STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

June 22, 1987

Parker & Parsley Petroleum Co.
P.O. Box 3178
Midland, TX 79702

Attention: Mike Reeves

RE: Salt Water Disposal
Flower Draw Unit Well No. 3
Sec. 3-T26S-R28E, Eddy County, New Mexico

Dear Mr. Reeves:

Per your application dated June 3, 1987, please submit a copy of the required notice to the surface owner (XIV of Form C-108) and proof of publication (XIV (1) through (4) of Form C-108).

If you should have any questions concerning this matter, please contact me.

Sincerely,

Michael E. Stogner
Engineer

MES/ag

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

Surface Date 6/18/87

FORM C-108
Revised 7-1-81

Received June 8, 1987

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. Operator: Parker & Parsley Petroleum Co.

Address: P.O. Box 3178, Midland, TX 79702

Contact party: Mike Reeves Phone: 915 683-4768

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: J. Michael Reeves Title Production Engineer

Signature: J Michael Reeves Date: 6-3-87

* 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. _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;

(3) the formation name and depth with expected maximum injection rates and pressures; and

(4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

FLOWER DRAW UNIT #4

VI. Flower Draw Unit #3
Gas Well
Spudded: 6-14-84
Location: Sec. 3, T 26S, R 28E, Eddy County, New Mexico
Depth: 6500' PBTD: 6223'
Top of Pay: 2844'

VII. 1. Average: 800 bbls per day
Maximum: 1800 bbls per day

2. Closed

3. Average: 800 psi
Maximum 1250 psi

4. Delaware

5. See attachments on Flower Draw #3

IX. Proposed: 10,000 gals gelled brine carrying 18,000# sand @ 10 BPM.

X. Logs were filed under initial operator & well name of:
Aldridge et al
State #1

XI. None Available

XII. I, J. Michael Reeves have examined available geologic and engineering data & find no evidence of open faults or any other hydrologic connection between the disposal zone & any underground source of drinking water.

J. Michael Reeves
Production Engineer

FLOWER DRAW UNIT #4

VIII. Proposed disposal zone is Bell Canyon at a depth of 2560' - 2823'. Lithology is a fine - very fine grained quartz sandstone interbedded with shale. Sandstone is cemented with calcium carbonate.

The Rustler is the only aquifer overlying the proposed disposal zone. The base of the Rustler is 400'.

FLOWER DRAW UNIT #4

III A

1. Flower Draw Unit #4
   Sec. 3, T-26S, R-28E
   Unit Letter: H, 1980 FNL & 660 FEL

2. 12¼" hole, 8-5/8" csg. Set @ 300' - circulated
   7-7/8" hole, 5½" csg. Set @ 3500'

   Re-entry:

   11" hole, 8-5/8" csg. Set @ 358'. Cmt'd w/225 sx Cl "C". Tag cmt @ 58'. Cmt'd w/200 sx Cl C - Circulated 50 sx.

   7-7/8" hole, 5½" csg. Set @ 3600'. Cmt'd w/1000 sx Howco Lite. Tailed in w/200 sx 50-50 Poz A. Circulated estimated 283 sxs.

   Perfs: 2823 - 2560 (26 holes) - Delaware Bell Canyon

3. 2-3/8", 4.7#, J-55, EUE 8rd set @ 2500'.

4. Otis Perma-Latch - 2500'

B.

1. Upper Delaware

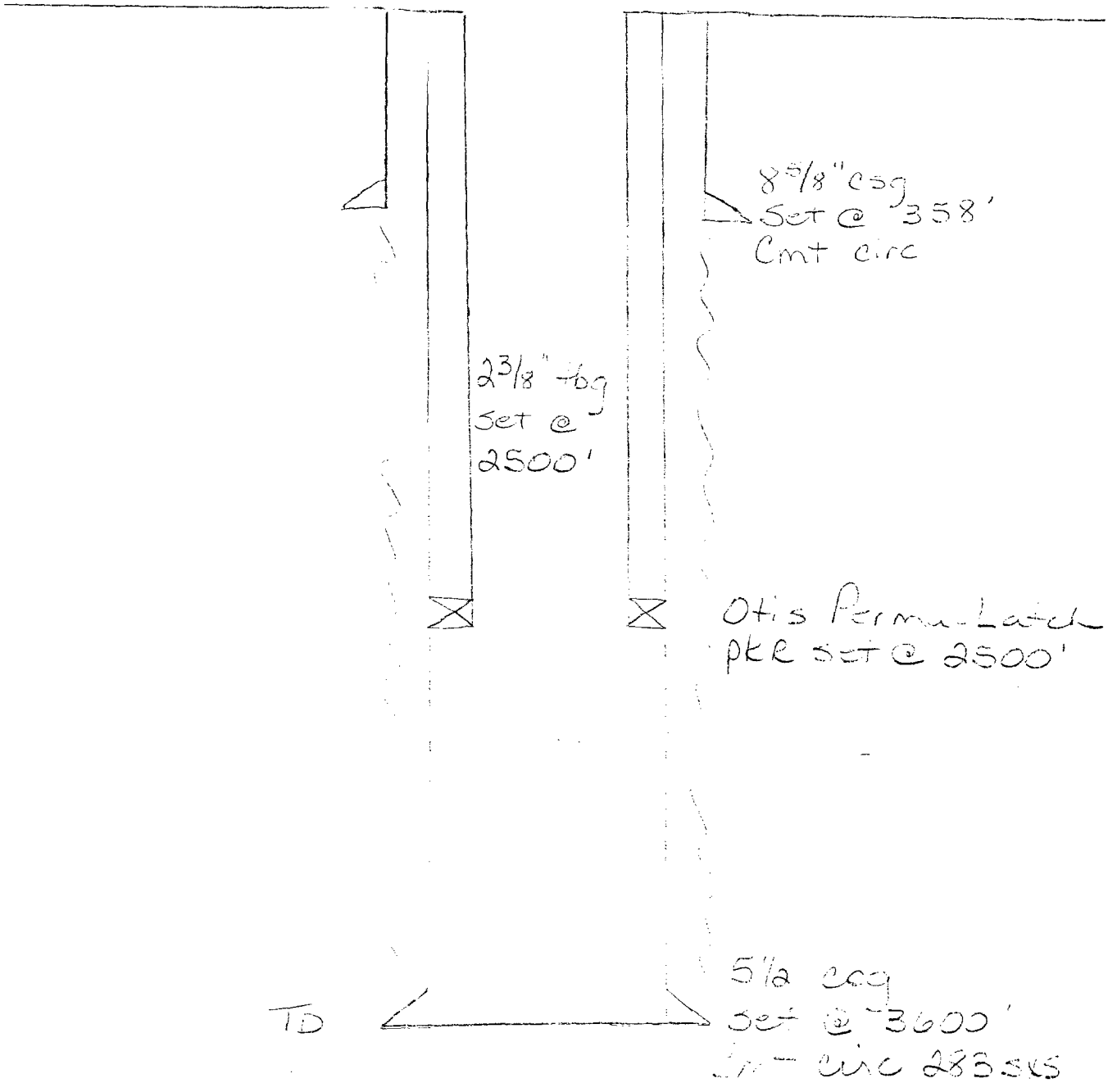
2. Perforated from 2560 - 2823' (26 holes)

