



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

R-9240

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX X

Gentlemen:

I have examined the application for the:

Gary L. Bennett *Caral cade 2/ lease* *#4-P*
Operator Lease & Well No. Unit S-T-R *21-18-32*

and my recommendations are as follows:

New project - require hearing

Yours very truly,

Gerry Sexton
Gerry Sexton
Supervisor, District 1

/ed

5-3-96 Gary Bennett called he pursue setting this
for hearing to create a 5

GARY L. BENNETT
P. O. BOX 16844
LUBBOCK, TX 79490
(806) 794-3368

April 14, 1988

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

Re: Application for Pressure Maintenance Well
NM59044 Cavalcade 21 Lease
Lea County, New Mexico

Gentlemen:

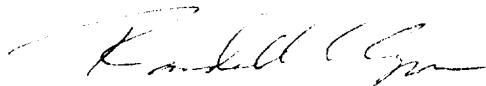
Gary L. Bennett hereby makes application to convert the Cavalcade Federal 21 No. 4 well situated 400 feet from the south line and 660 feet from the east line (unit letter "P") of Section 21, T-18-S, R-32-E, Lea County, New Mexico from an oil producer to a pressure well. This well is presently shut in due to inability to produce. If approved the well will be used for injection of water produced from the Penrose and Queen formations at a depth interval from about 4000 feet to 4300 feet. As shown on the attached diagrammatic sketch, the injection of produced water will be made into the Penrose formation in the disposal well through 2 3/8ths tubing, unlined, using a Baker, Lok-Set Packer set at 4050', at a depth interval from about 4096 to 4130 feet. Water produced from the Penrose and Queen formations is salty, it is estimated that from 10 to 400 barrels of water per day will be injected into the disposal well. The Cavalcade Federal 21 No. 4 well made small quantities of the same type water from the Penrose formation while it was operated as an oil producer.

The Penrose and Queen formations are of Permian age and are older than the triassic formation. The next higher oil & gas zone is the Queen found at a depth of 3844 feet with the next lower zone being the Grayberg at a depth of 4363 feet. Applicant has no information indicating that a fresh water well exists within one mile of the proposed injection well. The water produced from the Penrose and Queen formations is highly salty and is unfit for domestic stock, irrigation or other general use. The applicant therefore asks for administrative approval of this application without notice and hearing as an exception to Rule 701-A.

Copies of this application have been sent to all offset operators and to the surface owner.

Enclosed are three copies of this application, form C-108, diagramatic sketch, and a plat of the surrounding area. Copies of the log of the Cavalcade Federal 21 No. 4 well have been previously submitted to the commission.

Respectfully submitted by,



Randall L. Capps
for Gary L. Bennett

RLC/ksc
encl.

Copies sent to:

OFF-SETTING OPERATORS

Ingram Oil & Gas, 2828 Diamond Shamrock Tower, Dallas, TX 75225

Breck Operating Corp., POB 911, Breckenridge, TX 76024

Mewbourne Oil Co., 400 W. Illinios, Suite 1270, Midland, TX 79701

Chevron USA Inc. P. O. Box 1150, Midland, TX 79702

SURFACE OWNER

United States of America
Bureau of Land Management
POB 1857
Roswell, NM 88201

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☒ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no

