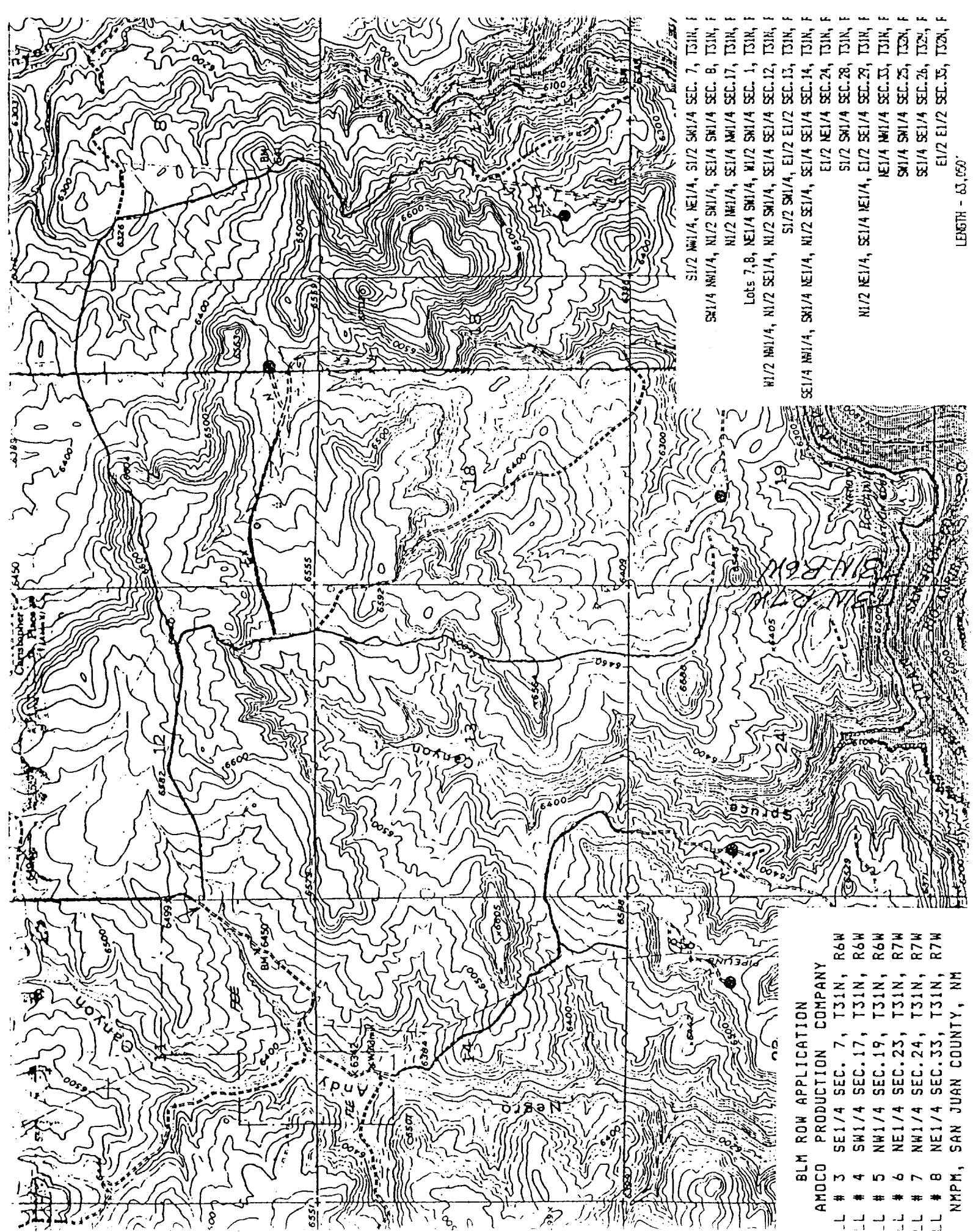
BLM ROW APPLICATION  
AMOCO PRODUCTION COMPANY

