

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Sonat Raton, L.L. C. P.O. Box 190 Raton, NM 87740		² OGRID Number 180514
		³ API Number 30 - 007-20098
³ Property Code 24618 25180	⁵ Property Name Vermejo Park Ranch	⁶ Well No. VPR B-11 (Formerly Valdez T)

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	35	30N	18E		2376'	FNL	1465'	FWL	Colfax

⁸ Proposed 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
⁹ Proposed Pool 1 Vermejo					¹⁰ Proposed Pool 2 Raton				

¹¹ Work Type Code E	¹² Well Type Code 6 G	¹³ Cable/Rotary Completion Rig	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 8131' (GL)
¹⁶ Multiple No	¹⁷ Proposed Depth 2720'	¹⁸ Formation Vermejo	¹⁹ Contractor Not Available	²⁰ Spud Date January 7, 2000

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	328'	300 sx.	
7 7/8"	5 1/2	17#	2682'	425 sx.	

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

- RU completion rig. Install BOP. PU and RIH with 4 3/4" bit on 2 7/8" tubing.
- Drill out surface plug 0' to 50' and CIBP's at 2202' and 2422'. Reverse circulate clean with fresh or clean produced water to PBTD at 2636'.
- Perforate and frac according to Raton/Houston offices.
- Clean out to bottom and reverse circulate clean.
- RIH with pumping equipment and place on test.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *DR Lankford*

Printed name: Donald R. Lankford

Title: Senior Petroleum Engineer

Date: 12/20/99

Phone: (505) 445-4620

OIL CONSERVATION DIVISION

Approved by:

Ry Johnson
DISTRICT SUPERVISOR

Approval Date: **12/27/99**

Expiration Date: **12/27/00**

Conditions of Approval:

Attached ☐

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1920, Hobbs, NM 88240

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

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

OIL CONSERVATION DIVISION
P.O. Box 2033
Santa Fe, New Mexico 87504-2033

WELL API NO. 30-007-20098
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Valdez Canyon 3018
8. Well No. 351-F
9. Pool name or Wildcat Wildcat
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 8131 GR

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

1. Type of Well:
OIL WELL ☐ GAS WELL ☐ OTHER Coal Methane

2. Name of Operator
Pennzoil Exploration & Production Company

3. Address of Operator
P.O. Box 2967, Houston, TX 77252

4. Well Location
Unit Letter F : 2376 Feet From The North Line and 1465 Feet From The West Line
Section 35 Township 30N Range 18E NMPM Colfax County

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

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

9/04/91 Estimated start of work.

1. Remove surface equipment, pull rods and tubing.
2. Set CIBP @ 2420' with 2 sks (18') class A @ 15.6 ppg on plug.
3. Set CIBP @ 2225 with 12 sks (108') class A @ 15.6 ppg. Fill to surface with Gel mud.
4. Place 6 sks (50') surface plug with class A @ 15.6 ppg.
5. Place well marker, fill pits, remove junk and debris from location.

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

SIGNATURE L. D. Williamson TITLE Operations Superintendent DATE 7/09/91

TYPE OR PRINT NAME L. D. Williamson

TELEPHONE NO 376-2817

(This space for State Use)

APPROVED BY R. E. Johnson DISTRICT SUPERVISOR DATE 7-10-91

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1920, Hobbs, NM 88240

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

DISTRICT III
1000 Rio Brator Rd., Artesia, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2033
Santa Fe, New Mexico 87504-2033

WELL API NO. 30-007-20098
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit/Agreement Name Valdez Canyon 3018
8. Well No. 351 F
9. Pool name or Wildcat Wildcat
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 8131 GR

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

1. Type of Well:
OIL WELL ☐ GAS WELL ☐ OTHER Coal Methane

2. Name of Operator
Pennzoil Exploration & Production Company

3. Address of Operator
P.O. Box 2967, Houston, TX 77252

4. Well Location
Unit Letter F : 2376 Feet From The North Line and 1465 Feet From The West Line

Section 35 Township 30 N Range 18 E NMPM Colfax County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
8131 GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: ☐	PLUG AND ABANDONMENT ☐
	CASING TEST AND CEMENT JOB ☐
	OTHER: Shut-in ☒

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

Testing complete, well shut-in waiting on pipeline.