II. Operator: GARY BENNETT

Address: P. O. Box 16844, Lubbock, TX 79490

Contact party: Gary Bennett Phone: 806-794-3368

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

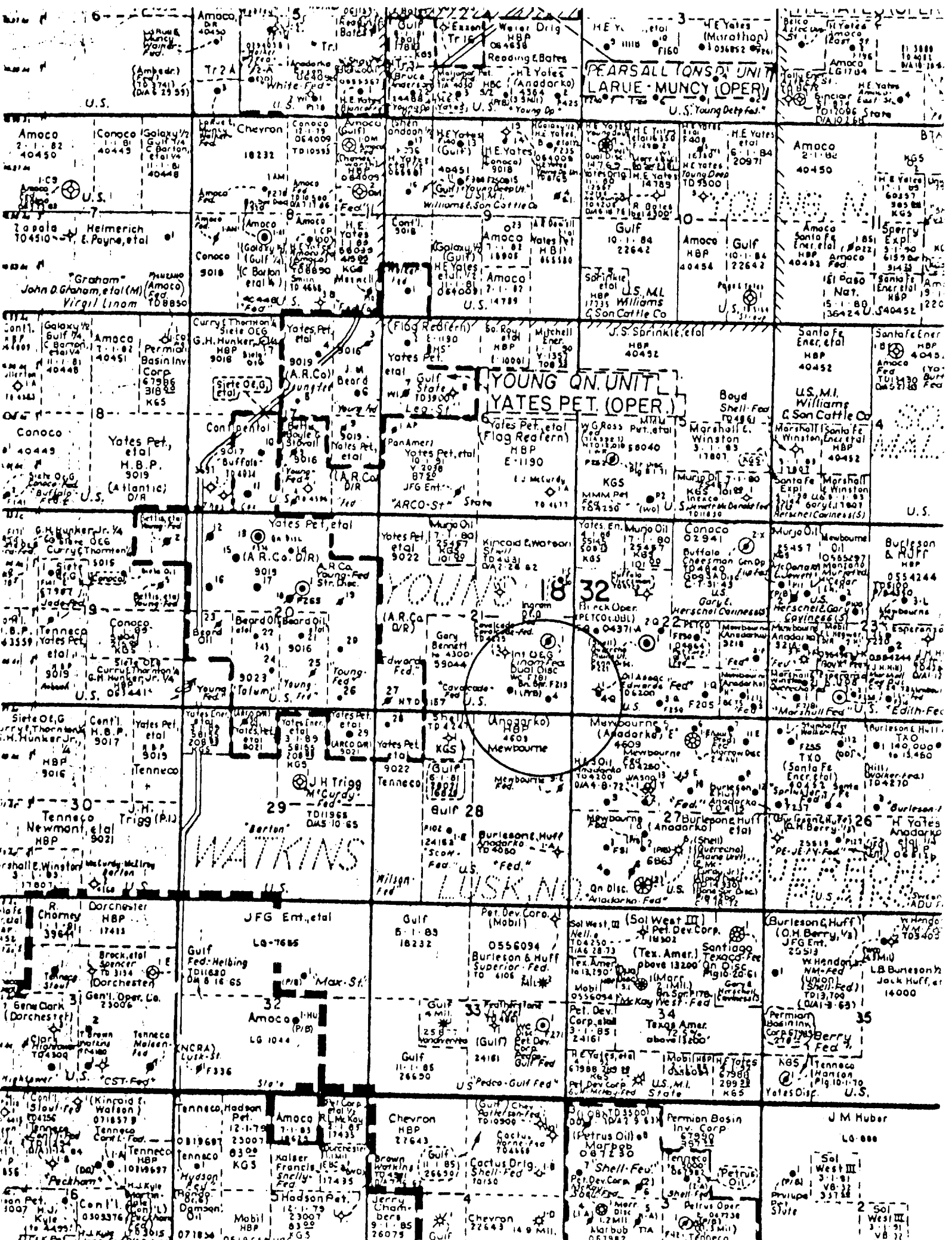
XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Randall L. Capps Title Consultant

Signature: *Randall L. Capps* Date: 4/14/88

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.



GARY BENNETT
Cavalcade Fed 21 No. 4
400' FSL & 660' FEL
Section 21, T18S, R32E
Querrecho Plains Queen Associated
Lea County, New Mexico

Proposed Pressure Maintenance Well

1. Proposed average daily rate: 10 bwpd
Proposed Maximum daily rate: 400 bwpd
2. Closed System
3. Proposed average injection pressure: 220lbs psi
Proposed maximum injection pressure: 1000lbs psi
4. Sources of injected fluid: produced water Penrose and Queen
Compatibility: will be compatible with proposed injected zone
both being "Queen Associated".
5. No stimulation proposed, well currently takes fluid on vacuum.
Pump-in tracer shows total and complete isolation of zone.
6. Logs have been previously submitted to NMOCD.