WELL # 3 SE1/4 SEC. 7, T31N, R6W  
WELL # 4 SW1/4 SEC.17, T31N, R6W  
WELL # 5 NW1/4 SEC.19, T31N, R6W  
WELL # 6 NE1/4 SEC.23, T31N, R7W  
WELL # 7 NW1/4 SEC.24, T31N, R7W  
WELL # 8 NE1/4 SEC.33, T31N, R7W  
NMPH, SAN JUAN COUNTY, NM

S1/2 NW1/4, NE1/4, S1/2 SW1/4 SEC. 7, T31N, R6W  
SW1/4 NW1/4, N1/2 SW1/4, SE1/4 SW1/4 SEC. 8, T31N, R6W  
N1/2 NW1/4, SE1/4 NW1/4 SEC.17, T31N, R6W  
Lots 7,8, NE1/4 SW1/4, W1/2 SW1/4 SEC. 1, T31N, R7W  
W1/2 NW1/4, N1/2 SE1/4, N1/2 SW1/4, SE1/4 SE1/4 SEC.12, T31N, R7W  
S1/2 SW1/4, E1/2 E1/2 SEC.13, T31N, R7W  
SE1/4 NW1/4, SW1/4 NE1/4, N1/2 SE1/4, SE1/4 SE1/4 SEC.14, T31N, R7W  
E1/2 NE1/4 SEC.24, T31N, R7W  
S1/2 SW1/4 SEC.28, T31N, R7W  
N1/2 NE1/4, SE1/4 NE1/4, E1/2 SE1/4 SEC.29, T31N, R7W  
NE1/4 NW1/4 SEC.33, T31N, R7W  
SW1/4 SW1/4 SEC.25, T32N, R7W  
SE1/4 SE1/4 SEC.26, T32N, R7W  
E1/2 E1/2 SEC.35, T32N, R7W

LENGTH - 63,050'





BLM ROW APPLICATION

AMOCO PRODUCTION COMPANY

- L # 3 SE1/4 SEC. 7, T31N, R6W
  - L # 4 SW1/4 SEC. 17, T31N, R6W
  - L # 5 NW1/4 SEC. 19, T31N, R6W
  - L # 6 NE1/4 SEC. 23, T31N, R7W
  - L # 7 NW1/4 SEC. 24, T31N, R7W
  - L # 8 NE1/4 SEC. 33, T31N, R7W
- NMPM, SAN JUAN COUNTY, NM