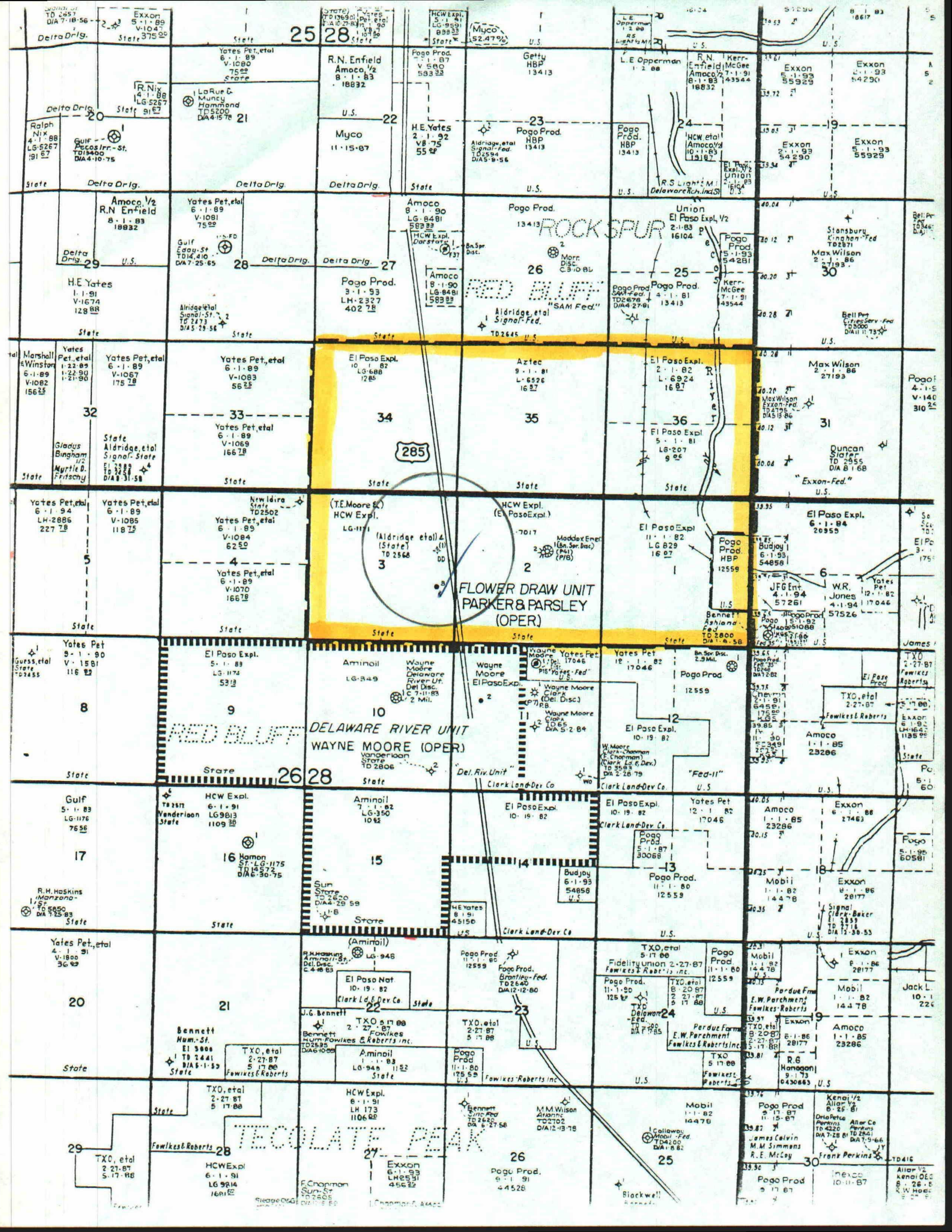
3. Oil well

4. No other perforated intervals

5. Higher zone - none
   Lower zone - Delaware

Flower Draw Unit #4
Eddy County, New Mexico




ROCK SPUR
RED BLUFF
"SAM Fed."
FLOWER DRAW UNIT
PARKER & PARSLEY
(OPER)
285
RED BLUFF
DELAWARE RIVER UNIT
WAYNE MOORE (OPER)
"Del. Riv. Unit"
TECOLATE PEAK
25
28
26
28
El Paso Expl.
Aztec
HCW Expl.
Maddox Ener.
Pogo Prod.
Yates Pet., etal
Aminoil
Wayne Moore
El Paso Expl.
Clark Land-Dev Co.
Fowlkes & Roberts
TXO, etal
Exxon
Amoco
Mobil
River
"Exxon-Fed."
"Fed-11"

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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RECEIVED BY
SEP 27 1984
O. C. D.
ARTESIA, OFFICE

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator
Maddox Energy Corporation

Address
717 N. Harwood, LB 14, Suite 3030, Dallas, Texas 75201

Reason(s) for filing (Check proper box)
- [X] New Well
- [ ] Recompletion
- [ ] Change in Ownership

Change in Transporter of:
- [ ] Oil
- [ ] Dry Gas
- [ ] Casinghead Gas
- [ ] Condensate

