

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

(See other instructions)

FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

**SF - 079511-A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

**Florance 44E**

9. API WELL NO.

**30-045-26061**

10. FIELD AND POOL, OR WILDCAT

**Blanco Mesaverde**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section **31**

Township **30N** Range **8W**

12. COUNTY OR PARISH

**San Juan**

13. STATE

**New Mexico**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  OTHER

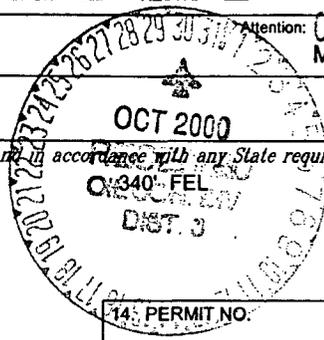
200 OCT 24 AM 9:43

2. NAME OF OPERATOR  
**Amoco Production Company**

Attention: **070 FARMINGTON, NM  
Melissa Velasco**

3. ADDRESS AND TELEPHONE NO.  
**P.O. Box 3092 Houston, TX 281-366-2548**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface **480' FSL**  
At top prod. interval reported  
At total



14. PERMIT NO.

DATE ISSUED

**04/28/2000**

15. DATE SPUNDED

**10/19/1984**

16. DATE T.D. REACHED

**10/25/1984**

17. DATE COMPL. (Ready to prod.)

**10/18/2000**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)

**5878 GR**

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

**7090**

21. PLUG, BACK T.D., MD & TVD

**5100' (New)**

22. IF MULTIPLE COMPL., HOW MANY?

23. INTERVALS DRILLED BY

ROTARY TOOLS

**Rotary**

CABLE TOOLS

PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*

**4175' - 4960' Blanco Mesaverde**

25. WAS DIRECTIONAL SURVEY MADE

**NO**

26. TYPE ELECTRIC AND OTHER LOGS RUN

**Gamma Ray**

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
<b>9 5/8"</b>	<b>36#</b>	<b>306'</b>	<b>12 1/4"</b>	<b>225 SXS</b>	
<b>7"</b>	<b>23#</b>	<b>3130'</b>	<b>8 3/4"</b>	<b>420 SXS</b>	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
<b>4 1/2"</b>	<b>2985'</b>	<b>7087'</b>	<b>440 SXS</b>		<b>2 3/8"</b>	<b>4950'</b>	

30. TUBING RECORD

PERFORATION RECORD (Interval, size, and number)

- 4960' - 4923' & 4682' - 4625 w/2 JSPF, .340 inch diameter, 16 shots
- 4903' - 4728' w/1 JSPF, .340 inch diameter, 19 shots
- 4505' - 4415' & 4395' - 4370' w/2 JSPF, .340 inch diameter, 18 shots
- 4345' - 4175' w/1 JSPF, .340 inch diameter, 16 shots

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<b>4625' - 4960'</b>	<b>80,000# 16/30 Arizona sand &amp; \$ 70 Quality Foam</b>
<b>4175' - 4505'</b>	<b>80,000# 16/30 Arizona sand &amp; \$ 70 Quality Foam</b>

33.\* PRODUCTION

DATE FIRST PRODUCTION: \_\_\_\_\_ PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **F** WELL STATUS (Producing or shut-in) **SI**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
<b>10/17/2000</b>	<b>12</b>	<b>3/4"</b>		<b>Trace</b>	<b>900 MCF</b>	<b>Trace</b>	

FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)
	<b>60#</b>					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

**TO BE SOLD**

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Melissa Velasco TITLE Permitting Assistant

DATE 10/23/2000

\*(See Instructions and Spaces for Additional Data on Reverse Side)

OCT 23 2000

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.

**NMOCD**

BY Melissa Velasco

**Florance 44E**  
**RECOMPLETION SUBSEQUENT REPORT**  
**10-23-00**

09/29/00 MIRUSU. NDWH & NU BOPs. Tally & TOH w/TBG. SDFN.

10/02/00 RU & TIH & set CIBP @ 6800'. Loaded hole w/water. Pressure tested to 1,000#. Held Ok. RU & spot CMT plug from 6800' to 5664'. TOH w/a TBG set 4.5" packer & set @ 2983'. Pressure tested to 4.5" CSG to 1,000# for 15 min. Held Ok. TOH w/4.5" packer. . TIH w/7" packer & set @ 2980'. Just above the liner top @ 2985'. Tested 7" CSG to 1,000#. Held Ok. Pull out the hole with packer. SDFN.

10/3/00 TOH w/ 7" packer. TIH w/7" bridge plug. Set bridge plug @ 2970'. TOH w/setting tool & TIH w/7" packer. Set packer @ 65'. Tested 7" to 700#. Held Ok. Released packer & tested the total 7" CSG to 2,000#. Held Ok. Released packer & tested the total 7" CSG string to 2,500#. Held 15 min. Held Ok. CIRC hole for 1 hr. SDFN.

10/4/00 TOH w/ 7" packer. TIH w/Retrieving Head & released 7" bridge plug. TOH w/ 7" bridge plug. TDIH & found bridge plug @ 1250'. Latched on to bridge plug & TOH. SDFN.

10/5/00 TIH w/TGB set CIBP & set it @ 5794'. RU & spotted a 100' CMT plug on top of CIBP from 5794' to 5694'. TOH w/TBG & pressure tested CSG to 2,500#. Held Ok. RU & set CIBP for new PBTD of 5100'. Ran Gamma Ray Log.

RU & Perf 1<sup>st</sup> stage - Point Lookout & Lower Menefee formation as follows w/2 JSPF, 0.340 inch diameter, total shots 16:

4960'	4923'	4667'	4635'
4942'	4682'	4640'	4625'

RU & Perf 1<sup>st</sup> stage - Point Lookout & Lower Menefee formation as follows w/1 JSPF, 0.340 inch diameter, total shots 19:

4903'	4872'	4828'	4790'	4750'
4893'	4853'	4810'	4775'	4738'
4885'	4849'	4805'	4770'	4728'
4875'	4835'	4795'	4755'	

10/9/00 RU & Frac 1<sup>st</sup> Stage & pumped w/80,000# of 16/30 Arizona Sand & 70% N2 Foam. SDFN.

Florance 44E  
RECOMPLETION SUBSEQUENT REPORT  
10-23-00

10/10/00 RU & set cast iron bridge plug @ 4550'. Perf 2<sup>nd</sup> stage - Cliffhouse & Menefee formation as follows w/2 JSPF, 0.340 inch diameter, total shots 18:

4505'	4435'	4395'
4485'	4465'	4385'
4480'	4415'	4370'

Perf 2<sup>nd</sup> stage - Cliffhouse & Menefee formation as follows w/1 JSPF, 0.340 inch diameter, total shots 16:

4345'	4305'	4270'	4207'
4340'	4293'	4255'	4190'
4332'	4285'	4245'	4180'
4310'	4275'	4215'	4175'

RU & Frac 2<sup>nd</sup> Stage & pumped w/80,000# of 16/30 Arizona Sand & 70% N2 Foam. Flow back tree. Installed  $\frac{1}{4}$ " choke & flowed back frac to pit.