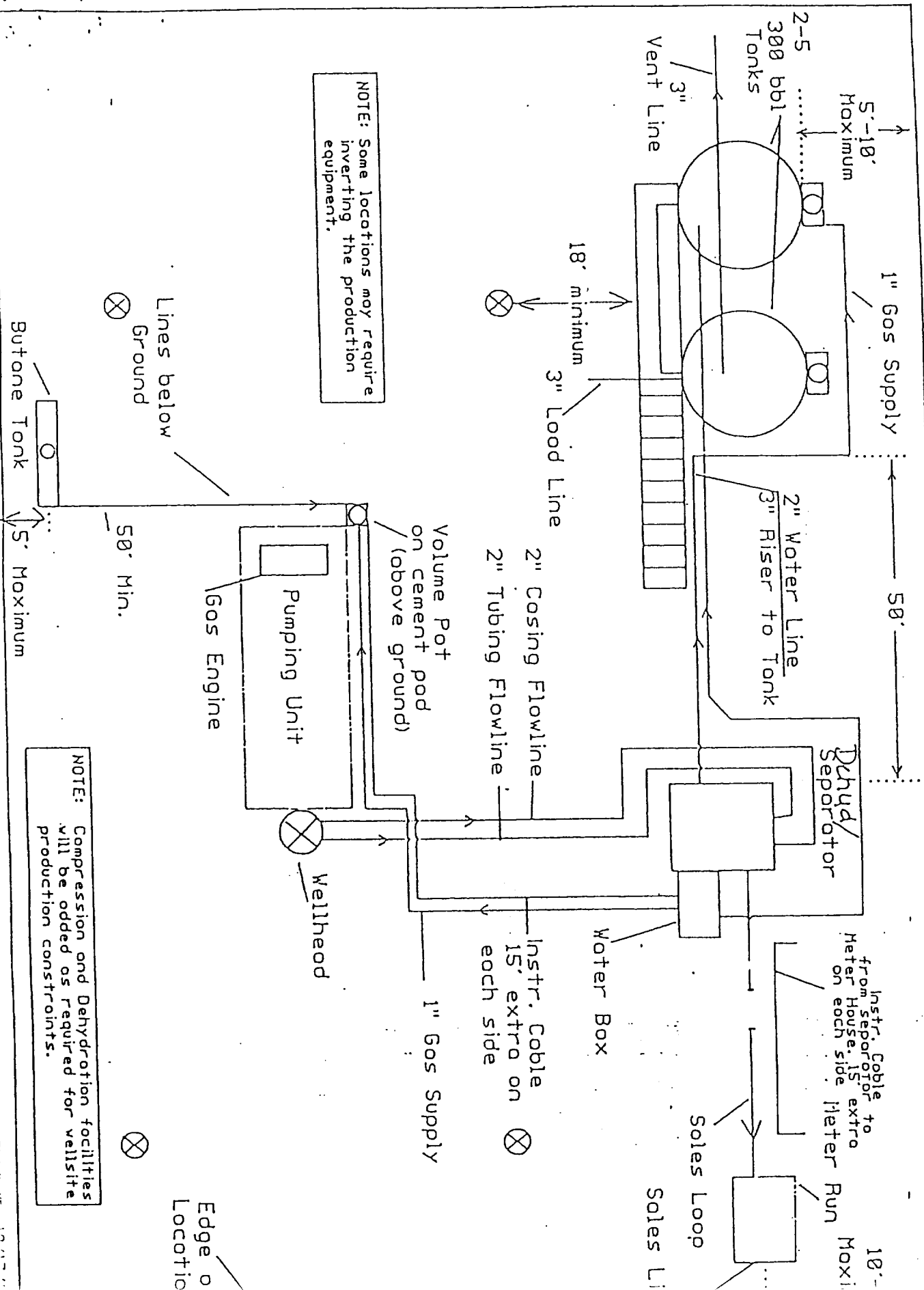
SE1/2 NW1/4, NE1/4, S1/2 SW1/4 SEC. 7, T31N, R6W  
 SW1/4 NW1/4, NW1/2 SW1/4, SE1/4 SW1/4 SEC. 8, T31N, R6W  
 NW1/2 NW1/4, SE1/4 NW1/4 SEC. 17, T31N, R6W  
 Lots 7, 8, NE1/4 SW1/4, NW1/2 SW1/4 SEC. 1, T31N, R6W  
 NW1/2 NW1/4, NW1/2 SE1/4, SE1/4 SE1/4 SEC. 12, T31N, R6W  
 SE1/4 NW1/4, NW1/2 SE1/4, S1/2 SE1/4 SEC. 13, T31N, R6W  
 SE1/4 NW1/4, NW1/2 SE1/4, SE1/4 SE1/4 SEC. 14, T31N, R6W  
 E1/2 NE1/4 SEC. 24, T31N, R6W  
 S1/2 SW1/4 SEC. 28, T31N, R6W  
 NW1/2 NE1/4, SE1/4 NE1/4, E1/2 SE1/4 SEC. 29, T31N, R6W  
 NE1/4 NW1/4 SEC. 33, T31N, R6W  
 SW1/4 SW1/4 SEC. 25, T32N, R6W  
 SE1/4 SE1/4 SEC. 26, T32N, R6W  
 E1/2 E1/2 SEC. 35, T32N, R6W

LENGTH - 63,000'