Other (Please explain)
CASINGHEAD GAS MUST NOT BE FLARED AFTER 12-15-84 UNLESS AN EXCEPTION TO RULE 306 IS OBTAINED

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Flower Draw Unit 3	3	Und. ~~Bell Canyon~~	State, Federal or Fee State	LG-1171

Location
Unit Letter I : 1980 Feet From The South Line and 660 Feet From The East

Line of Section 3 Township 26S Range 28E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [X] or Condensate [ ]	Address (Give address to which approved copy of this form is to be sent)
The Permian Corporation	P. O. Box 1183, Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [ ]	Address (Give address to which approved copy of this form is to be sent)

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	I	3	26S	28E	no	

If this production is commingled with that from any other lease or pool, give commingling order number: _____

NOTE: *Complete Parts IV and V on reverse side if necessary.*

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Becky Hughes
(Signature)
Production Agent
(Title)
9/25/84
(Date)

Completion on other side

OIL CONSERVATION DIVISION

APPROVED OCT 15 1984, 19 ____

BY Original Signed By
Leslie A. Clements

TITLE Supervisor District II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
	X		X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
8-13-84	9-10-84	6500'	6223'
Elevations (DF, RKB, RT, GR, etc.)	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
2951' KB 2937' GR	~~Bell Canyon~~ (Delaware)	2844'	2773'
Perforations			**Depth Casing Shoe**
2844' to 2856' - 12 holes - .36" diameter			6500'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17-1/2"	13-3/8"	419'	355 sx
11"	8-5/8"	2795'	750 sx
7-7/8"	4-1/2"	6500' Top @ 2452' CBL	125 sx
	2-3/8"	2773'	

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

OIL WELL

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
9-10-84	9-14-84	Flowing	
Length of Test	**Tubing Pressure**	**Casing Pressure**	**Choke Size**
6 hours	685 psig	pkr.	13/64"
Actual Prod. During Test	**Oil - Bbls.**	**Water - Bbls.**	**Gas - MCF**
	7	36	46

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**

ATION FLOWER DRAW 3-3 - SECTION 3, TOWNSHIP 26 SOUTH, RANGE 28 EAST EDDY COUNTY, N M
(Give Unit, Section, Township, and Range

OPERATOR MADDOX ENERGY COMPANY

DRILLING CONTRACTOR RIO COLORADO DRILLING COMPANY

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees & Depth	Degrees & Depth	Degrees & Depth
1° - 185	2° - 3037	
1° - 419	3/4° - 3508	
1-1/2° - 685	1/2° - 3989	
1-3/4° - 919	1-1/4° - 4501	
2° - 1170	1° - 4671	
2° - 1250	1° - 5015	
2-1/2° - 1500	1° - 5255	
2° - 1590	1/2° - 5466	
2° - 1671	1° - 5853	
2° - 1761	1/2° - 5995	
1-3/4° - 2012	1/2° - 6500	
2° - 2273		
2° - 2393		
2° - 2523		
1-3/4° - 2795		

Drilling contractor RIO COLORADO DRILLING COMPANY

By: [signature]

Subscribed and sworn to before me this 10th day of August, 1984

[signature]
Notary Public

My Commision Expires: 10-2-84 Midland County Texas

1343-A

HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES
~~MIDLAND DIVISION~~ Po Drawer C
ARTESIA, NEW MEXICO 88210

LABORATORY WATER ANALYSIS No. W459-84

To Maddox Energy
1404 W. Pine
Midland, TX 79701

Date September 24, 1984

Submitted by _____ Date Rec. _____

Well No. Flower Draw 3-3 Depth _____ Formation Delaware

County _____ Field _____ Source Water Flow #1

Resistivity	.18 @ 65°		
Specific Gravity	1.049 @ 60°		
pH	6.5		
Calcium (Ca)	2,780		*MPL
Magnesium (Mg)	1,350		
Chlorides (Cl)	42,000		
Sulfates (SO_4)	Nil		
Bicarbonates (HCO_3)	300		
Soluble Iron (Fe)	Light		
KCL	1%		

Remarks:

*Milligrams per liter

Warren Lane
Respectfully submitted,

Analyst: Warren Lane - Field Engineer

HALLIBURTON COMPANY

cc:

NOTICE

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Revised 10-1-78

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OPERATOR		

CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee [ ]
5. State Oil & Gas Lease No.: L G 1171

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name: Flower Draw Unit 3
8. Farm or Lease Name: Flower Draw Unit 3
9. Well No.: 3
10. Field and Pool, or Wildcat: Und. Bell Canyon
12. County: Eddy

2. Name of Operator: MADDOX ENERGY CORPORATION
3. Address of Operator: 717 North Harwood, Suite 3030, Dallas, Texas 75201
4. Location of Well: UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 3 TWP. 26-S RGE. 28-E NMPM

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
8-13-84	7-5-84	September 10, 1984	2951' KB, 2937' GR	2938'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
6,500'	6223'		→	Total	0

24. Producing Interval(s), of this completion — Top, Bottom, Name: 2844' to 2856' Bell Canyon (Delaware)
25. Was Directional Survey Made: No
26. Type Electric and Other Logs Run: DLL; CNDL; EPT; &CBL *
27. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	419'	17½"	355 sacks, circ.	0
8 5/8"	24 & 32#	2,795'	11"	750 sacks	0
4 ½"	10.5#	6,500'	7 7/8"	1125 sks, T/Cmt 2220'	0

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	2773'	2773'

31. Perforation Record (Interval, size and number): 2844' to 2856' 12 holes 0.36" diameter

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2844'-2856'	1,500 gals acid
	20,000 gals gelled 2% KCl
	plus 33,000# sand.

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
Sept. 10, 1984	Flowing	Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
9-14-84	6	13/64"		7	46	36	6,542

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
685 psig	Pkr.		28	183	144	36

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Vented & flared
Test Witnessed By: Don Bennett

35. List of Attachments
* Copies of logs delivered to Commission office 9-4-84.

36. 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.

SIGNED John I. Fisher TITLE Agent DATE Sept. 20, 1984

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand	Lime 2,520'	T. Entrada		T.	
T. Abo		T. Bone Springs	6,260'	T. Wingate		T.	
T. Wolfcamp		T.	Brushy Canyon 4,630'	T. Chinle		T.	
T. Penn.		T.	Cherry Canyon 3,410'	T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from 2,835 to 2,895' No. 4, from ..... to .....