10/11/00 Well flowed through  $\frac{1}{4}$ " choke all night. Installed a  $\frac{1}{2}$ " choke & well make heavy foam & water. After 14:00 well flowing pressure was 180#. No sand & little foam. SDFN.

10/12/00 Put well on  $\frac{3}{4}$ " choke. Made no sand or water. TIH w/TBG & mill. Tag @ 4460'. CIRC hole clean to the top of CIBP & set @ 4550'. PU above perfs. Flowed well to the pit.

10/13/00 TIH & tag fill @ 4525'. RU & CIRC clean to the top of CIBP & set @ 4550'. TIH & clean out to 5100'. PU above perfs & SDFN.

10/16/00 RU & check for fill. Tag fill @ 5080'. CIRC hole clean to 5100'. PU above perfs & flowed well natural for 3 hrs. Checked for fill. Found none. Put well on  $\frac{3}{4}$ " choke. Flow test.

10/17/00 After 12 hrs. well was flowing @ 60#. Flow rate of 900 MCF. TIH & checked for fill. Found none. TOH layed down mill & bit sub. TIH w/production TBG & land @ 4950'. ND BOP's & NUWH. SDFN.

10/18/00 RU & pull TBG stop. Ran TBG stop.

RD MOSU Rig Released @ 08:00 hrs.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires September 30, 1990

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.

APR 21 AM 9:48

SUBMIT IN TRIPLICATE

070 FARMINGTON, NM

1. Type of Well

OIL WELL  GAS WELL  OTHER

2. Name of Operator

Amoco Production Company

Mary Corley

3. Address and Telephone No.

P.O. Box 3092 Houston, TX 77253

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

480' FSL 340' FEL Sec. 31 T30N R8W Unit P

5. Lease Designation and Serial No.

SF - 079511 - A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Florance 44E

9. API Well No.

30-045-26061

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

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 checked="" 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 type="checkbox"/> Other	

(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.)\*

On July 21, 1999 Amoco Production Company received approval to permanently abandon the subject wellbore. After further review it has been determined that there is uphole potential, therefore, Amoco request permission to abandon the Dakota completion and recomplete the subject well into the Blanco Mesaverde formation as per attached procedure.

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

Signed

*Mary Corley*

Title Sr. Regulatory Analyst

Date

04/18/00

(This space for Federal or State office use)

Approved by

/s/ Charlie Beecham

Title

Date

APR 28 2000

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.

NSL

Hold c104 f/NSL CP

\*See Instructions On Reverse Side

RM000

## Florance #44E Recompletion Procedure

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### Procedure:

1. Check anchors. MIRU.
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well. If necessary, kill with 2% KCL water.
4. Nipple down WH. NU BOPs. Pressure test to 500 psi.
5. Tally OH with 2-3/8" production tubing currently set at 7003'.
6. TIH with bit and scraper for 4-1/2" casing to 5100'.
7. TIH with tubing-set CIBP. Set CIBP at 6325'. Load hole with 2% KCL.
8. Spot 100' cmt plug from 6225' - 6325'. TOH to 6000'. Spot 100' cmt plug from 5900' - 6000' across Gallup formation (use 50% excess for balanced plug). TOH.
9. RU WL. Run CBL over MV interval (4050' - 5050') to ensure zonal isolation across the MV.
10. TIH with WL and set CIBP at 5100'.
11. Pressure test casing to 1500 psi.
12. RIH with 3-1/8" casing guns with Schlumberger's Prospector, select-fire charge. Perforate Lower Menefee/Point Lookout formation (correlate to GR log).  
4625', 4635', 4640', 4667', 4682', 4728', 4738', 4750', 4755', 4770', 4775', 4795', 4805',  
4810', 4828', 4835', 4849', 4853', 4875', 4885', 4893', 4903', 4923', 4942', 4960'
13. RU frac equipt & install wellhead isolation tool. Use 2% KCL/N2 foam in fracture stimulation.
14. Spearhead 500 gal 15% HCL, establish injection rate, & proceed with fracture stimulation.
15. Immediately after frac job, RU WL unit and lubricator.
16. RIH and set CIBP between Cliffhouse and Menefee at 4550'.
17. RIH with 3-1/8" casing guns with Schlumberger's Prospector, select-fire charge. Perforate Cliffhouse/Upper Menefee formation (correlate to GR log).  
4175', 4180', 4190', 4207', 4255', 4270', 4275', 4285', 4293', 4305', 4310', 4332', 4340',  
4345', 4370', 4385', 4395', 4415', 4435', 4465', 4480', 4485', 4505'
18. RU frac equipt & install wellhead isolation tool. Use 2% KCL/N2 foam in fracture stimulation.
19. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation.
20. Flowback frac immediately.
21. TIH with tubing and bit. Cleanout fill & drill bridge plug set at 4550'. Cleanout fill to 5100'.
22. TIH with 2-3/8" production tubing. Land production tubing at 4950'.
23. ND BOP's. NU WH. Return well to production.

**DISTRICT I**  
 P.O. Box 1980, Hobbs, NM 88240  
**DISTRICT II**  
 311 South First., Artesia, NM 88210  
**DISTRICT III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
**DISTRICT IV**  
 2040 South Pacheco, Sante Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-102  
 Revised October 18, 1994  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

**OIL CONSERVATION DIVISION**  
 2040 South Pacheco  
 Santa Fe, New Mexico 87505

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-045-26061	Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 000518	Property Name Florance	Well Number 44
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 5878'

**Surface Location**

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT P	31	30N	8W		480'	SOUTH	340'	EAST	San Juan

**Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
Dedicated Acreage: 220 297.11		Joint or Infill I	Consolidation Code		Order No.				