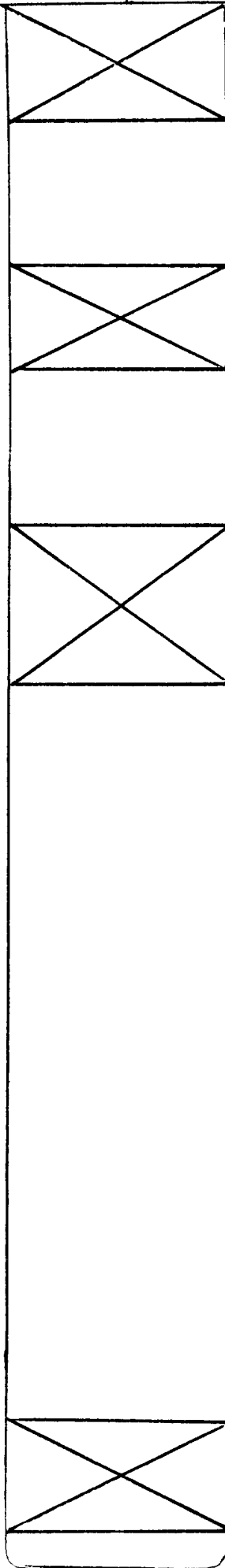
Applicant states that he has examined available geologic and engineering data and finds no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

PLUG # 4 @ surface

PLUG # 3 @ 465'
25 sx cement-top @ 365'

PLUG # 2 @ 1500'
90 sx cement-top @ 1150'

PLUG # 1 @ 4150'
40 sx cement-top @ 4000'



CAVALCADE OIL CORPORATION
Fed 21 No. 5 (D&A)
1650' FSL & 1800' FEL
Section 21, T18S, R32E
Querrecho Plains Queen Associated
Lea County, New Mexico

TD: 4225'

8-5/8" 23# CSG. set @ 420'
with 250 sx. cement

Gauge: to be monitored to show no
communication between tubing and casing

Treated water between casing and tubing

2-3/8" tubing set @ 4040'

Perforations: 4096-4130'

4-1/2" CSG 9.5# @ 4220'
1160 sx. cement circulated

Baker Packer @ 4040'

Penrose 4088'

GARY BENNETT
Cavalcade Fed 21 No. 4
400' FSL & 660' FEL
Section 21, T18S, R32E
Querrecho Plains Queen Associated
Lea County, New Mexico

TD: 4225'

GARY BENNETT
Cavalcade Fed 21 No. 4
400' FSL & 660' FEL
Section 21, T18S, R32E
Querrecho Plains Queen Associated
Lea County, New Mexico

Proposed Pressure Maintenance well

Geological Data on Injection Zone:

The zone to be injected is the Penrose formation encountered at 4088 feet to 4130 feet in the subject well, being approximately 42 feet in thickness. The Penrose is a sandstone, light grey, white, red, very fine to fine grained, consolidated, subrounded to subangular, some unconsolidated very fine, grained, fraible, traces of coarse large dolomite, very dolomitic, very anhydrite. There is no known source of drinking water underlying the proposed injected interval.

See attached for data on all wells within area of Review:

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEW MEXICO

Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		2. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEP ☐ FILL BACK ☐ DEEP TREAT ☐ OTHER ☐		3. NAME OF OPERATOR Cavalcade Oil Corporation		4. ADDRESS OF OPERATOR P. O. Box 16187, Lubbock, TX 79490		5. PERMIT NO. DATE ISSUED		6. LEASE DESIGNATION AND SERIAL NO. NM-59044		7. INDIAN, ALLOTTEE OR TRIBE NAME		8. UNIT AGREEMENT NAME		9. FARM OR LEASE NAME Cavalcade "21" Federal		10. WELL NO. 4		11. FIELD AND POOL, OR WILDCAT Querrecho Plains - Queen		12. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA Sec. 21, T18S, R32E		13. COUNTY OR PARISH Lea		14. STATE New Mexico	
15. DATE SPUDDED 10/04/85		16. DATE T.D. REACHED 10/12/85		17. DATE COMPL. (Ready to prod.) 10/20/85		18. ELEVATIONS (DV, RKB, RT, GR, ETC.) 3750.8 GL		19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 4225'		21. PLUG. BACK T.D., MD & TVD 4156'		22. IF MULTIPLE COMPLET. HOW MANY?		23. INTERVAL DRILLED BY ROTARY TOOLS CABLE TOOLS 0-4225'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4096 - 4130' (Penrose Sand)		25. WAR DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/LDT, DLI/MSFL, CBL		27. WAS WELL CORRED No			
28. CASING RECORD (Report all strings set in well)																											
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD										AMOUNT PULLED									
8 5/8"		23#		420'		12 1/4"		250 sx Class "C" w/2% CaCl ₂																			
4 1/2"		9.5#		4220'		7 7/8"		860 sx "Lite" + 300 sx Poz "C"																			
29. LINER RECORD																											
SIZE		TOP (MD)		BOTTOM (MD)		BACKS CEMENT*		SCREEN (MD)		30. TUBING RECORD										PACKER SET (MD)							
										SIZE 2 3/8"										DEPTH SET (MD) 4040'		PACKER SET (MD) 4040'					
31. PERFORATION RECORD (Interval, size and number)																											
4096-4102' - 2 SPF																											
4108-4130' - 2 SPF																											
Total 56 holes																											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																											
DEPTH INTERVAL (MD)																											
4096-4130																											
AMOUNT AND KIND OF MATERIAL USED 3000 gal NEPE Acid																											
33. PRODUCTION																											
DATE FIRST PRODUCTION 10/27/85		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) Producing																							
DATE OF TEST 10/26/85		HOURS TESTED 24		CHUNK SIZE 10/64		FROTH. FOR TEST PERIOD 7		OIL—BBL. 7		GAS—SCF. 30		WATER—BBL. 0		OIL GRAVITY-API (CORR.) 4,285/1													
FLOW. TUBING PRESS. 50#		CASKING PRESSURE 0		CALCULATED 24-HOUR RATE 7		OIL—BBL. 7		GAS—SCF. 30		WATER—BBL. 0		OIL GRAVITY-API (CORR.) 30°															
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold to Phillips Petroleum Company																											
35. LIST OF ATTACHMENTS Deviation Survey, N.M. Form C-104																											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																											
SIGNED <u>[Signature]</u> TITLE <u>Dr. & Prod. Manager</u> DATE <u>10/22/85</u>																											