No. 2, from 6,354 to 6,380' No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet. .....

No. 2, from ..... to ..... feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
Surface	235'	235'	Weathered limestone & caliche	2,550'	6,260'	3,710	Massive, fine grained sand with alternating layers of black carbonaceous shale.
235'	725'	490	Red shales, thin limestones, sand	6,260'	6,500'	240	Dense, gray, fractured limestone with interbedded black shale.
725'	2,520'	1795	Anhydrite with alternating salt beds.				
2,520'	2,550'	30	Black, shaly limestone.				

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 9-14-84	
Company: MADDOX ENERGY		Connection: AIR RECOMPLETION			
Pool: UNDESIGNATED		Formation: BELL CANYON DELAWARE		Unit: I	
Completion Date	Total Depth: 6500	Plug Back T.D.: 6223	Elevation	Farm or Lease Name: FLOWER DRAW	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6500.		Perforations: From 2844. To 2856.		Well No.: 3-3	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 2782.		Perforations: From To		Unit: I / Sec.: 3 / Twp.: 26S / Rge.: 28E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE		Packer Set At: 2782		County: EDDY	
Producing Thru: TUBING	Reservoir Temp. °F: 98 @ 2850	Mean Annual Temp. °F: 60.0	Baro. Press. – P_a: 13.2	State: NEW MEXICO	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2850	2850	0.646	0.04	3.39	0.	Ø	4.0	

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	B.H.P. DATA: Press. p.s.i.g.	CHOKE	Duration of Flow
SI					1390.	90.			45.0
1.	4.03 X 1.000	100.	9.2	102.	895.	60.		13/64	6.0
2.	4.03 X 1.000	100.	14.0	104.	720.	60.		10/64	6.0
3.	4.03 X 1.500	110.	6.0	96.	720.	60.		16/64	6.0
4.	4.03 X 1.500	105.	14.0	102.	427.	60.		22/64	6.0
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	4.75	32.36	113.2	0.9619	1.2442	1.0079	186.
2	4.75	39.81	113.2	0.9602	1.2442	1.0078	228.
3	10.84	27.19	123.2	0.9671	1.2442	1.0090	358.
4	10.84	40.68	118.2	0.9619	1.2442	1.0083	532.
5							

NO.	P_t	Temp. °R	T_r	Z
1	0.17	562.	1.55	0.984
2	0.17	564.	1.55	0.985
3	0.19	556.	1.53	0.982
4	0.18	562.	1.55	0.984
5				

Gas Liquid Hydrocarbon Ratio 16.9 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 37.4 Deg.
Specific Gravity Separator Gas 0.646 XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX 0.820
Critical Pressure 665. P.S.I.A. 656. P.S.I.A.
Critical Temperature 364. R 418. R

P_c 1388.4 P_c^2 1928.

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	825.	909.	826.	1102.
2	538.	734.	538.	1389.
3	538.	734.	539.	1388.
4	194.	444.	197.	1731.
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1138$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1138$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 593.$

Absolute Open Flow 593. Mcfd @ 15.025 Angle of Slope θ 45.0 Slope, n 1.000

Remarks:

Approved By Commission:	Conducted By: RICHARD TOWNLEY	Calculated By: BENNETT & CATHEY INC.	Checked By:

2987

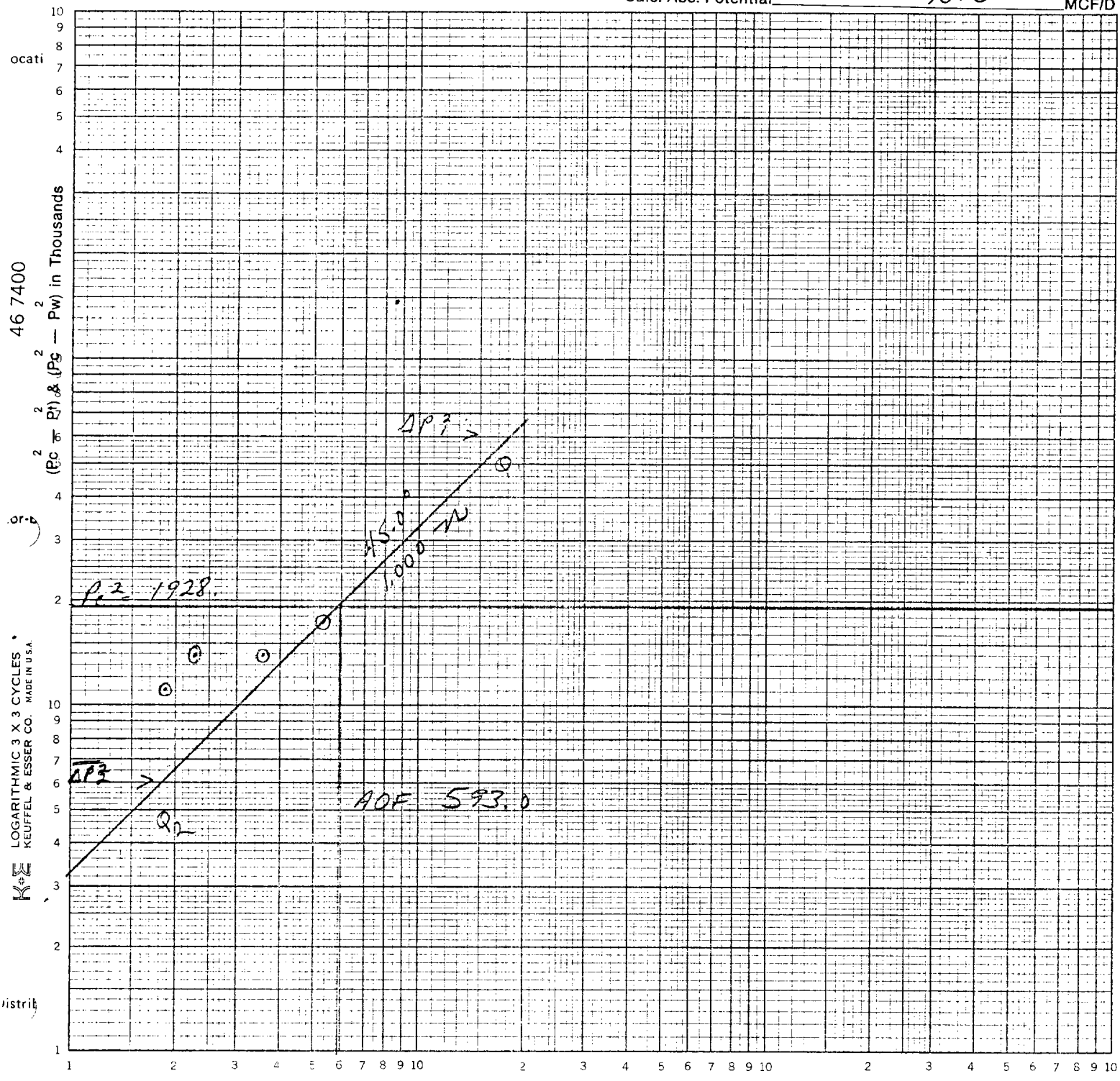
BENNETT & CATHEY PRODUCTION TESTING
BACK PRESSURE CURVE

