

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 - 007-20085
³ Property Code 25180	⁵ Property Name Vermejo Park Ranch	⁶ Well No. VPR B-14 (Formerly Van Bremmer G)

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
G	31	30N	19E		2193'	FNL	1633'	FEL	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 G	¹³ Cable/Rotary Completion Rig	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 7692' (GL)
¹⁶ Multiple No	¹⁷ Proposed Depth 2200'	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#	327'	300 sx.	
7 7/8"	5 1/2	17#	2174.5'	462 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 1/4" bit on 2 7/8" tubing.
- Drill out surface plug 0' to 50' and CIBP's at 1788' & 1385'. Reverse circulate clean with fresh or clean produced water to PBTD at 2144'.
- 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

Approved by: *[Signature]*

Title: **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 1960, 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. 30-007-20085
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. 311-G
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 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 <u>G</u> : <u>1633</u> Feet From The <u>East</u> Line and <u>2193</u> Feet From The <u>North</u> Line Section <u>31</u> Township <u>30N</u> Range <u>19E</u> NMPM <u>Colfax</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 7692 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.

8/1/91 Start of workd.

1. Remove surface equipment, pull rods and tubing.
2. Set CIBP @ 1788' w/2 sks (18') class A @ 15.6 ppg on plug.
3. Set CIBP @ 1385' w/12 sks (108') class A @ 15.6 ppg. Fill to surface w/35 barrels gel mud @ 9.4 ppg.
4. Place 6 sks (50') surface plug w/class A @ 15.6 ppg.
5. Place well marker, fill pits, remove junk and debris from location. Site may be used for storage.
6. Casing left in well: 43' of 11 3/4", 42 lb/ft set @ 43'
327' of 8 5/8", 24 lb/ft set @ 327'
2174.5' of 5 1/2", 17 lb/ft set @ 2174.5'.
7. All work completed 8/2/91

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

SIGNATURE [Signature] 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 [Signature] 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.
30-007-20085

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
Ban Bremmer Canyon 3019

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

8. Well No.
311-G

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 : Feet From The Line and Feet From The

Section Township Range NMPM County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
7692 GR

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒ REMEDIAL WORK ☐ ALTERING CASING ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐ CASING TEST AND CEMENT JOB ☐
OTHER: ☐ 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.

7/26/91

1. Remove surface equipment, pull rods and tubing.
2. Set CIBP @ 1780' with 2 sks (18') class A @ 15.6 ppg on plug.
3. Set CIBP @ 1385' 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. Site may be used for 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 7/09/91

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 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

Form C-105
Revised 1-1-89

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

WELL API NO.
30-007-20085
5. Indicate Type of Lease
STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG				
1a. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <u>Coal Methane</u>	7. Lease Name or Unit Agreement Name Van Bremmer Canyon 3019			
b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER <input type="checkbox"/>	8. Well No. 311-G			
2. Name of Operator Pennzoil Exploration and Production Company	9. Pool name or Wildcat Wildcat			
3. Address of Operator P.O. Box 2967, Houston, TX 77252				
4. Well Location Unit Letter <u>G</u> : <u>1633</u> Feet From The <u>East</u> Line and <u>2193</u> Feet From The <u>North</u> Line Section <u>31</u> Township <u>30N</u> Range <u>19E</u> NMPM <u>Colfax</u> County				
10. Date Spudded 6/1/89	11. Date T.D. Reached 6/25/89	12. Date Compl. (Ready to Prod.) 8/19/89	13. Elevations (DF& RKB, RT, GR, etc.) 7692 GR	14. Elev. Casinghead 7693
15. Total Depth 2200	16. Plug Back T.D. 2144	17. If Multiple Compl. How Many Zones? 12	18. Intervals Drilled By Rotary Tools 0-2200	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 1406-1974 Multiple Coal Seams				20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run GR, Dual Induction, Density, Neutron, Caliper, Drift				22. Was Well Cored Yes

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	327	11	300 sks Class G	0
5 1/2	17	2174.5	7 7/8	462 sks Class G	0

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	2035	NA
26. Perforation record (interval, size, and number)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.			
1970-74 4-1/2" SPF	1597-99 2-1/2" SPF	1471-74	DEPTH INTERVAL				AMOUNT AND KIND MATERIAL USED
1959-62 "	1536-38 "	1406-08	1800-1974				200,000 lbs. sand
1898-1900 "	1525-27 "		1406-1599				205,000 lbs. sand
1812-14 "	1494-96 "						
1898-1900 "	1482-84 "						