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

	<p><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p> <p>Signature: <i>Mary Corley</i></p> <p>Printed Name: Mary Corley</p> <p>Position: Sr. Business Analyst</p> <p>Date: 04/18/2000</p>
	<p><b>SURVEY CERTIFICATION</b></p> <p><i>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.</i></p> <p>On File</p> <p>Date of Survey:</p> <p>Signature &amp; Seal of Professional Surveyor:</p>
	<p>Certificate No.:</p>

# Florance #44E

Sec 31, T30N, R8W

GL: 5878'

### History:

Completed in 12/84

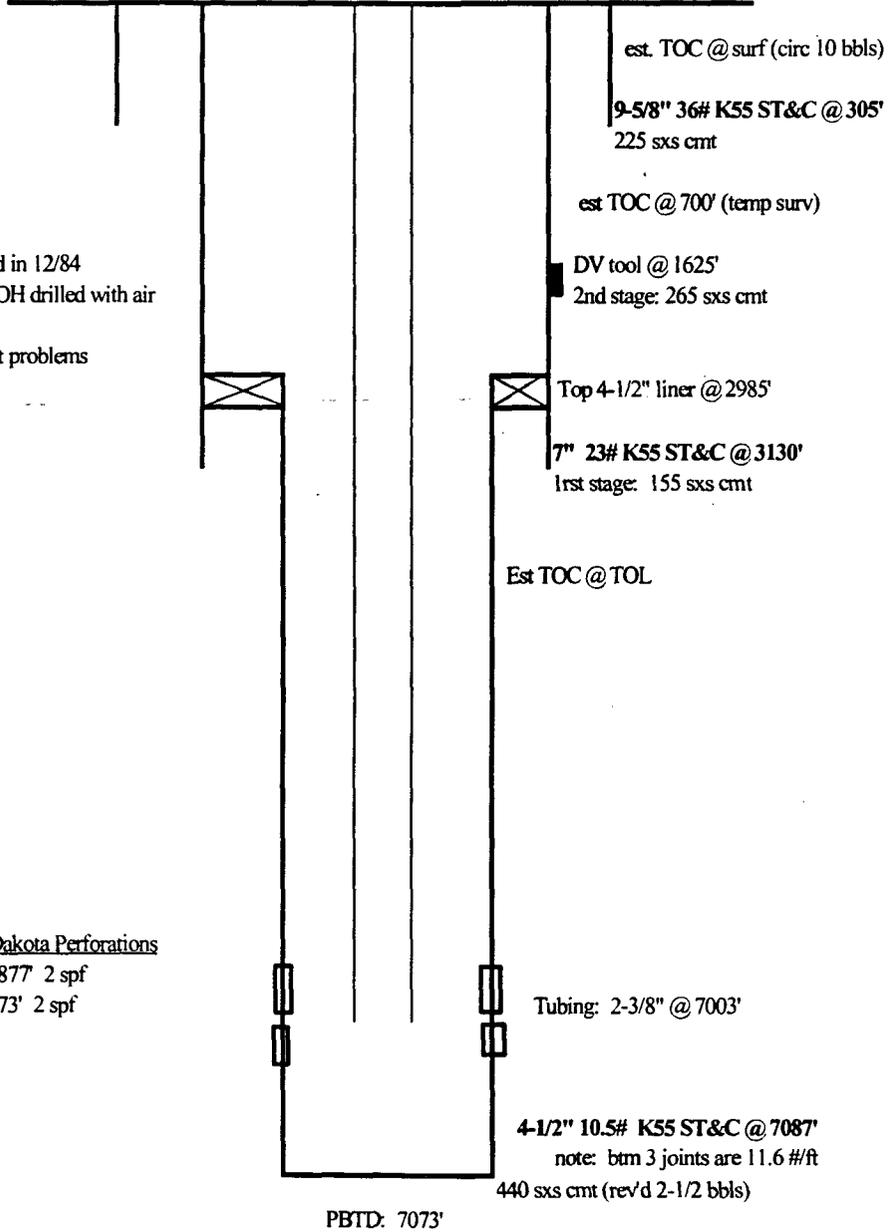
- 6-1/4" OH drilled with air

without problems

### Original Dakota Perforations

63854' - 6877' 2 spf

7063' - 7073' 2 spf



### Notes:

- Good circulation throughout primary cmt job. 2-1/2 bbls were reversed off liner top

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

RECEIVED  
BLM

99 JUN -1 AM 10:03

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

AMOCO PRODUCTION COMPANY

3. Address and Telephone No.

P.O. BOX 3092 HOUSTON TX 77253 281-366-4491

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

480' FSL 340' FEL Sec. 31 T 30N R 8W UNIT P

5. Lease Designation and Serial No.

SF-079511-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

070 FARMINGTON, NM

8. Well Name and No.

Fiorance 44E

9. API Well No.

30-045-26061

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"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input type="checkbox"/> Other _____ <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 permission to plug and abandon the subject well as per the attached SJOET Well Work Procedure.

For technical assistance please contact Janet Ray @ 505-326-9281. For administrative assistance please contact Mary Corley @ 281-366-4491.

Reference letter NMSF-079511A (WC) 3162.3-2 (7100) and Sundry Notice dated 5/3/99.

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

Signed Mary Corley Title Sr. Business Analyst Date 06-28-1999

(This space for Federal or State office use)

Approved by /s/ Duane W. Spencer Title Team Lead, Petroleum Management Date JUL 21 1999

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

NMOC

# SJOET Well Work Procedure

Well Name: Florance 44E  
Version: #1  
Date: 6/15/99  
Budget: DRA  
Repair Type: PXA  
SAP Project: X7-0007L (OARS #45438)

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## Objectives:

1. To PXA the entire well.
- 

## Pertinent Information:

Location:	480 FSL, 340 FEL Sec. 31, T30N-R8W	Horizon:	Basin Dakota
County:	San Juan	API #:	3004526061
State:	New Mexico	Engr:	James Dean
Lease:	SF-079511-A	Phone:	W (281) 366-5723
Well Flac:	979864		
Lease Flac:	698525		

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## Economic Information:

APC WI: 57.47%  
Estimated Cost: \$20,000

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## Formation Tops: (Estimated formation tops)

San Jose:	surface	Menefee:	4,350'
Nacimiento:	75'	Point Lookout:	4,738'
Ojo Alamo:	1,500'	Mancos Shale:	5,114'
Kirtland Shale:	1,577'	Gallup:	5,744'
Fruitland:	2,230'	Graneros:	
Pictured Cliffs:	2,538'	Dakota:	6,854'
Lewis Shale:	2,653'	Morrison:	
Chacra:	3,303'		
Cliff House:	4,171'		

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## Bradenhead Test Information:

Test Date: 9/18/96    Tubing: 1297    Casing: 1310    BH: 0

Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

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Comments: Well is shut-in.