Operator MADDOX ENERGY Lease FLOWER DRAW Well No. 3-3

County Eddy Field U.D. Location 3 26S 28E Unit I

Date of Test 9-14-84 Slope "n" 1.000 Angle of Slope 45.0°

Calc. Abs. Potential 593.0 MCF/D



Q in MCF/Day

$\overline{\Delta P_1^2}$ $P_c^2 - P_w^2$ = 6000

$\overline{\Delta P_2^2}$ $P_c^2 - P_w^2$ = 600

Q_1 = 1840.

Q_2 = 184.

LOG Q_1 = 3.2648

LOG Q_2 = 2.2648

n = 1.000

"Let Your Interest in Measurement be our Concern"

PRECISION SERVICE INC.

Flow Measurement Engineers
Analysis Results Summary
Casper, WY 82601

Run No. 911-7
Date Run 09/11/84
Date Sampled 09/10/84

Analysis For: BENNETT & CATHEY WRLN.
Lease: Flower Draw #3-3 — Producer: Maddox Energy Corp.
Location: Bone Springs — County: Eddy — State: New Mexico
Purpose: Well Test — Sampled By: B & C WRLN.
Sampling Temp.: 70 °F — Atmos Temp.: 80 °F
Volume/day: 497 MCF — Formation: DELAWARE
Pressure on Bomb: 110 — PSIG; Line Pressure: 123.2 PSIA PSIG

Gas Component Analysis — Press. Base: 14.73

	Mol. %	Liq. %	GPM Per MCF
Carbon Dioxide CO_2	.038		
Oxygen O_2	.012		
Nitrogen N_2	3.390		
Hydrogen Sulfide H_2S			
Methane C1	88.758		15.044
Ethane C2	3.232		.865
Propane C3	2.455		.676
Iso-Butane IC4	.716		.234
Nor-Butane NC4	.740		.233
Iso-Pentane IC5	.205		.075
Nor-Pentane NC5	.199		.072
Hexanes plus	.255		.118
Hexanes C6			
Heptanes			
Heptanes Plus C7+			
Total	100.000		17.317
Pentane + G.P.M.			.265
Propane + GPM			1.409
26-lb Gasoline			.967

BTU Dry 1098
BTU Wet 1079
Calc. Specific Gravity .646

@ Std. Press. 14.696
BTU Dry 1096
BTU Wet 1077

Calc. Vap. Press. #/Sq.In.
Reid Vap. Press. #/Sq.In.

Z Factor .9975
N Value 1.2977
Ave Mol Wt 18.6574
Ave Cu Ft/Gal

Run by Jeffrey A. Propp
Calculated By Jeffrey A. Propp

Ethane + GPM 2.273

Remarks:

Distribution:

BENNETT - CATHEY

(505) 746-3354 / Artesia, New Mexico 88210

COMPANY	LEASE NAME	WELL NO.	TEST EQUIPMENT	DATE MO. /DAY /YR.	REPORT TIME
MADDOX ENERGY	FLOWER DRAW	3-3	1,000,000 BTU PROD. UNIT	9 12 84	PAGE 1 OF 4
FIELD	FORMATION	SEC. TWP. RGE.	COUNTY	STATE	PHONE NO.
UNDESIGNATED	BELL CANYON-DELAWARE		EDDY	NM	REMARKS
TEST BY	TYPE TEST	COMPANY REP.	METER RUN	TAPS	PROVER	TANK SIZE
RICK HATCHETT	FLOW TEST	JOHN FISHER	4.026	FLANGE	Ø	500 SQR. FRAC

WHITE FRAC TANK

DATE TIME OF READING	ELAP HOUR	WELLHEAD PRESS. TBG PSIG	WELLHEAD PRESS. CSG PSIG	WELLHEAD PRESS. TEMP F°	METER OR PROVER PRES PSIG	METER OR PROVER DIFF	METER OR PROVER TEMP F°	ORIF. SIZE / CHOKE	MCFD	TOTAL FLUID	WATER	AMOUNT H_2O MADE	AMOUNT OIL MADE	ACCUM. H_2O	ACCUM. OIL	FLUID HAULED
9-12-84																
1000	START	1395								3'4½" TOP 143 BBLS	3'2" CUT 134 BBLS	0	0	134	9	
1015	1/4	1305	PKR		110	74.0	106	1.500 / 16/64	1194.4	TOP BBLS	CUT BBLS					
1030	1/2	1215	"		110	90.0	107	"	1319.0	TOP BBLS	CUT BBLS					
1045	3/4	1105	"		110	80.0	104	"	1244.1	TOP BBLS	CUT BBLS					
1100	1	970	"		110	56.0	100	"	1045.0	TOP BBLS	CUT BBLS	FLUID TO	SURFACE AT	1100 HOUR		
1130	1½	780	"		110	15.0	102	"	540.0	TOP BBLS	CUT BBLS					
1200	2	750	"		110	8.0	102	"	394.1	TOP BBLS	CUT BBLS					
1300	3	725	PKR		110	6.0	100	1.500 / 16/64	342.0	TOP BBLS	CUT BBLS					
1400	4	725	"		110	6.0	92	"	344.4	TOP BBLS	CUT BBLS	GOR = 26,037/1				
1500	5	720	"		110	6.0	90	"	345.0	TOP BBLS	CUT BBLS					
1600	6	720	"		110	6.0	96	"	343.1	TOP BBLS	CUT BBLS					
1700	7	720	"		110	5.5	110	"	324.4	TOP BBLS	CUT BBLS					
1800	8	720	"		110	5.5	108	"	325.0	TOP BBLS	CUT BBLS					
1900	9	722	"		110	5.5	106	"	326.0	TOP BBLS	CUT BBLS					
2000	10	722	"		110	5.5	104	"	326.2	TOP BBLS	CUT BBLS					
2100	11	722	"		110	5.5	104	"	326.2	TOP BBLS	CUT BBLS					
	12	722	"		110	5.5	104	"	326.2	5'11" TOP 266 BBLS	5'7" CUT 249 BBLS	115	8	115	8	

