

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 - 007-20084
³ Property Code 2440 25180	⁵ Property Name Vermejo Park Ranch	⁶ Well No. VPR B-10 (Formerly Van Bremmer A)

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
K	32	30N	19E		1867'	FSL	1696	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 2 G	¹³ Cable/Rotary Completion Rig	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 7641' (GL)
¹⁶ Multiple Yes No	¹⁷ Proposed Depth 2125'	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
11"	8 5/8"	24#	330'	227 sx.	
7 7/8"	5 1/2	17#	2085'	304 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 1914' & 1515'. Reverse circulate clean with fresh or clean produced water to PBTD at 2055'.
- 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.		OIL CONSERVATION DIVISION	
Signature: <i>DR Lankford</i>		Approved by: <i>Ry E. Johnson</i>	
Printed name: Donald R. Lankford		Title: DISTRICT SUPERVISOR	
Title: Senior Petroleum Engineer		Approval Date: 12/28/99	Expiration Date: 12/28/00
Date: 12/20/99	Phone: (505) 445-4620	Conditions of Approval: Attached <input type="checkbox"/>	

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 1930, 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 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-007020084
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Van Bremmer Canyon 3019
8. Well No. 321-K
9. Pool name or Wildcat Wildcat

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Coal Methan?	
2. Name of Operator Pennzoil Exploration & Production Company	
3. Address of Operator P.O. Box 2967, Houston, TX 77252	
4. Well Location Unit Letter <u>K</u> : <u>1996</u> Feet From The <u>West</u> Line and <u>1867</u> Feet From The <u>South</u> Line Section <u>32</u> Township <u>30N</u> Range <u>19E</u> NMPM <u>Colfax</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 7641 GR	

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.

7/29/91 Start of work.

1. Pull rods and tubing.
2. Set CIBP @ 1914' and place 2 sks (18') class A cement @ 15.6 ppg on plug.
3. Set CIBP 1515' and place 12 sks (108') class A cement @ 15.6 ppg on plug. Fill to surface w/38 barrels gel mud @ 9.2 ppg.
4. Place 5 sks (50') surface plug w/class A cement @ 15.6 ppg.
5. Place well marker, fill pits, remove junk and debris from location. Site to be used for equipment storage.
6. Casing left in hole: 43' of 11 3/4", 42 lb/ft set @ 43'.
330' of 8 5/8", 24 lb/ft set @ 330'
2085' of 5 1/2", 17 lb/ft set @ 2085'
7. All work completed 7/29/91

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 8/8/91
TYPE OR PRINT NAME L. D. Williamson TELEPHONE NO. 376-2817

(This space for State Use)

APPROVED BY Ry E. Johnson TITLE DISTRICT SUPERVISOR DATE 8-15-91

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 Brazos Rd., Aztec, NM 87410

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

WELL API NO.
30-007-20084

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 Coal Methane

2. Name of Operator
Pennzoil Exploration & Production Company

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

7. Lease Name or Unit Agreement Name
Van Bremmer Canyon 3019

8. Well No.
321-K

9. Pool name or Wildcat
Wildcat

4. Well Location
Unit Letter K : 1996 Feet From The West Line and 1867 Feet From The South Line

Section 32 Township 30N Range 19E NMPM Colfax County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
7641 GR

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.

7/22/91 Estimated start of work.

1. Remove surface equipment, pull rods and tubing.
2. Set CIBP @ 1915' and place 2 sks (18') class A cement @ 15.6 ppg on plug.
3. Set CIBP @ 1735' and place 12 sks (108') class A cement @ 15.6 ppg on plug. Fill to surface with gel mud.
4. Place 6 sks (50') surface plug with class A cement @ 15.6 ppg.
5. Place well marker, fill pits, remove junk and debris from location site to be used for equipment storage.

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 7/9/91

TYPE OR PRINT NAME L. D. Williamson

TELEPHONE NO. 505-376-2

(This space for State Use)

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

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.

30-007-20084

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

Van Bremner Canyon
3019

8. Well No.

321-K

9. Pool name or Wildcat

Wildcat

4. Well Location

Unit Letter K : 1696 Feet From The West Line and 1867 Feet From The South Line

Section 32 Township 30N Range 19E NMPM Colfax County

10. Date Spudded

5/29/89

11. Date T.D. Reached

6/10/89

12. Date Compl. (Ready to Prod.)

8/18/89

13. Elevations (DF & RKB, RT, GR, etc.)

7641 GR

14. Elev. Casinghead

7642

15. Total Depth

2125

16. Plug Back T.D.

2055

17. If Multiple Compl. How
Many Zones?

6

18. Intervals
Drilled By

Rotary Tools
0-2125

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

1962-67, 1936-41, 1926-29, 1837040, 1811-13, 1746-53 Coal Seams

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run

GR, Dual Induction, Density, Caliper, Neutron, Directional

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
11 3/4	42	43	14 3/4	60 sks Class G	0
8 5/8	24	330	11	227 sks Class G	0
5 1/2	17	2085	7 7/8	304 Sks Silicalite	0