**Well Name: Florance 44E**

**Original Completion: 12/84**

**TD = 7,090' PBTD = 7,073'**

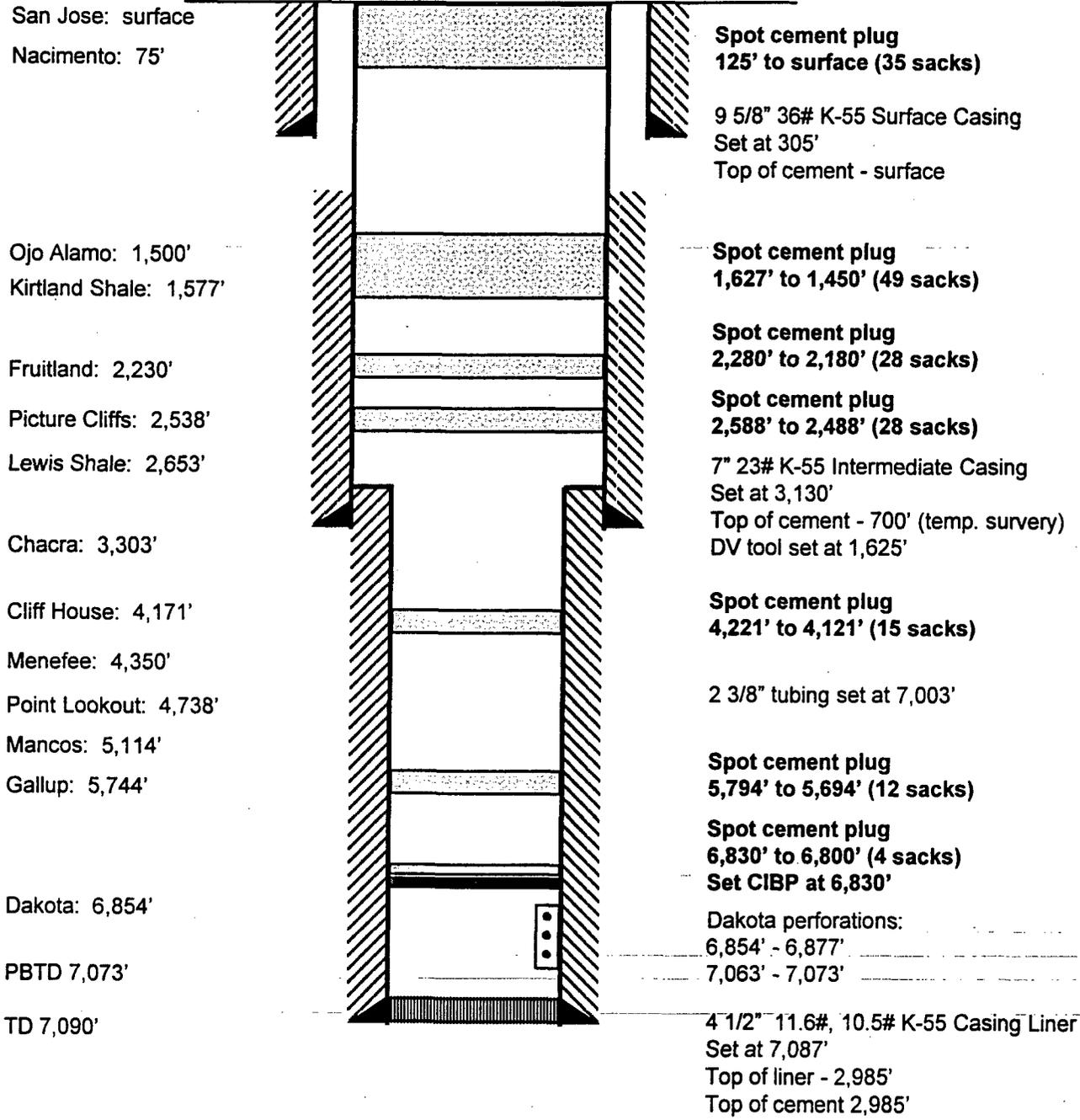
**Page 2 of 2**

1. Notify regulatory agencies (BLM, NMOCD, FIMO) 24 hours in advance of plugging activity. Contact BLM and indicate well is allotted (FIMO regulations effective April 1, 1997).
2. Check location for anchors. Install if necessary. Test anchors.
3. MIRUSU. Blow down well. Kill if necessary with fresh water. NDWH. NUBOP.
4. TOH with 2 3/8" tubing. Run in hole with tubing work string and CIBP, set CIBP at 6830'. Spot cement plug from 6830' to 6800' (4 sacks). TOH to 5,794', spot cement plug from 5794' to 5694' (12 sacks). TOH to 4221', spot cement plug from 4221' to 4121' (12 sacks). TOH to 2588', spot cement plug from 2588' to 2488' (28 sacks). TOH to 2280', spot cement plug from 2280' to 2180' (28 sacks). TOH to 1627', spot cement plug from 1627' to 1450' (49 sacks). TOH to 125', spot cement plug from 125' to surface (35 sacks).
5. NDBOP. Cut off casing and wellhead. Install PXA marker according to BLM or State requirements.
6. Contact FMC and ship surface equipment to yard or other location per instructions.
7. Provide workorder to Buddy Shaw for reclamation.
8. Rehabilitate location according to BLM or State requirements.

**Florance 44E**

**P31 T30N-R8W, 480 FSL, 340 FEL  
API 3004526061  
SF-079511-A**

**Proposed PXA Wellbore Schematic**



Not to scale

6/15/99  
jkr

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  
 Oil Well  
 Gas Well  
 Other

2. Name of Operator  
 AMOCO PRODUCTION COMPANY

3. Address and Telephone No.  
 P.O. BOX 3092 HOUSTON, TX 77253

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 480' FSL      340' FEL      Sec. 31 T 30N R 8W      UNIT P

**RECEIVED**  
 MAY 12 1999  
 MARY CORLEY  
 OIL CON. DIV.  
 281-389-4491  
 DIST. 3

5. Lease Designation and Serial No.  
 SF-079511-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
 Florance      44E

9. API Well No.  
 30-045-26061

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 type="checkbox"/> Notice of Intent <input checked="" 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 type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other Letter Dated 03-03-1999 <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 has reviewed the Dakota production and recompletion potential in this wellbore and have concluded that compression would not substantially increase the Dakota production and the Mesaverde reservoir in this area is being adequately drained by offset wells. It is our intention to P&A the wellbore. P&A procedures are being prepared at this time and will be forwarded to your office upon completion.

Reference letter NMSF-079115A (WC)  
 3162.3-2 (7100)

RECEIVED  
 MAY 12 1999  
 OTO TRANSPORTATION UNIT

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

Signed Mary Corley Title Senior Business Analyst Date 05-03-1999

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 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

NMOCD

MAY 12 1999

SMN

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

**RECEIVED**  
OCT - 1 1998

**OIL CON. DIV.**  
DIST. 3

5. Lease Designation and Serial No. SF-079511-A

6. If Indian, Allottee or Tribe Name

Unit or CA, Agreement Designation

7. Well Name and No. Florance 44E

8. API Well No. 3004526061

10. Field and Pool, or Exploratory Area Basin Dakota

11. County or Parish, State SAN JUAN NEW MEXICO

1. Type of Well  
 Oil Well  
 Gas Well  
 Other

2. Name of Operator AMOCO PRODUCTION COMPANY  
 Attention: Pat Archuleta

3. Address and Telephone No.  
 P.O. BOX 800 DENVER, COLORADO 80201 (303) 830-5217

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 480' FSL 340' FEL Sec. 31 T 30N R 8W UNIT P

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" 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 Letter Dated 6/18/98
	<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 will install a wellhead compressor on this well for one month in the 1st quarter of 1999.