COMPANY	LEASE NAME	WELL NO.	TEST EQUIPMENT	DATE MO. /DAY /YR.	REPORT TIME
MADDOX ENERGY	FLOWER DRAW	3-3	1,000,000 BTU PROD. UNIT	9 13 84	PHONE NO.
FIELD	FORMATION	SEC. TWP. RGE.	COUNTY	STATE	PAGE 2 OF 4
UNDESIGNATED	BELL CANYON-DELAWARE		EDDY	NM	REMARKS
TEST BY	TYPE TEST	COMPANY REP.	METER RUN / TAPS / PROVER / TANK SIZE		
RICK HATCHETT	FLOW TEST	JOHN FISHER	4.026 / FLANGE / Ø / 500 SQR. FRAC		BLUE FRAC TANK

DATE TIME OF READING	ELAP HOUR	WELLHEAD PRESS. TBG PSIG	WELLHEAD PRESS. CSG PSIG	WELLHEAD PRESS. TEMP F°	METER OR PROVER PRES PSIG	METER OR PROVER DIFF	METER OR PROVER TEMP F°	ORIF. SIZE CHOKE	MCFD	TOTAL FLUID	WATER	AMOUNT H_2O MADE	AMOUNT OIL MADE	ACCUM. H_2O	ACCUM. OIL	FLUID HAULED
9-12-84 2200	START									0 TOP 0 BBLS	0 CUT 0 BBLS	0	0	0	0	
2300	1	545	PKR		110	13.0	104	1.500 22/64	501.5	TOP BBLS	CUT BBLS					
2400	2	530	"		110	12.0	104	"	481.9	TOP BBLS	CUT BBLS					
9-13-84 0100	3	530	"		110	15.0	104	"	538.7	TOP BBLS	CUT BBLS					
0200	4	520	"		100	14.0	104	"	505.7	TOP BBLS	CUT BBLS					
0300	5	510	"		100	15.0	104	"	516.4	TOP BBLS	CUT BBLS					
0400	6	500	"		100	13.0	104	"	480.7	TOP BBLS	CUT BBLS					
0500	7	490	"		80	19.0	104	"	527.4	TOP BBLS	CUT BBLS					
0600	8	480	"		50	28.0	104	"	527.2	TOP BBLS	CUT BBLS					
0700	9	480	PKR		30	49.0	104	1.500 22/64	576.6	TOP BBLS	CUT BBLS					
0800	10	470	"		20	60.0	100	"	561.3	TOP BBLS	CUT BBLS					
0900	11	470	"		20	56.0	100	"	542.3	5'1" TOP 221 BBLS	4'9½" CUT 211 BBLS	211	10	211	10	
1000	BACK PRESSUREREGULATOR OUT SHUT IN WELL AT 0900 HOUR									TOP BBLS	CUT BBLS					
1100										TOP BBLS	CUT BBLS	WHITE FRAC TANK				
1200	START	1031								5'11" TOP 266 BBLS	5'7" CUT 249 BBLS	0	0	249	170	
1300	1	722	PKR		105	65.0	89	1.500 28/64	1092.8	6'3" TOP 282 BBLS	5' 103/4" CUT 264.75 BBLS	15.75	.25	15.75	.25	
	CUT CHOKE TO 22/64 START TEST 2 OVER AT 1300 HOUR									TOP BBLS	CUT BBLS					

COMPANY	LEASE NAME	WELL NO.	TEST EQUIPMENT	DATE MO. /DAY /YR.	REPORT TIME
MADDOX ENERGY	FLOWER DRAW	3-3	1,000,000 BTU PROD. UNIT	9 13-14 84	PAGE 3 OF 4 PHONE NO.
FIELD	FORMATION	SEC. TWP. RGE.	COUNTY	STATE	REMARKS
UNDESIGNATED	BELL CANYON-DELAWARE		EDDY	NM	
TEST BY	TYPE TEST	COMPANY REP.	METER RUN	TAPS	PROVER	TANK SIZE
RICK HATCHETT	FLOW TEST	JOHN FISHER	4.026	FLANGE	Ø	500 SQR. FRAC