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

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPL. SET*

(See other in-
structions on
reverse side)Form approved,
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐		1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐		2. NAME OF OPERATOR Petroleum Corporation of Texas		3. ADDRESS OF OPERATOR Box 911, Breckenridge, Texas 76024		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FSL & 710' FWL At top prod. interval reported below Same At total depth Same		14. PERMIT NO. DATE ISSUED 3-31-83		12. COUNTY OR PARISH Lea		13. STATE New Mexico			
15. DATE SPUDDED 4-21-83		16. DATE T.D. REACHED 4-29-83		17. DATE COMPL. (Ready to prod.) 5-25-83		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3757' GR		19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 4300'		21. PLUG BACK T.D., MD & TVD 4277'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS Yes CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4088-4130' - Lower Queen; 3846-3880' - Upper Queen										25. WAS DIRECTIONAL SURVEY MADE no		26. TYPE ELECTRIC AND OTHER LOGS RUN Litho Density		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					
8-5/8"		24		1200'		11"		700 sx. Cl. C 2%CC				-0-					
5-1/2"		15.5		4300'		7-7/8"		1300 sx. Cl. C 2%CC				-0-					
29. LINER RECORD																	
SIZE		TOP (MD)		BOTTOM (MD)		BACKS CEMENT*		SCREEN (MD)		30. TUBING RECORD		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2-3/8"		4274'					
31. PERFORATION RECORD (Interval, size and number)																	
4088-4130' (1 spf) .40																	
3846-3880' (1 spf) .40																	
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																	
DEPTH INTERVAL (MD)								AMOUNT AND KIND OF MATERIAL USED									
4088-4130'								Acidized w/5000 gal. 15% NE									
3846-3880'								Acidized w/1500 gal. 15% NE									
								Frac'd w/30,000# 20/40, 17,500#									
								10/20 sd.									
33. PRODUCTION																	
DATE FIRST PRODUCTION 5-25-83		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 1-1/2" Insert Pump								WELL STATUS (Producing or shut-in) Producing							
DATE OF TEST 6-15-83		HOURS TESTED 24 hrs.		CHOKE SIZE ----		PROD'N. FOR TEST PERIOD →		OIL—BBL. 28		GAS—MCF. 55		WATER—BBL. tr		GAS-OIL RATIO 1964			
FLOW. TUBING PRESS. -----		CASING PRESSURE 25#		CALCULATED 24-HOUR RATE →		OIL—BBL. 28		GAS—MCF. 55		WATER—BBL. tr		OIL GRAVITY-API (CORR.) 32					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold																	
35. LIST OF ATTACHMENTS Litho Density Logs																	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																	
SIGNED <i>Edison England</i>				TITLE <i>Production Clerk</i>				DATE 6-16-83									

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R365.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. PASS ☐ Other ☐	
2. NAME OF OPERATOR International Oil & Gas Corporation			
3. ADDRESS OF OPERATOR P. O. Box 427, Artesia, New Mexico			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements): At surface 660' FEL and 1980' FSL At top prod. interval reported below At total depth			
15. DATE SPUDDED 9-16-65		16. DATE T.D. REACHED 11-1-65	
17. DATE COMPLETED (Ready to prod.) 11-13-65		18. ELEVATIONS (DT, RKB, MT, OR, ETC.) 374 RKB	
19. ELEV. Casinghead 374'		20. TOTAL DEPTH, MD & TVD 11,747'	
21. PLUG, BACK, T.D. MD & TVD 10,700'		22. MULTIPLE COMPLET. MANT 10,700'	
23. INTERVALS DRILLED BY 0-11,747'		24. PRODUCING INTERVAL(S), OR THIS COMPLETION, TOP, BOTTOM, RANK, (MD AND TVD) 10,502'-10,516' 10,685'-10,712'	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray, Sonic, Latent	
27. WAS WELL CORRO Yes		28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.	
13 3/8" OB		48	
8 5/8" OB		24.33	
5 1/2" OB		17	
DEPTH SET (MD)		HOLE SIZE	
753'		17 1/2"	
3465'		11 1/2"	
10767'		7 7/8"	
CEMENTING RECORD		AMOUNT PULLED	
575 cu. cils to 2400		0	
1700 cu. cils to 1400		0	
400 cu. T/Cm. 2300'		0	
29. LINER RECORD		30. TUBING RECORD	
SIZE		DEPTH SET (MD)	
2 1/8" OB		10,550'	
2 1/8" OB		10,460'	
31. EXPANSION RECORD (Interval, size, and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
10,502'-10,516', 15 jet shots		DEPTH INTERVAL (MD)	
10,685'-10,712', 28 jet shots		10,502'-10,516'	
		2800 gal. CRA Acid	
		10,685'-10,712'	
		5200 gal. CRA Acid	
33. PRODUCTION			
DATE FIRST PRODUCTION 11-13-65		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow	
WELL STATUS (Producing or shut-in) Producing		DATE OF TEST 11-14-65	
MOUNT TESTED 9		CHOKE SIZE 1"	
PROD'N FOR TEST PERIOD 293.39		OIL—BSL. 283.1	
GAS—MCF. 0		WATER—BSL. 0	
OIL GRAVITY API (CONR.) 43.4°		FLOW, TUBING, PASSES 500	
CASING PRESSURE PKR		CALCULATED 24-HOUR RATE 784	
OIL—BSL. 754.6		GAS—MCF. 0	
WATER—BSL. 0		OIL GRAVITY API (CONR.) 43.4°	
34. DISTRIBUTION OF GAS (Sold, used for fuel, vented, etc.) Will be sold — waiting on tank battery			
35. LIST OF ATTACHMENTS GR-Sonic, LL logs (1 copy) (1 copy mailed 11-12-65)			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED C. R. Appladorn		TITLE District Superintendent	
DATE 11-15-65			