If well does not perform under well head compressor an evaluation we be made at that time to either recomplate or plug and abandon the well.

Reference NMNM-04202 et al (WC0  
3162.3-4 (7400)

THIS APPROVAL EXPIRES MAR 01 1999

RECEIVED  
BLM  
98 SEP 24 AM 9:33  
OTO FARMINGTON, NM

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

Signed Pat Archuleta Title Staff Assistant Date 09-23-1998

(This space for Federal or State office use)

Approved by /s/ Duane W. Spencer Title \_\_\_\_\_ Date SEP 28 1998

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

NMOC



District I  
PO Box 1980, Hobbs, NM 88241-1930

District II  
PO Drawer DD, Artesia, NM 88211-0719

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

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico CONSERVATION DIVISION  
Energy, Minerals & Natural Resources  
Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

97986401  
Form C-104  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

96 JAN 26 AM 8 52

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address  AMOCO PRODUCTION COMPANY 200 AMOCO COURT FARMINGTON, NM 87401		<sup>2</sup> OGRID Number 000778
		<sup>3</sup> Reason for Filing Code CO
<sup>4</sup> API Number 300452606100	<sup>5</sup> Pool Name BASIN-DAKOTA-GAS	<sup>6</sup> Pool Code 071599
<sup>7</sup> Property Code 000518	<sup>8</sup> Property Name FLORANCE 44E	<sup>9</sup> Well Number 44E

II. <sup>10</sup>Surface Location

UI or lot no. P	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
	0031	030	008		480	S	340	E	SAN JUAN

<sup>11</sup>Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code		<sup>14</sup> Gas Connection Date		<sup>15</sup> C-129 Permit Number		<sup>16</sup> C-129 Effective Date		<sup>17</sup> C-129 Expiration Date

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
9018	GIANT REFINING BOX 12999 SCOTTSDALE AZ 85267	0236610	O	
7057	EPNG P.O. BOX 4990 FARMINGTON NM 87499	0236630	G	

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
-------------------	--

V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBTD	<sup>29</sup> Perforations
<sup>30</sup> Hole Size	<sup>31</sup> Casing & Tubing Size	<sup>32</sup> Depth Set	<sup>33</sup> Sacks Cement	

VI. Well Test Data

<sup>34</sup> Date New Oil	<sup>35</sup> Gas Delivery Date	<sup>36</sup> Test Date	<sup>37</sup> Test Length	<sup>38</sup> Tbg. Pressure	<sup>39</sup> Csg. Pressure
<sup>40</sup> Choke Size	<sup>41</sup> Oil	<sup>42</sup> Water	<sup>43</sup> Gas	<sup>44</sup> AOF	<sup>45</sup> Test Method
<sup>46</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.  Signature: <i>J. P. Shaheen</i> Printed Name: J. P. SHAHEEN Title: SENIOR BUSINESS ANALYST Date: 9/27/95			OIL CONSERVATION DIVISION Approved by: <i>J.P.S.</i> Title: SUPERVISOR DISTRICT #3 Approval Date: SEP 27 1995 Phone: (505) 326-9413		

**OIL CONSERVATION DIVISION**

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

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

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

**REQUEST FOR ALLOWABLE AND AUTHORIZATION  
 TO TRANSPORT OIL AND NATURAL GAS**

**I.**

Operator <b>Amoco Production Company</b>	Well API No. <b>3004526061</b>
Address <b>1670 Broadway, P. O. Box 800, Denver, Colorado 80201</b>	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator <b>Tenneco Oil E &amp; P, 6162 S. Willow, Englewood, Colorado 80155</b>	

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name <b>FLORANCE</b>	Well No. <b>44E</b>	Pool Name, Including Formation <b>BASIN (DAKOTA)</b>	FEDERAL	Lease No. <b>SF079511A</b>
Location				
Unit Letter <b>P</b>	<b>480</b>	Feet From The <b>FSL</b>	Line and <b>340</b>	Feet From The <b>FEL</b>
Section <b>31</b>	Township <b>30N</b>	Range <b>8W</b>	<b>NMPM,</b>	<b>SAN JUAN</b> County

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>EL PASO NATURAL GAS COMPANY</b>	<b>P. O. BOX 1492, EL PASO, TX 79978</b>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>EL PASO NATURAL GAS COMPANY</b>	<b>P. O. BOX 1492, EL PASO, TX 79978</b>
If well produces oil or liquids, give location of tanks.	Unit   Sec.   Twp.   Rge.   Is gas actually connected?   When?

If this production is commingled with that from any other lease or pool, give commingling order number:

**IV. COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
<b>TUBING, CASING AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

**V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL** (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

**GAS WELL**

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

**VI. OPERATOR CERTIFICATE OF COMPLIANCE**

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

*J. L. Hampton*  
 Signature  
**J. L. Hampton** Sr. Staff Admin. Suprv.  
 Printed Name Title  
**January 16, 1989** **303-830-5025**  
 Date Telephone No.

**OIL CONSERVATION DIVISION**

Date Approved **MAY 08 1989**

By *[Signature]*

Title **SUPERVISION DISTRICT # 8**

- INSTRUCTIONS:** This form is to be filed in compliance with Rule 1104
- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
  - 2) All sections of this form must be filled out for allowable on new and recompleted wells.
  - 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
  - 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

EL PASO NATURAL GAS COMPANY  
POST OFFICE BOX 990  
FARMINGTON, NEW MEXICO

RECEIVED  
JAN 13 1988  
OIL CONSERVATION DIVISION  
SANTA FE

**NOTICE OF GAS CONNECTION**

**DATE** December 31, 1987

**THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF**

<b>GAS FROM</b>	<u>Tenneco Oil</u>	<u>Florance #44-E</u>
	<b>Operator</b>	<b>Well Name</b>
<u>92-066-01</u>	<u>75247-51</u>	<u>P</u>
<b>Meter Code</b>	<b>Site Code</b>	<b>Well Unit</b>
		<u>31-30-8</u>
		<b>S-T-R</b>
<u>Basin Dakota</u>	<u>EL PASO NATURAL GAS</u>	
<b>Pool</b>	<b>Name of Purchaser</b>	

**WAS MADE ON** October 15, 1987  
**Date**

**FIRST DELIVERY** December 8, 1987  
**Date**

**AOF** \_\_\_\_\_

**CHOKE** 809

EL PASO NATURAL GAS  
**Purchaser**  
*Sheri Underwood*  
**Representative**

\_\_\_\_\_  
**Clerk, Technical Support**  
**Title**

**CC: OPERATOR  
OIL CONSERVATION COMMISSION (2)  
PRODUCTION CONTROL - El Paso  
CONTRACT ADMINISTRATION - El Paso  
FILE**

*F  
045  
CST*

**JAN 03 1988**

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

**RECEIVED**

FEB 27 1985

OIL CON. DIV.