API GRAVITY 36 @ 60°
WHITE FRAC TANK

TIME OF READING	ELAP HOUR	WELLHEAD PRESS. TBG PSIG	WELLHEAD PRESS. CSG PSIG	METER OR PROVER TEMP F°	METER OR PROVER PRES PSIG	METER OR PROVER DIFF	METER OR PROVER TEMP F°	ORIF. SIZE CHOKE	MCFD	TOTAL FLUID	WATER	AMOUNT H_2O MADE	AMOUNT OIL MADE	ACCUM. H_2O	ACCUM. OIL	GOR
8-13-84																
1300	START	722								6'3" TOP 282 BBLS	5' 10 3/4" CUT 264.75 BBLS	0	0	264.75	17.25	
1400	1	457	PKR		105	16.0	104	1.500 22/64	534.9	6'7" TOP 298 BBLS	6'2½" CUT 280 BBLS	15.25	.75	15.25	.75	29717/1
1500	2	445	"		105	14.0	96	"	513.4	6'11" TOP 314 BBLS	6'7½" CUT 300 BBLS	20.0	-4.0	35.25	-3.25	0
1600	3	440	"		105	13.5	94	"	495.8	7'3½" TOP 332 BBLS	6'11" CUT 314 BBLS	14.0	4.0	49.25	.75	5164.5/1
1700	4	430	"		105	14.0	102	"	511.0	7' 7 3/4" TOP 350 BBLS	7'3" CUT 330 BBLS	16.0	2.0	65.25	2.75	10645/1
1800	5	430	PKR		105	14.0	102	1.500 22/64	511.0	8' TOP 367 BBLS	7'7" CUT 347 BBLS	20.0	0	85.25	2.75	0
1900	6	427	"		105	14.0	102	"	511.0	8' 3 3/4" TOP 382 BBLS	7'10½" CUT 361 BBLS	20.0	1.0	105.25	3.75	21292/1
	CHANGE CHOKE TO 10/64 AT 1900 HOUR									TOP BBLS	CUT BBLS	GOR FOR 6 HOUR FLOW = 34163/1				
1900	START	427								5'1" TOP 221 BBLS	4'9½" CUT 211 BBLS	BLUE FRAC TANK 0	0	211	10	
2000	1	745	PKR		100	39.0	102	1.000 10/64	366.1	5'1" TOP 221 BBLS	4'9½" CUT 211 BBLS	0	0	0	0	
2100	2	753	"		100	26.5	100	"	302.0	5'1¼" TOP 226 BBLS	4'9 3/4" CUT 212 BBLS	1	4	1	4	
2200	3	740	"		100	24.0	100	"	288.8	5'1½" TOP 227 BBLS	4'10" CUT 213 BBLS	1	0	2	4	
2300	4	730	"		100	18.0	100	"	248.9	5'2" TOP 229 BBLS	4'11" CUT 217 BBLS	4	-2	6	2	
2400	5	725	"		100	14.0	90	1.000 10/64	221.5	5'3" TOP 233 BBLS	4'11½" CUT 219 BBLS	2	2	8	4	
8-14-84 0000	6	720	PKR		100	14.0	104	"	205.0	5'3 3/4" TOP 236 BBLS	5'¼" CUT 222 BBLS	3	0	11	4	
0100	7	710	"		100	12.0	100	"	203.2	5' 4½" TOP 239 BBLS	5'1" CUT 225 BBLS	3	0	14	4	
0200	8	715	"		100	9.5	98	"	154.0	5' 5½" TOP 243 BBLS	5'2¼" CUT 230 BBLS	5	-1	19	3	

COMPANY	LEASE NAME	WELL NO.	TEST EQUIPMENT	DATE NO. /DAY /YR.	PAGE 4 OF 4	REPORT TIME
MADDOX ENERGY	FLOWER DRAW	3-3	1,000,000 BTU PROD. UNIT	9 14 84	REMARKS	PHONE NO.
FIELD	FORMATION	SEC. TWP. RGE.	COUNTY	STATE		
UNDESIGNATED	BELL CANYON-DELAWARE		EDDY	NM		
TEST BY	TYPE TEST	COMPANY REP.	METER RUN	TAPS	PROVER	TANK SIZE
RICK HATCHETT	FLOW TEST	JOHN FISHER	4.026	FLANGE	Ø	500 SQR. FRAC

DATE TIME OF READING	ELAP HOUR	WELLHEAD PRESS. TBG PSIG	WELLHEAD PRESS. CSG PSIG	TEMP F°	METER OR PROVER PRES PSIG	DIFF	TEMP F°	ORIF. SIZE CHOKE	MCFD	TOTAL FLUID	WATER	AMOUNT H_2O MADE	AMOUNT OIL MADE	ACCUM. H_2O	ACCUM. OIL	FLUID HAULED
9-14-84								1.000		BLUE FRAC TANK						
0400	9	720	PKR		100	9.0	86	10/64	151.6	5'6 3/4" TOP 248 BBLS	5'3" CUT 233 BBLS	3	2	22	5	
0500	10	725	"		100	9.0	87	"	178.0	5'7 3/4" TOP 252 QBBLS	5'3 3/4" CUT 236 BBLS	3	1	25	6	
0600	11	724	"		100	9.75	108	"	181.9	5'9" TOP 257 BBLS	5'5" CUT 241 BBLS					
0715		RETAPE TANK								TOP 256 BBLS	CUT 239 BBLS					
0815		RETAPE TANK								5'9" TOP 257 BBLS	5'4 3/4" CUT 240 BBLS					
0915		RETAPE TANK								5'9" TOP 257 BBLS	5'4 3/4" CUT 240 BBLS	4	1	29	7	
										TOP BBLS	CUT BBLS					
9-14-84								1.000		WHITE FRAC TANK						
0615	START	NEW CHOKE SETTING						13/64		8'4" TOP 383 BBLS	7'10½" CUT 361 BBLS					
0715	1	660	PKR		100	9.5	100	"	180.8	8'5½" TOP 389 BBLS	8'¼" CUT 367 BBLS	6	0	6	0	
0815	2	675	"		100	9.5	100	"	180.8	8'7¼" TOP 396 BBLS	8' 1 3/4" CUT 374 BBLS	7	0	13	0	
0915	3	690	"		100	9.75	86	"	185.5	8'9¼" TOP 400 BBLS	8'3" CUT 379 BBLS	5	0	18	0	
1015	4	680	"		100	12.0	109	"	201.6	8'10½" TOP 409 BBLS	8'4 3/4" CUT 386 BBLS	7	2	25	2	
1115	5	685	"		100	9.0	103	"	175.5	9'¼" TOP 416 BBLS	8'6" CUT 391 BBLS	5	2	30	4	
1215	6	685	"		100	9.25	102	"	178.2	9'7/8" TOP 425 BBLS	8'7½" CUT 397 BBLS	6	3	36	7	
1245	6 1/2		SHUT IN							TOP BBLS	CUT BBLS	GOR = 6542/1				
										TOP BBLS	CUT BBLS					
										TOP BBLS	CUT BBLS					

BENNETT - CATHEY

(505) 746-3354 / Artesia, New Mexico 88210

COMPANY	LEASE NAME	WELL NO.	TEST EQUIPMENT	DATE MO. /DAY /YR.	REPORT TIME
MADDOX ENERGY	FLOWER DRAW	3-3	1,000,000 BTU TEST UNIT	9 10 84	PHONE NO.
FIELD	FORMATION	SEC. TWP. RGE.	COUNTY	STATE	REMARKS
U.D. BONE SPRINGS	BELL CANYON-DELAWARE	3 26S 28E	EDDY	NEW MEXICO	
TEST BY	TYPE TEST	COMPANY REP.	METER RUN	TAPS	PROVER	TANK SIZE
BENNETT & CATHEY	FLOW TEST	JOHN FISHER	4.026	FLANGE	Ø	500