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

DEPARTMENT OF ENERGY
BUREAU OF LAND MANAGEMENT

NM-59044

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 ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Cavalcade Oil Corporation

3. ADDRESS OF OPERATOR
P.O. Box 16187, Lubbock, Texas 79490

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
1980' FSL & 660' FEL

5. PERMIT NO.

6. ELEVATIONS (Show whether of, to, or from)
3760'

7. FIELD AND POOL, OR WILDCAT
Young Wolfcamp

8. SEC. T. R. M. OR B.L. AND SURVEY OR AREA
Sec. 21, T-18-S, R-32-E

9. COUNTY OR PARISH
Lea

10. STATE
NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PELL OR ALTER CASING ☐
 FRACTURE TREAT ☐ MULTIPLE COMPLETS ☐
 SHOOT OR ACIDIZE ☐ ABANDON ☐
 REPAIR WELL ☐ CHANGE PLANS ☐
 (Other) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐
 FRACTURE TREATMENT ☐ ALTERING CASING ☐
 SHOOTING OR ACIDIZING ☐ ABANDONMENT ☐
 (Other) Reentry ☐
 (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. OPERATOR PROMISED 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.)

10/19/85 Cavalcade Oil Corporation reentered the Cavalcade "21" Federal #3 to a depth of 9900'.

Plug #1	15'	-	27'
Plug #2	504'	-	800'
Plug #3	976'	-	1046'
Plug #4	5697'	-	6026'
Plug #5	7806'	-	8072'

TD 9900'

10/21-22/85 Run cased hole logs, shut well in to evaluate completion into Bone Springs formation - scheduled for 3/1/86.

ACCEPTED FOR RECORD

FEB 20 1986

CAPISBAD, NEW MEXICO

RECEIVED

FEB 18 1986

HOBBS, NEW MEXICO

18. I, _____, certify that the foregoing is true and correct.

NAME Drilling & Production Mgr. TITLE 2/14/86

APPROVED BY _____ TITLE _____ DATE _____

CONVENTIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 Re-Entry

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Gary Bennett

3. ADDRESS OF OPERATOR

POB 16844, Lubbock, TX 79490

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface

1980' FSL & 660' FEL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

9 miles south from Maljamar, NM

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

660'

18. NO. OF ACRES IN LEASE

240

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

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

1650'

20. PROPOSED DEPTH

10,787'

21. ROTARY OR CABLE TOOLS

Reverse Pulling Unit

22. ELEVATIONS (Show whether DP, RT, GR, etc.)

3760' GR

23. APPROX. DATE WORK WILL START*

November 20, 1987

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48.0#	753'	575 sx circ to surface
11 1/2"	8 5/8"	24-32#	3465'	1700 sx circ to surface
7 7/8"	5 1/2"	17.0#	10,787'	400 sx t/cmt @ 8300'

Please refer to Cavalcade Oil Corporation permit dated 12/11/85, we propose to continue Cavalcades' operation in attempt to fully evaluate the Wolfcamp, Bone Spring and Queen formations.

All pertinent information pertaining to this APD is contained in the Cavalcade APD.

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.

24.

SIGNED



TITLE consultant

DATE 11/5/87

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side