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 12/6/84	
Company Tenneco Oil Company		Connection	
Pool Basin		Formation Dakota	
Completion Date		Total Depth 7090	Plug Back TD 7073
Elevation		Farm or Location Florance	
Csq. Size / 4 1/2	Wt. d	Set At 3130 7087	Perforations: From 6854 To 7073
Trq. Size 2 3/8	Wt. d	Set At 7003	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At	
Producing Thru		Reservoir Temp. °F p	Mean Annual Temp. °F
Baro. Press. - P <sub>g</sub>		State New Mexico	
L	H	G <sub>g</sub> .700	% CO <sub>2</sub> % N <sub>2</sub> % H <sub>2</sub> S
Prover		Meter Run	Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.	2 x 6 x .75						1385		1385	
2.							48		252	56
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1.	11		60	1.004	1.195	1.0055	809
2.							
3.							
4.							
5.							

NO.	P <sub>f</sub>	Temp. °R	T <sub>f</sub>	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.09	516	1.31	.989	A.P.J. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P <sub>i</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
1.	1397	264	69696	1881913
2.				
3.				
4.				
5.				

(1)  $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0370$     (2)  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0276$

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 831$

Absolute Open Flow 831 Mcfd @ 15.025    Angle of Slope  $\theta$  \_\_\_\_\_    Slope, n .75

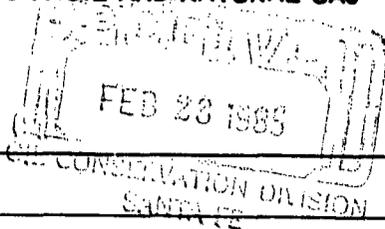
Remarks: \_\_\_\_\_

Approved by Division \_\_\_\_\_    Conducted by: \_\_\_\_\_    Calculated by: \_\_\_\_\_    Checked by: \_\_\_\_\_

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

**NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104  
Supersedes Old C-104 and C-105  
Effective 1-1-85



**I. Operator**  
Tenneco Oil Company

**Address**  
P. O. Box 3249, Englewood, CO 80155

**Reason(s) for filing (Check proper box)**

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:			
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>	Dry Gas	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>	Condensate	<input type="checkbox"/>

**Other (Please explain)**

If change of ownership give name and address of previous owner

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name Florance	Well No. 44E	Pool Name, including Formation Basin Dakota	Kind of Lease USA	Lease No. 079511A
Location Unit Letter <u>P</u> ; <u>480</u> Feet From The <u>South</u> Line and <u>340</u> Feet From The <u>East</u>				
Line of Section <u>31</u> Township <u>T30N</u> Range <u>8W</u> , NMPM, <u>San Juan</u> County				

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Conoco Inc. Surface Transportation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 460, Hobbs, NM 88240				
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Co	Address (Give address to which approved copy of this form is to be sent) P. O. Box 4990, Farmington, NM 87499				
If well produces oil or liquids, give location of tanks.	Unit P	Sec. 31	Twp. 30N	Rge. 8W	Is gas actually connected? When No ASAP

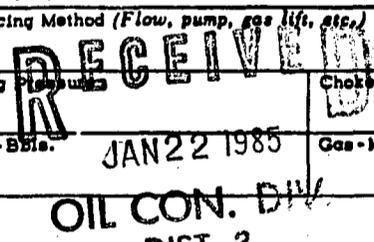
If this production is commingled with that from any other lease or pool, give commingling order number:

**IV. COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 10-19-84	Date Compl. Ready to Prod. 12-31-84		Total Depth 7090' KB		P.B.T.D. 7073' KB			
Elevations (DF, RKB, RT, GR, etc.) 5866' GR	Name of Producing Formation Dakota		Top Oil/Gas Pay 6854' KB		Tubing Depth 7003' KB			
Perforations 2JSPF 33', 66 holes 6854'-77', 7063'-73' KB					Depth Casing Shoe 7087' KB			
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4"	9 5/8 csg		305' KB		225sx 265CF			
8 3/4"	7" csg		3130' KB		420sx 658CF			
6 1/4"	4 1/2" liner csg		2985' - 7087' KB		440sx 743CF			
--	2 3/8" tbq		7003' KB		--			

**V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL** (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bble.	Water-Bble.	Gas-MCF



**GAS WELL**

Actual Prod. Test-MCF/D 809	Length of Test 3 hrs.	Bble. Condensate/MCF	Gravity of Condensate
Testing Method (pitot, back pr.) Back pressure	Tubing Pressure (Shut-in) 1385	Casing Pressure (Shut-in) 1385	Choke Size 3/4"

**VI. CERTIFICATE OF COMPLIANCE**

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

*Scott McKinnis*  
(Signature)

Sr. Regulatory Analyst  
(Title)

January 11, 1985  
(Date)

**OIL CONSERVATION COMMISSION**

FEB 15 1985

APPROVED \_\_\_\_\_, 19

BY *[Signature]*

TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

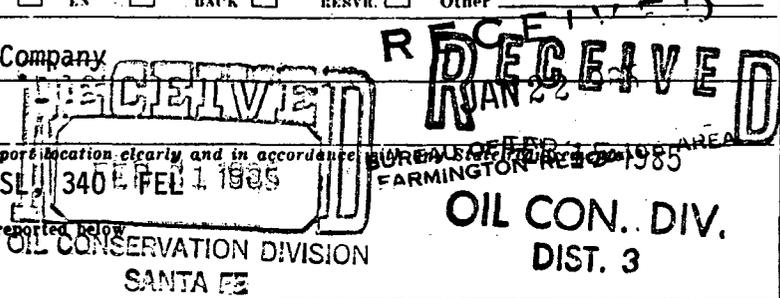
1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RENVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Tenneco Oil Company

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (Report location clearly and in accordance with BUREAU OF LAND MANAGEMENT FORM 3160-4, 1985)  
At surface 480' FSL 340' FEB 1 1985  
At top prod. interval reported below  
At total depth  
OIL CONSERVATION DIVISION  
SANTA FE



5. LEASE DESIGNATION AND SERIAL NO.  
SF-079511-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Florance

9. WELL NO.  
44E

10. FIELD AND POOL, OR WILDCAT  
Basin Dakota

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 31, T30N R8W

12. COUNTY OR PARISH  
San Juan

13. STATE  
NM

15. DATE SPUNDED 10-19-84 16. DATE T.D. REACHED 10-25-84 17. DATE COMPL. (Ready to prod.) 12-31-84 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5878' GR 19. ELEV. CASINGHEAD 5866 GR