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	1967	NA

25. TUBING RECORD

26. Perforation record (interval, size, and number)

1962-67 1811-13 4-1/2" SPF
1936-41 1746-53
1926-29
1837-40

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

1926-67 218,000 lbs. sand

1746-1840 227,000 lbs. sand

28. PRODUCTION

Date First Production

8/18/89

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

4/4/89

Hours Tested

24

Choke Size

NA

Prod'n For
Test Period

0

Oil - Bbl.

0

Gas - MCF

160

Water - Bbl.

95

Gas - Oil Ratio

NA

Flow Tubing Press.

NA

Casing Pressure

45 psi

Calculated 24-
Hour Rate

0

Oil - Bbl.

Gas - MCF

160

Water - Bbl.

95

Oil Gravity - API - (Corr.)

NA

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Flared

Test Witnessed By

Larry Casey

30. List Attachments Coal summary attached

Electric Logs and mud log 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

L. D. Williamson

Printed
Name

L. D. Williamson

Title Operations Supt.

Date 9/6/89

RECEIVED

JUL 1 1989

Form C-103
Revised 1-1-89State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

WESTERN DIVISION

WELL API NO.
30-007-200845. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
Van Bremmer Canyon
30198. Well No.
321K9. Pool name or Wildcat
Wildcat

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 Methane2. Name of Operator
Pennzoil Exploration and Production Company3. Address of Operator
P.O. Box 2967 Houston, TX 772524. Well Location
Unit Letter K : 1696 Feet From The west Line and 1867 Feet From The south Line
Section 32 Township 30N Range 19E NMPM Colfax County10. Elevation (Show whether DF, RKB, RT, GR, etc.)
7641 GR11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: Completed drilling <input checked="" type="checkbox"/>	

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.

5-29-89 Spud, drill 14 3/4" hole to 43'. Set and cement 2 jts (43') of 11 3/4", 43 lb/ft, H-40, ST&C conductor w/60 sks class G w/3% CaCl W.O.C. 4 hrs. Drill 11" hole to 106'.

5-30-89 Drill 11" hole to 335'. Set and cement 12 jts (330') 8 5/8", 24 lb, J-55, ST&C casing w/227 sks class G w/2% CaCl @ 15.8 PPG. Bump plug w/500 psi @ 1530. Cement to surface.

6-8-89 Test casing and BOP w/600 psi for 30 mins. No pressure drop.

6-10-89 Drill 7 7/8" hole to 2125 TD and LOG.

6-11-89 Run and cement 79 jts (2085') 5 1/2", 17 lb. J-55, LT&C w/304 sks, class B silicalite cement @ 11 ppg. returns to surface. Bump plug w/1000 psi. Well shut in waiting on completion.

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

SIGNATURE Larry D. Williamson TITLE OPERATIONS Supt DATE 6-29-89TYPE OR PRINT NAME LARRY D. WILLIAMSON TELEPHONE NO. 505-376-2517

(This space for State Use)

APPROVED BY [Signature] DISTRICT SUPERVISOR DATE 7-14-89

CONDITIONS OF APPROVAL, IF ANY:

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

(A)

State of New Mexico
Geology, 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

MAY 18 1989

API NO. (assigned by OCD on New Wells)

30-007-20084

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

Van Bremmer Canyon
3019

2. Name of Operator

Pennzoil Exploration and Production Company

8. Well No.

321K

3. Address of Operator

P.O. Box 2967, Houston, TX 77252

9. Pool name or Wildcat

4. Well Location

Unit Letter K : 1696 Feet From The west

Line and 1867

Feet From The south

Line

Section 32

Township 30N

Range 19E

NMPM

Colfax

County

10. Proposed Depth

2300'

11. Formation

Vermejo

12. Rotary or C.T.

Rotary

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

7641 GR

14. Kind & Status Plug. Bond

blanket

15. Drilling Contractor

16. Approx. Date Work will start

May 15, 1989

17. PROPOSED CASING AND CEMENT PROGRAM

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

1. Drill 12-1/4" 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.

APPROVAL VALID FOR 90 DAYS
8-15-89
UNLESS OTHERWISE SPECIFIED

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

[Signature]

TITLE

Project Manager

DATE 5/1/89

(713)