AMOCO

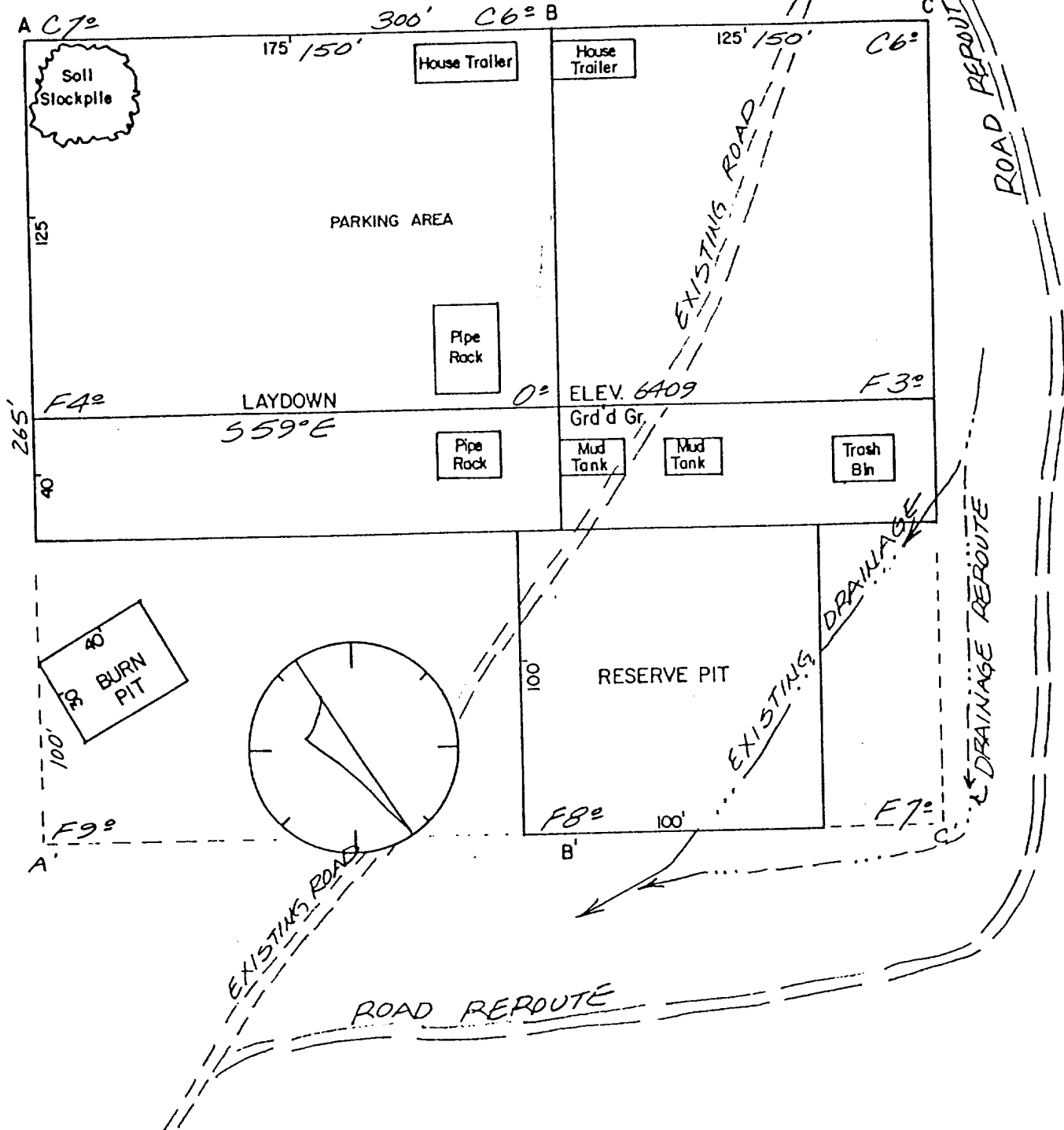
LOCATION

EXHIBIT E



AMOCO PRODUCTION COMPANY

1780' F/NL 790' F/WL  
SEC. 24, T31N, R7W, NMPM  
SAN JUAN COUNTY, NEW MEXICO





AMOCO

LOCATION

EXHIBIT E