20. TOTAL DEPTH, MD & TVD 7090' KB 21. PLUG, BACK T.D., MD & TVD 7073' KB 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 6854' - 7073' KB Dakota 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Run #1 GR-SP-DILL, GR-CDL-CNL Caliper, Run #2 GR-DIL, GR-CDL-CALIPER 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36.0	305' KB	12 1/4"	225 sx 265CF B + 2% CACL2	+ 1/2#/sx cellofla
7"	23.0	3130' KB	8 3/4"	1st Stg-55sx 101CF 65-35-6	+ 2% CACL2 + 1/4#
				sx celloflakes. Tail w/ 100	sx 118CF B+2%
				CACL2 + 1/4#/sx celloflakes.	2nd stg- *

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)
4 1/2"	2985' KB	7087' KB	See Reverse	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7003' KB	

31. PERFORATION RECORD (Interval, size and number)

2 JSPF 33', 66 holes  
6854'-77' Dakota  
7063'-73'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6854'-7073' KB	Acidize w/1400 gals 15% wgt HCL.
	Frac w/62,300 gals 30# xlgel
	81,800# 20/40 sd.

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
11-14-84	Flowing	Shut-in					
DATE OF TEST	HOURS TESTED	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-31-84	3 hrs.	3/4"			101.1		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
48	252			809			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

To forward logs

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Scott McKinnis TITLE Sr. Regulatory Analyst

DATE JAN 23 1985  
1-11-85

\*(See Instructions and Spaces for Additional Data on Reverse Side)

FARMINGTON RESOURCE AREA  
RY Smm

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.

\* 190sx 350CF 65-35-6 + 2% CACL2 + 1/2#/sx celloflake. Tail w/75sx 89CF B+2% CACL2+1/2#/sx cel

\* 4½ Liner Cement Detail - 340 sx 625 ~~4~~<sup>3</sup> 65-35-6 + .6% CF-10. Tail w/ 100 sx 118 CF B + .6% CF-10.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
OJO Alamo	1540'	1600'	Sandstone & siltstone	Greenhorn	6755' KB	
Kirkland	1600'	2265'	Shale w/ siltstone			
Fruitland	2265'	2538'	Shale, siltstone, & coal beds			
Pictured Cliffs	2538'	2650'	Shale, sandstone			
Lewis	2650'	4170'	Shale			
Cliffhouse	4170'	4350'	Siltstone & shale			
Menefee	4350'	4750'	Siltstone & shale			
Point Lookout	4750'	4930'	Sandstone & siltstone			
Mancos	4930'	6000'	Shale			
Gallup	6000'	6755'	Shale, siltstone			
Graneros	6870'	6850'	Shale			
Dakota	6850'	TD	Sandstone, siltstone & shale			

38. GEOLOGIC MARKERS

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**SUBMIT IN TRIPlicate**  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

**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—" for such proposals.)

<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> <input type="checkbox"/>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> SF-079511-A
<b>2. NAME OF OPERATOR</b> Tenneco Oil Company		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>
<b>3. ADDRESS OF OPERATOR</b> P. O. Box 3249, Englewood, CO 80155		<b>7. UNIT AGREEMENT NAME</b>
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  480' FSL, 340' FEL		<b>8. FARM OR LEASE NAME</b> Florance
<b>14. PERMIT NO.</b> 30-045-26061		<b>9. WELL NO.</b> 44E
<b>15. ELEVATIONS</b> (Show whether SP, ST, OR etc.) 5866' GR		<b>10. FIELD AND POOL, OR WILDCAT</b> Basin Dakota
<b>16. PERMIT NO.</b> 30-045-26061		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 31, T30N, R8W
<b>17. COUNTY OR PARISH</b> San Juan		<b>18. STATE</b> NM

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

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

**17. 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.)

11/12/84: MIRUSU. NDWH, NUBOP. RIH w/tbg, bit sub & 3-7/8 bit.

11/13/84: Tag cmt @6980. Drld to PBDT @7073. PT csg to 3500 psi, OK. Circ hole w/1% KCl. Spot 500 gal 7-1/2% DI HCl @7073.

11/14/84: Perf Dakota w/2 JSPF 6854-77, 7063-73 (33', 66 holes). Acidized w/1400 gal 15% wgt'd HCL. Frac well w/62,300 gal 30## XL gel & 81,800# 20/40 sd. Well screened out w/12,300 gal of 3#/gal sd on form.

11/15/84; RIH, tag sd fill @4500. Reversed out to PBDT. PU 2-3/8 tbg & land @7003. NDBOP, NUWH, RDMSU. Kick well around w/N<sub>2</sub>.

**RECEIVED**  
DEC 10 1984  
OIL CON. DIV.  
DIST. 3

**RECORDED**  
DEC 14 1984

**18. I hereby certify that the foregoing is true and correct**

SIGNED *Scott M. King* TITLE Sr. Regulatory Analyst DATE 11/20/84

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE DEC 06 1984

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NMCC

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Tenneco Oil Company		8. FARM OR LEASE NAME Florance
3. ADDRESS OF OPERATOR P. O. Box 3249		9. WELL NO. 44E
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  480' FSL, 340' FEL		10. FIELD AND POOL, OR WILDCAT Basin Dakota
14. PERMIT NO. 30-045-26061		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA Sec. 31, T30N, R8W
15. ELEVATIONS (Show whether by, or to, or from) 5866' GR		12. COUNTY OR PARISH 13. STATE San Juan NM

RECEIVED  
NOV 13 1984

BUREAU OF LAND MANAGEMENT

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

17. 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.)

10/19/84: MIRURT. Spud well @1:15 PM w/4 Corners rig #7. Drill to 306. RU & run 7 jts 293' 9-5/8 36# K-55 STC csg, set @305. Cmt w/225 sx (265CF) CL-B + 2% CaCl<sub>2</sub> + 1/4#/sx celloflake. PD @7:45 PM 10/19. Circ 10 bbls cmt to surf. WOC. PT BOPE to 1000 psi, OK.

10/22/84: RU & ran 81 jts (3162') 7" 23# K-55 STC csg, set @3130, FC @3090, DV @1625. Circ cmt w/55 sx (101CF) 65:35:6 + 2% CaCl<sub>2</sub> + 1/4#/sx celloflake. Tailed w/100 sx (118CF) CL-B + 2% CaCl<sub>2</sub> + 1/4#/sx celloflake. PD @10:30 AM 10/22. Cmt 2nd stg w/190sx (350CF) 65:35:6 + same additives. Tail w/75 sx (89CF) CL-B + same additives. PD @3 PM 10/22. WOC. NUBOPE & test to 1500 psi, OK. Drill out. Dry up & drill ahead. Ran temp survey, TOC @700.

10/25/84: Drill to TD @7090. Prep to run liner.