TYPE OR PRINT NAME

R.D. Osterhout

TELEPHONE NO. 546-4774

(This space for State Use)

APPROVED BY

[Signature]

TITLE

DISTRICT SUPERVISOR

DATE

5-15-89

CONDITIONS OF APPROVAL, IF ANY.

cc: Jimmy Smith

22 A

NE TEXAS OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

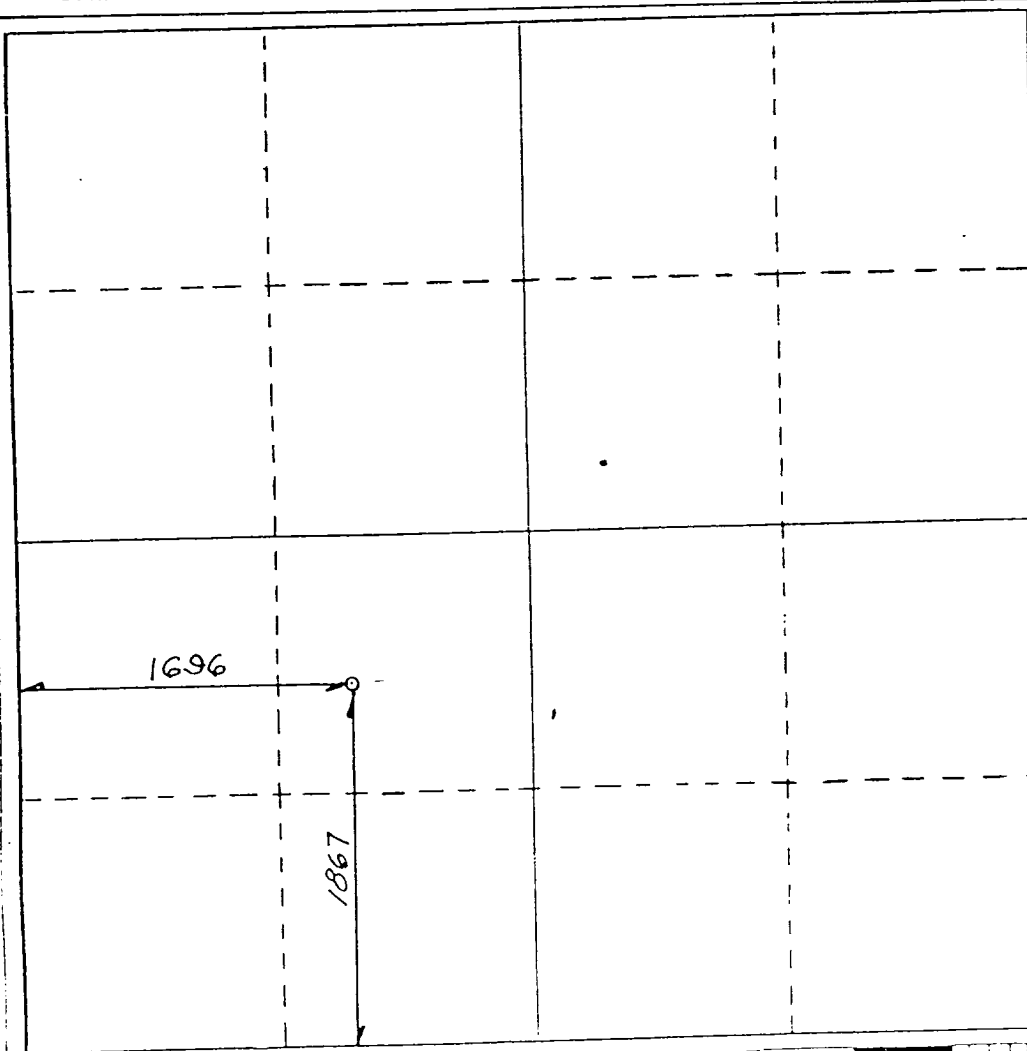
Operator Pennzoil Exploration & Production Co.		Lease Van Bremmer Canyon		Well No. 321K
Unit Letter K	Section 32	Township T30N	Range R19E	County COLFAX
Actual Footage Location of Well:				
1696 feet from the WEST line and		1867 feet from the SOUTH line		
Ground Level Elev. 7641	Producing Formation Vermejo	Pool	Dedicated Acreage: Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

[Signature]
Name

R. D. Osterhout

Position

Project Manager

Company

PEPCO

Date

May 8, 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.

APPROVED 25 MAY 1989

Date of Review

Registered Professional Engineer
or Licensed Land Surveyor

N. L. 125 MEXICO
Certified by: SWIELD 5103