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

SIGNATURE L. D. Williamson TITLE Operations Superintendent DATE 4/26/90

TYPE OR PRINT NAME L. D. Williamson

TELEPHONE NO. 505-376-2817

(This space for State Use)

APPROVED BY R. E. Johnson

DISTRICT SUPERVISOR

DATE 4-30-90

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-105
Revised 1-1-89

WELL API NO.
30-007-20098

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER Coal Methane

b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER

2. Name of Operator
Pennzoil Exploration and Production Company

3. Address of Operator
P.O. Box 2967, Houston, TX 77252

7. Lease Name or Unit Agreement Name
Valdez Canyon
3018

8. Well No.
351 F

9. Pool name or Wildcat
Wildcat

4. Well Location:
Unit Letter F : 2376 Feet From The North Line and 1465 Feet From The West Line
Section 35 Township 30N Range 18E NMPM Colfax County

10. Date Spudded 8/20/89 11. Date T.D. Reached 8/25/89 12. Date Compl. (Ready to Prod.) 9/25/89 13. Elevations (DF & RKB, RT, GR, etc.) 8131 GR 14. Elev. Casinghead 8133

15. Total Depth 2720 16. Plug Back T.D. 2636 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools 0-2720 Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 2246-2514 Multiple Coal Seams 20. Was Directional Survey Made Yes

21. Type Electric and Other Logs Run GR, Dual Inductin, Density, Neutron, Caliper, Drift 22. Was Well Cored No

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

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	328	12 1/4	300 sks Class G	0
5 1/2	17	2682	7 7/8	425 sks Silicalite	0

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 7/8	2593
						PACKER SET
						NA

26. Perforation record (interval, size, and number)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
1-1/2" SPF	2-1/2" SPF	1-1/2" SPF	2-1/2" SPF	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2509-14	2504-07	2315-21	2327-30	2444-2514	150,000 lbs sand
	2487-90			2246-2330	150,000 lbs sand
	2444-46		2271-73		
	2430-33		2246-50		

28. PRODUCTION
Date First Production 9/25/89 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping 2 1/2x2/12" THD Well Status (Prod. or Shut-in) Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
11/1/89	24	NA		0	195	70	NA
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
NA	35		0	195	70	NA	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Flarred Test Witnessed By

30. List Attachments Coal summary attached.
Mud and electric logs previously submitted.

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature [Signature] Printed Name L. D. Williamson Title Operations Supt. Date 11/2/89

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

OIL CONSERVATION DIVISION
P.O. Box 2038
Santa Fe, New Mexico 87504-2038

WELL API NO. 30-007-20098
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

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

1. Type of Well: OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator Pennzoil Exploaration and Production Company

3. Address of Operator P.O. Box 2967, Houston, TX 77252
--

4. Well Location Unit Letter <u>F</u> : <u>2376</u> Feet From The <u>North</u> Line and <u>1465</u> Feet From The <u>West</u> Line Section <u>35</u> Township <u>30N</u> Range <u>18E</u> NMPM <u>Colfax</u> County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 8131 GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☒
OTHER: ☐	PLUG AND ABANDONMENT ☐
	CASING TEST AND CEMENT JOB ☒
	OTHER: Drilling completed ☒

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

8/20/89 Spud
8/21/89 Drill 12 1/4" hole to 363'. Set and cement 12 jts (328') 8 5/8", 24 lb. J-55, ST&C casing w/300 sks class G w/2% CaCl @ 15.8 ppg. Plug-down w/500 psi Cement to surface.
8/22/89 Test BOP and casing w/600 psi for 30 mins. No pressure drop.
8/25/89 Drill 7 7/8" hole to 2720'. Log
8/26/89 Set and cement 72 jts (2681.48') 5 1/2", 17 lb. J-55, ST&C casing w/425 sks silicalite @ 11 ppg. Plug down w/1000 psi. Cement to surface. Waiting on completion.

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

SIGNATURE L. D. Williamson TITLE Operations Superintendent DATE 9/6/89

TYPE OR PRINT NAME L. D. Williamson TELEPHONE NO. 505-376-2817

(This space for State Use)

APPROVED BY R. E. Johnson DISTRICT SUPERVISOR DATE 9-5-89

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 3 copies

State of New Mexico
Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

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

OIL CONSERVATION DIVISION
RECEIVED P.O. Box 2088
Santa Fe, New Mexico 87504-2088

JUL 03 1989

API NO. (Assigned by OCD on New Wells)

30-007-20098

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER Coal Methane

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

7. Lease Name or Unit Agreement Name

Valdez Canyon
3018

2. Name of Operator

Pennzoil Exploration and Production Company

8. Well No.

351F

3. Address of Operator

P.O. Box 2967, Houston, TX 77252-2967

9. Pool name or Wildcat

Wildcat

4. Well Location

Unit Letter F : 2376 Feet From The North Line and 1465 Feet From The West Line

Section 35

Township

30N

Range

18E

NMPM

Colfax

County

10. Proposed Depth

2300'

11. Formation

Vermejo

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

8131 GR

14. Kind & Status Plug. Bond

Blanket

15. Drilling Contractor

Finley

16. Approx. Date Work will start

7/15/89

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-3/4	8-5/8	24	350	175	Surface
7-7/8	5-1/2	17	2300	450	Surface

1. Drill 12-3/4" hole to 350' with air.
2. Set 8-5/8" casing and cement to surface.
3. Drill 7-7/8" hole to TD.
4. Set 5-1/2" casing to 2300' and cement to surface.
5. The well will be completed by perforation in U&L Vermejo with 2-7/8" tubing.