28. PRODUCTION							
Date First Production 8/19/89		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping 2 1/2x2x12 THD				Well Status (Prod. or Shut-in) Producing	
Date of Test 9/4/89	Hours Tested 24	Choke Size NA	Prod'n For Test Period	Oil - Bbl. 0	Gas - MCF 33	Water - Bbl. 134	Gas - Oil Ratio NA
Flow Tubing Press. NA	Casing Pressure 40	Calculated 24-Hour Rate	Oil - Bbl. 0	Gas - MCF 33	Water - Bbl. 134	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 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 <u>L. D. Williamson</u>	Printed Name <u>L. D. Williamson</u> Title <u>Operations Supt.</u> Date <u>9/6/89</u>

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED

JUL 17 1989

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 2088
Santa Fe, New Mexico 87504-2088

WESTERN DIVISION

WELL NO.
30-007-20085

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 and Production Company

3. Address of Operator

P.O. Box 2967, Houston, TX 77252

8. Well No.

311G

9. Pool name or Wildcat

Wildcat

4. Well Location

Unit Letter G : 1633 Feet From The east Line and 2193 Feet From The north Line

Section 31

Township 30N

Range 19E

NMPM

Colfax

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
7692 GR

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

COMMENCE DRILLING OPNS. ☒

PLUG AND ABANDONMENT ☐

PULL OR ALTER CASING ☐

CASING TEST AND CEMENT JOB ☒

OTHER: ☐

OTHER: Completed drilling ☒

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.

6-01-89 Spud

6-02-89 Drilled 14 3/4" hole to 44'. Set and cement 2 jts (43'), 11 3/4", 42 lb, H-40, ST&C conductor w/60 sks, class "G" w/2% CaCl @ 15.8 PPG. Cement to surface.

6-04-89 Drilled 11" hole to 333'. Set and cement 12 jts (327') 8 5/8", 24 lb, J-55, ST&C w/300sks, class "G" w/2% CaCl @ 15.8 PPG cement to surface.

6-18-89 Test casing and BOP w/600 psi for 30 min. No pressure drop.

6-21-89 Drill to 1675' on air. Switch to mud, 7 7/8 hole.

6-23-89 Drill to 2018' on mud, 7 7/8" hole.

6-24-89 Cored 2018' to 2042'.

6-25-89 Drill 7 7/8" hole to 2200'.

6-26-89 Set and cement 81 jts (2174.54') 5 1/2" 17 lbs, J-55, LT&C casing w/462 sks silicalite cement @ 11 PPG. Cement 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 L.D. Williamson TITLE OPERATIONS Supt

DATE 6-29-89

TYPE OR PRINT NAME LARRY D. WILLIAMSON

TELEPHONE NO. 505-376-2817

(This space for State Use)

APPROVED BY R. E. [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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

RECEIVED

MAY 18 1989

API NO. (assigned by OCD on New Wells) <u>30-007-20085</u>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK WESTERN DIVISION					
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			7. Lease Name or Unit Agreement Name Van Bremmer Canyon 3019		
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Coal Methane <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. Well No. 311G		
2. Name of Operator Pennzoil Exploration and Production Company			9. Pool name or Wildcat		
3. Address of Operator P.O. Box 2967, Houston, TX 77252					
4. Well Location Unit Letter <u>G</u> : <u>1633</u> Feet From The <u>east</u> Line and <u>2193</u> Feet From The <u>north</u> Line Section <u>31</u> Township <u>30N</u> Range <u>19E</u> NMPM Colfax County					
10. Proposed Depth 2300'		11. Formation Vermejo		12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 7692 GR		14. Kind & Status Plug Bond blanket		15. Drilling Contractor	
				16. Approx. Date Work will start June 10, 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.

