

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

Form C-101
Revised March 17, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

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 24678 25180	³ 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 3 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.

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 E Johnson*

Title: **DISTRICT SUPERVISOR**

Approval Date: *12/28/99*

Expiration Date: *12/28/00*

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 1930, Hobbs, NM 88240

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

WELL API NO.
30-007020084

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.)

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

1. Type of Well:
OIL WELL GAS WELL OTHER Coal Methan?

2. Name of Operator
Pennzoil Exploration & Production Company

8. Well No.
321-K

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

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.

7/29/91 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 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

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 Brizos Rd., Aztec, NM 87410

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.)

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

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

8. Well No.
321-K

2. Name of Operator
Pennzoil Exploration & Production Company

9. Pool name or Wildcat
Wildcat

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

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
TEMPORARILY ABANDON
PULL OR ALTER CASING
OTHER:

PLUG AND ABANDON
CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK
COMMENCE DRILLING OPNS.
CASING TEST AND CEMENT JOB
OTHER:

ALTERING CASING
PLUG AND ABANDONMENT

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 [Signature] 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

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-105
 Revised 1-1-89

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

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

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

2. Name of Operator
Pennzoil Exploration and Production Company

8. Well No.
321-K

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

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				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	1967	NA

26. Perforation record (interval, size, and number)			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1962-67	1811-13	4-1/2" SPF	1926-67	218,000 lbs. sand
1936-41	1746-53		1746-1840	227,000 lbs. sand
1926-29				
1837-40				

28. PRODUCTION

Date First Production <u>8/18/89</u>		Production Method (Flowing, gas lift, pumping - Size and type pump) <u>Pumping 2 1/2x2/12' THD</u>				Well Status (Prod. or Shut-in) <u>Producing</u>	
Date of Test <u>4/4/89</u>	Hours Tested <u>24</u>	Choke Size <u>NA</u>	Prod'n For Test Period	Oil - Bbl. <u>0</u>	Gas - MCF <u>160</u>	Water - Bbl. <u>95</u>	Gas - Oil Ratio <u>NA</u>
Flow Tubing Press. <u>NA</u>	Casing Pressure <u>45 psi</u>	Calculated 24-Hour Rate	Oil - Bbl. <u>0</u>	Gas - MCF <u>160</u>	Water - Bbl. <u>95</u>	Oil Gravity - API - (Corr.) <u>NA</u>	

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 1-1-89

State 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.
30-007-20084

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.

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

8. Well No.
321K

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 GAS WELL OTHER Coal Methane

2. Name of Operator
Pennzoil Exploration and Production Company

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

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. 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:		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 6-29-89

TYPE OR PRINT NAME LARRY D. WILLIAMSON TELEPHONE NO. 505-376-2517

(This space for State Use)
APPROVED BY [Signature] TITLE 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
 Geological 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.

WESTERN DIVISION
 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

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 Bremmer Canyon
 3019

8. Well No.
 321K

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
 DATE 5-15-89
 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)
 TELEPHONE NO. 546-4774

TYPE OR PRINT NAME R.D. Osterhout

(This space for State Use)
 APPROVED BY [Signature] TITLE DISTRICT SUPERVISOR DATE 5-15-89
 CONDITIONS OF APPROVAL, IF ANY.

cc: Jimmy Smith

2L 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

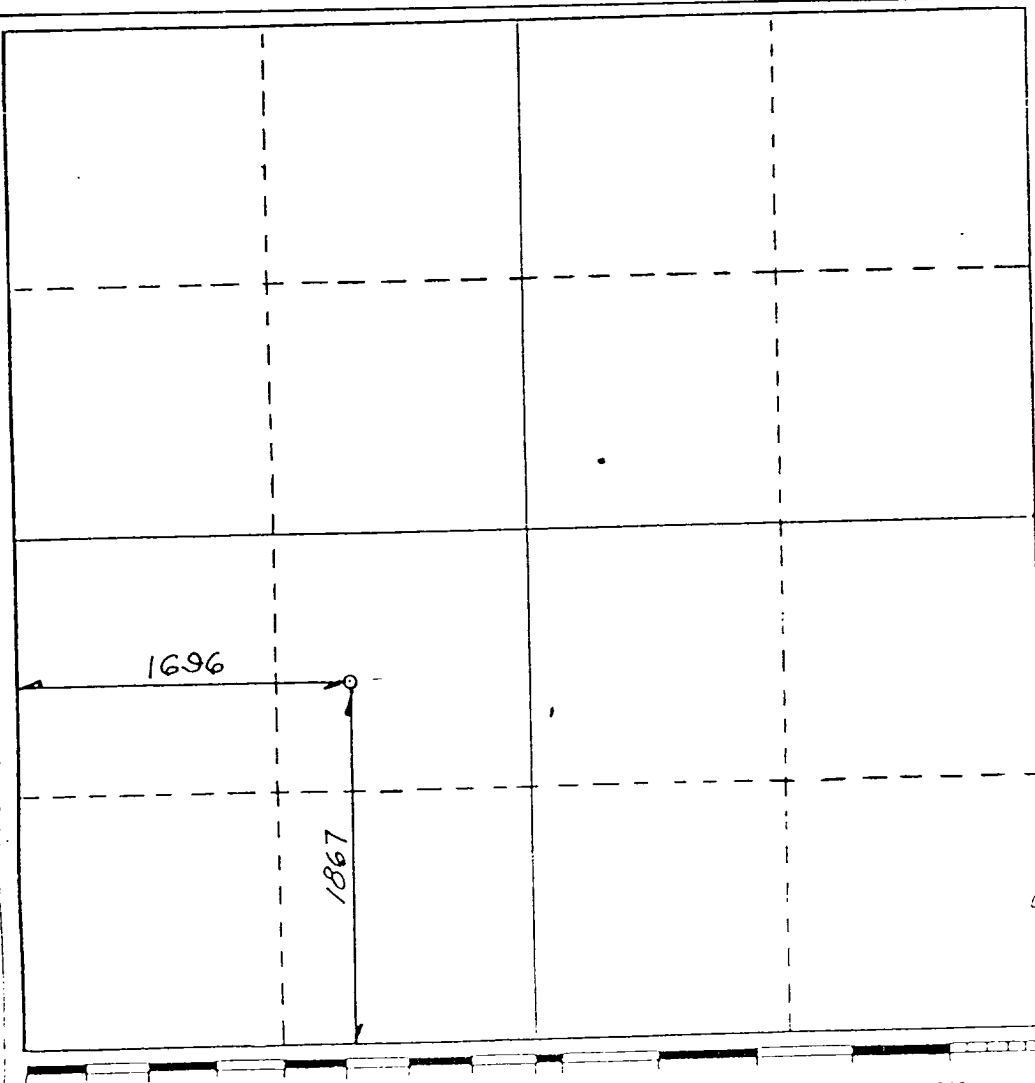
Operator Pennzoil Exploration & Production Co.		Lease Van Bremmer Canyon		Well No. 321K
Unit Letter K	Section 32	Township T30N	Range R19E	County COLFAX
Actual Footage Location of Well:				
1696 feet from the WEST line and		1867 feet from the SOUTH line		
Ground Level Elev. 7641	Producing Formation Vermejo	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 27 MAY 1989

Date of Survey
Registered Professional Engineer
or Land Surveyor

5103
NEW MEXICO
N. D. S. NO. 5103
Certified by SWIELD