AT LEAST TEN FOOT INTERVALS

APPROVED BY 90
DATE 9-27-89
C. VESCH DRILLING UNDERWAY

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

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

SIGNATURE

TITLE

Project Manager

DATE

7/13/

TYPE OR PRINT NAME

R. D. Osterhout

TELEPHONE NO 546-4774

(This space for State Use)

APPROVED BY

TITLE

DATE

4-27-89

CONDITIONS OF APPROVAL IF ANY

NSL MUST BE APPROVED PRIOR TO PRODUCTION

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section

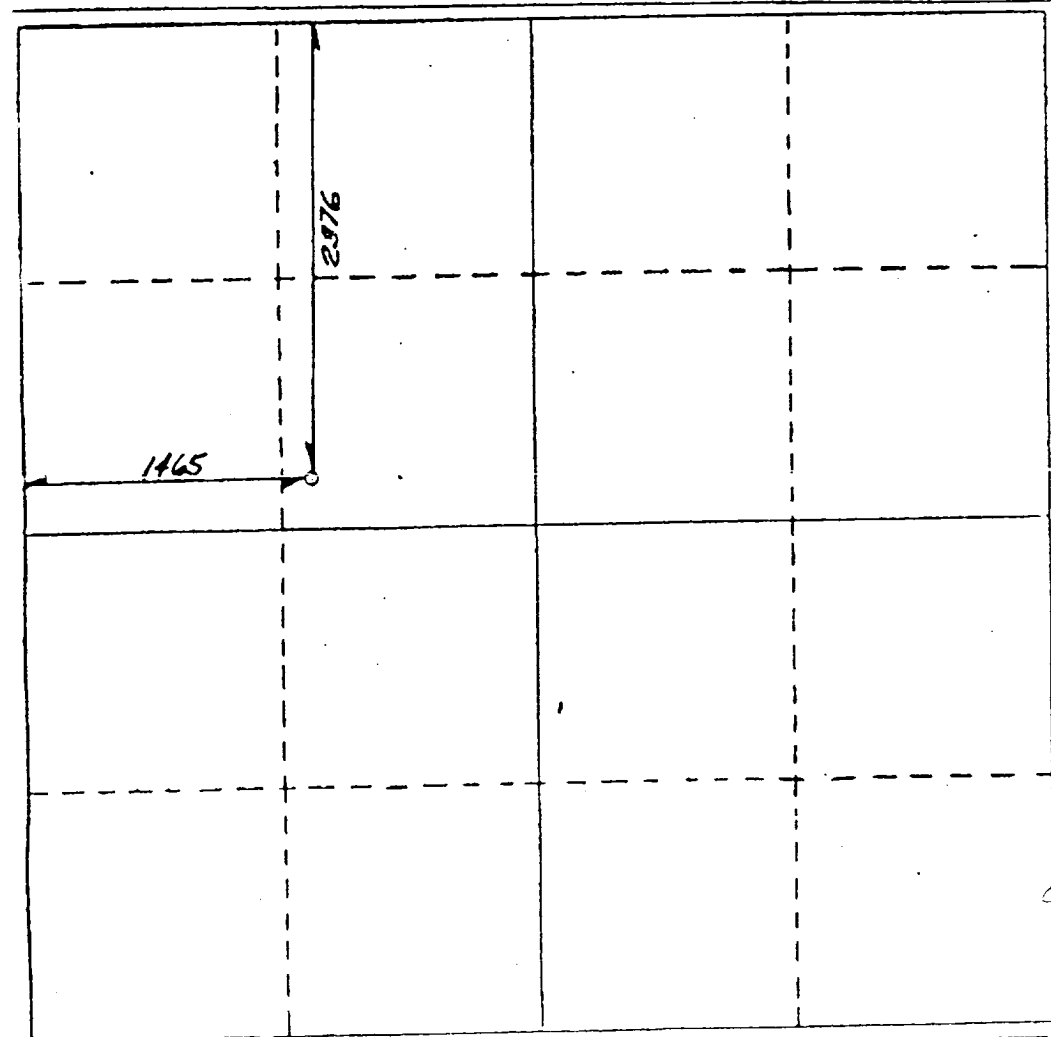
Operator Pennzoil Exploration and Production Company		Lease Valdez Canyon		Well No. 351 F
Well Letter F	Section 35	Township T30N	Range R18E	County COLFAX
Actual Footage Location of Well: 2376 feet from the NORTH line and 1465 feet from the WEST line				
Ground Level Elev. 8131	Producing Formation Vermejo	Pool	Dedicated Acreage: 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

Name
R. D. Osterhout

Position
Project Manager

Company
PEPCO

Date
June 21, 1989

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.

JUNE 21 1989
Date

Registered Professional Engineer
and/or Land Surveyor

5763
NEW MEXICO
N.M. STATE ENGINEER
E. SHIELDS