PLEASE PRINT NAME AND ADDRESS OF
PERSON TO WHOM THIS PERMIT IS ISSUED
AT AT LEAST TEN FOOT INTERVALS

APPROXIMATE WAIT FOR 90 DAYS
PERMIT IS 8-15-89
UNLESS 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 [Signature] TITLE Project Manager DATE 5/1/89
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:

No allowable will be given until NSL has been approved.

cc: Jimmy Smith

WELL 9

N. M. 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

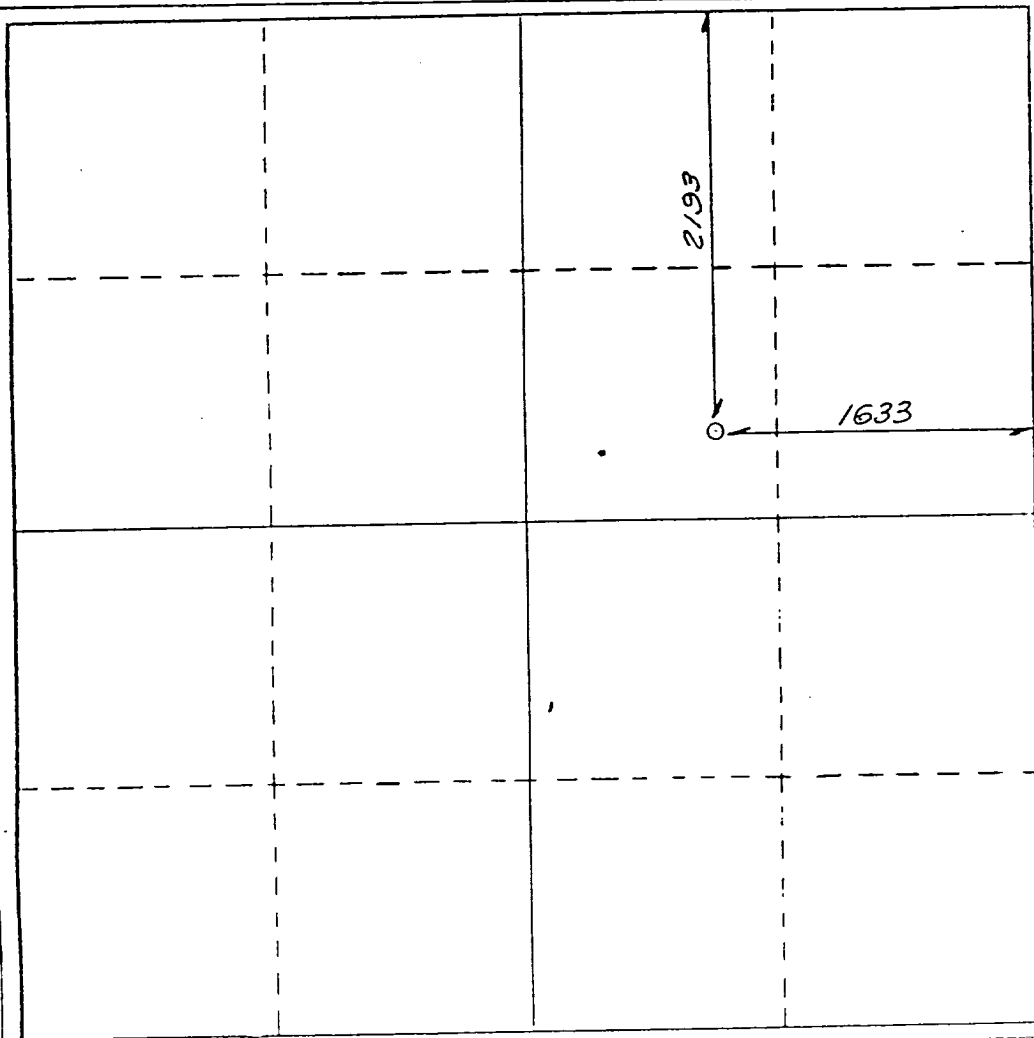
Operator Pennzoil Exploration & Production Co.			Lease Van Bremner Canyon		Well No. 311G
Unit Letter G	Section 31	Township T30N	Range R19E	County COLFAX	
Actual Footage Location of Well: 1633 feet from the EAST line and 2193 feet from the NORTH line					
Ground Level Elev. 7692	Producing Formation Vermejo		Pool	Dedicated Acreage: 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.

[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 MAY 1989

Date
Registered Professional Engineer
and/or Land Surveyor
5408

N. M. OIL CONSERVATION COMMISSION
Certified by E. SHIELDS