10/26/84: RU & ran 3 jts (125') 4-1/2, 11.6# K-55 STC & 93 jts (3964') 4-1/2 10.5# K-55 STC csg, set @7087, FC @7044, TOL @2985. Cmt w/340sx (625CF) 65:35:6 + .6% CF-10. Tail w/100sx (118CF) CL-B + .6% CF-10. PD @9:15AM 10/26. Circ 2.5 bbl cmt to surf. Rig released 1 PM 10/26/84.

RECEIVED  
OIL CONSERVATION DIV.

RECEIVED  
DEC 10 1984  
OIL CON. DIV.

18. I hereby certify that the foregoing is true and correct  
DIST. 3  
SIGNED Scott McKinnis TITLE Sr. Regulatory Analyst DATE 10/30/84

ACCEPTED FOR RECORD

DEC 06 1984

FARMINGTON RESOURCE AREA  
BY Smm

\*See Instructions on Reverse Side

NMOCC

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-36061

5. LEASE DESIGNATION AND SERIAL NO.  
SF-079511-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Florance

9. WELL NO.  
44E

10. FIELD AND POOL, OR WILDCAT  
Basin Dakota

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
Sec. 31, T30N, R8W

12. COUNTY OR PARISH | 13. STATE  
San Juan | NM

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  
Tenneco Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
480' FSL, 340' FEL  
At proposed prod. zone

RECEIVED  
APR 20 1984

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
8 mi NE of Blanco, NM

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 340'

16. NO. OF ACRES IN LEASE 1273.88

17. NO. OF ACRES ASSIGNED TO THIS WELL  
E 297.10

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
7110'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5866' GR

22. APPROX. DATE WORK WILL START\*  
ASAP after 6/30/84

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

23. PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to administrative appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	9-5/8"	36#	± 300'
8-3/4"	7"	23#	± 3130'
6-1/4"	4-1/2"	10.5#	+ 7000'
6-1/4"	4-1/2"	11.6#	± 7110'

QUANTITY OF CEMENT
Circulate to surface
Circulate to surface - 2 stages
Circulate to liner top
Circulate to liner top

See Attached

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AUG 20 1984  
OIL CONSERVATION DIVISION  
SANTA FE

RECEIVED  
AUG 14 1984  
OIL CON. DIV.  
DIST. 3

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.

SIGNED [Signature] TITLE Production Analyst

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

NW 583  
NW 104  
NMOCC

APPROVED  
AS AMENDED  
AUG 14 1984  
[Signature]  
AREA MANAGER  
FARMINGTON RESOURCE AREA

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

Form C-107  
Revised 10-1-7

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

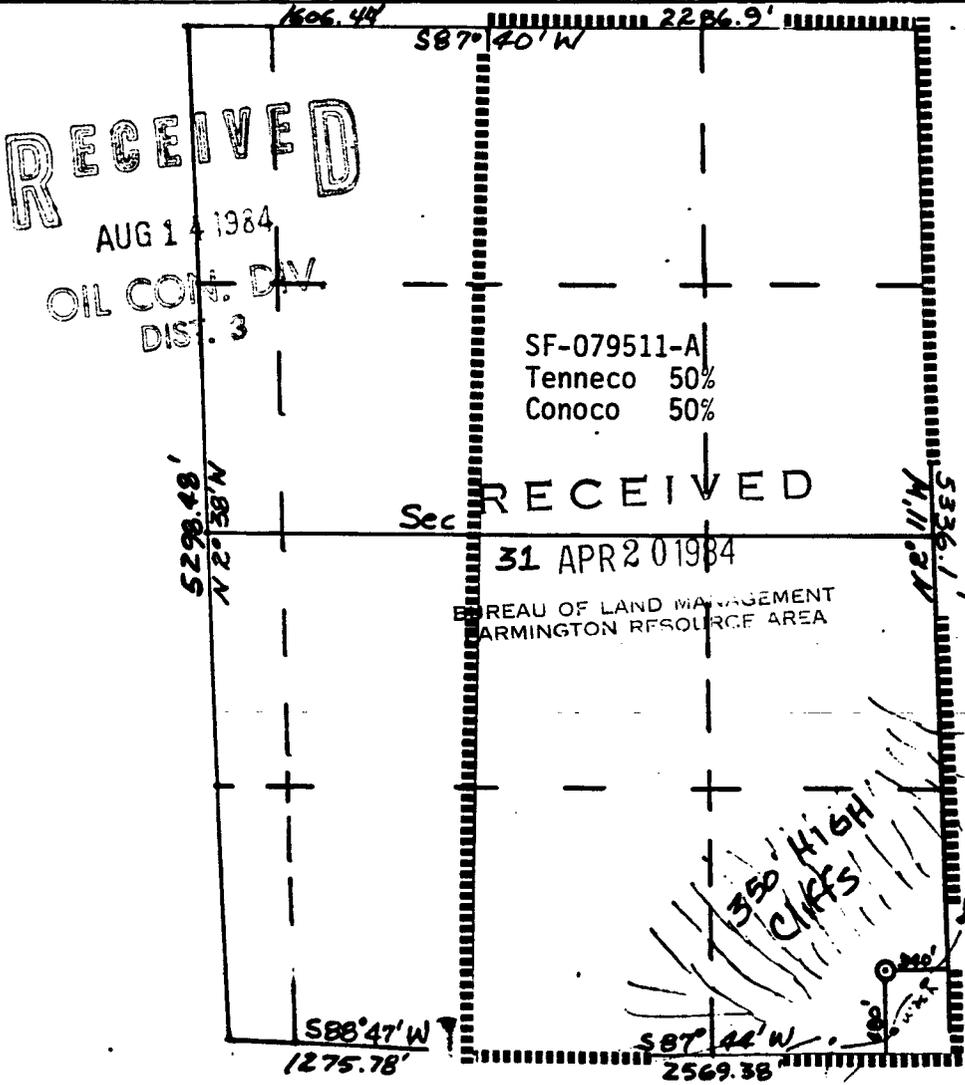
Operator <b>Tenneco Oil Company</b>		Lease <b>Florance</b>			Well No. <b>11E</b>
Unit Letter <b>P</b>	Section <b>31</b>	Township <b>30N</b>	Range <b>8W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>480</b> feet from the <b>South</b> line and <b>340</b> feet from the <b>East</b> line					
Ground Level Elev. <b>5866 Gr.</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin Dakota</b>		Dedicated Acreage: <b>297.10</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 Commission.



CERTIFICATION

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

*John Orr*

Name	John Orr
Position	Production Analyst
Company	Tenneco Oil Company
Date	April 16, 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	March 11, 1984
Registered Professional Engineer and Land Surveyor	<i>Fred E. Kerr Jr.</i> Fred E. Kerr Jr.
Certificate No.	3950