TIME OF DOING	ELAP HOUR	WELLHEAD PRESS. TBG PSIG	WELLHEAD PRESS. CSG PSIG	WELLHEAD PRESS. TEMP F°	METER OR PROVER PRES PSIG	METER OR PROVER DIFF	METER OR PROVER TEMP F°	ORIF. SIZE / CHOKE	MCFD	TOTAL FLUID	WATER	AMOUNT H_2O MADE	AMOUNT OIL MADE	ACCUM. H_2O	ACCUM. OIL	FLUID HAULED
9-10-84																
0800	SIP	1390	SHUT IN AT 1715 HOUR 9-9-84							TOP BBLS	CUT BBLS					
1030	START									4'½" TOP 177.5 BBLS	1½" CUT 1 BBLS	0	0	1	177.5	
1045		1270	PKR		115	91.0	90	1.750 / 16/64	1888	TOP BBLS	CUT BBLS					
1100		1130	"		110	68.0	96	1.750 / 16/64	1591.1	TOP BBLS	CUT BBLS					
1115		700	"		120	90.0	92	1.750 / 17.5/64	1910.2	TOP BBLS	CUT BBLS	FLUIDS TO SURFACE AT 1115 HOUR				
1130		720	"		110	7.0	92	1.750 / 17.5/64	512	TOP BBLS	CUT BBLS					
1145		655	PKR		110	8.0	90	1.750 / 20/64	548.7	TOP BBLS	CUT BBLS					
215		720	"		110	7.5	86	1.750 / 20/64	533.2	TOP BBLS	CUT BBLS					
245		740	"		110	8.0	86	1.750 / 20/64	550.7	TOP BBLS	CUT BBLS					
315		740	"		110	8.0	82	1.750 / 20/64	552.8	4'3½" TOP 192.5 BBLS	3" CUT 3 BBLS	2	12	2	12	
		SEPERATOR PROBLEMS						1.750 / 22/64		TOP BBLS	CUT BBLS					
										TOP BBLS	CUT BBLS					
										TOP BBLS	CUT BBLS					
										TOP BBLS	CUT BBLS					
										TOP BBLS	CUT BBLS					
										TOP BBLS	CUT BBLS					
										TOP BBLS	CUT BBLS					
										TOP BBLS	CUT BBLS					

BENNETT - CATHEY

(505) 746-3354 / Artesia, New Mexico 88210

COMPANY	LEASE NAME	WELL NO.	TEST EQUIPMENT	DATE	REPORT TIME
MADDOX ENERGY	FLOWER DRAW	3-3	1,000,000 BTU TEST UNIT	MO. 9 /DAY 10 /YR. 84	PHONE NO.
FIELD	**FORMATION**	**SEC. TWP. RGE.**	**COUNTY**	**STATE**	**REMARKS**
U.D. BONE SPRINGS	BELL CANYON-DELAWARE	3 26S 28E	EDDY	NEW MEXICO	570.7 OIL 4022.3 WATER
TEST BY	**TYPE TEST**	**COMPANY REP.**	**METER RUN**	**TAPS**	**PROVER**	**TANK SIZE**
BENNETT & CATHEY	FLOW	JOHN FISHER	4.026	FLANGE	Ø	500 QUADRA TANK

DATE OF READING	ELAP HOUR	WELLHEAD PRESS. TBG PSIG	WELLHEAD PRESS. CSG PSIG	WELLHEAD TEMP F°	METER OR PROVER PRES PSIG	METER OR PROVER DIFF	METER OR PROVER TEMP F°	ORIF. SIZE / CHOKE	MCFD	TOTAL FLUID	WATER	AMOUNT H_2O MADE	AMOUNT OIL MADE	ACCUM. H_2O	ACCUM. OIL	FLUID HAULED
9-10-84																
	SIP	1220	GOR					1.500 / 16/64		1'1" TOP 27 BBLS	1'1" CUT 27 BBLS	0	0	27	0	
1905	START									TOP BBLS	CUT BBLS					
1920	1/4	865			110	12.0	76°	1.500 / 16/64	501	TOP BBLS	CUT BBLS					
1935	1/2	787			110	12.0	70°	1.500 / 16/64	497	TOP BBLS	CUT BBLS					
1950	3/4	810			110	10.0	70°	1.500 / 16/64	454	TOP BBLS	CUT BBLS					
2005	1	780	1983/1		110	11.0	70°	1.500 / 16/64	476	TOP BBLS	CUT BBLS					
2035	1 1/2	720			110	12.0	70°	1.500 / 18/64	497	TOP BBLS	CUT BBLS					
2105	2	725	34514/1		110	12.0	70°	1.500 / 18/64	497	TOP BBLS	CUT BBLS					
2135	2 1/2	595			110	20.0	78°	1.500 / 22/64	637	TOP BBLS	CUT BBLS					
2205	3	635	6219/1		110	18.0	90°	1.500 / 22/64	597	TOP BBLS	CUT BBLS					
2235	3 1/2	455			110	28.0	88°	1.500 / 28/64	747	TOP BBLS	CUT BBLS					
2305	4	437	1982/1		110	28.0	88°	1.500 / 28/64	747	TOP BBLS	CUT BBLS					
2335	4 1/2	420	4161/1		60	53.0	78°	1.500 / 28/64	799	3'4½" TOP 143 BBLS	3' 2½" CUT 136 BBLS	109	7	109	7	
			SHUT WELL IN AT 2340 HOUR							TOP BBLS	CUT BBLS					
										GOR = 18612/1						
										TOP BBLS	CUT BBLS					
										TOP BBLS	CUT BBLS					

PARKER & PARSLEY

July 10, 1987

State of New Mexico
Energy & Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

Attention: Mr. Michael E. Stogner

RE: Salt Water Disposal
Flower Draw Unit, Well #4
Eddy County, New Mexico

Dear Mr. Stogner:

Per your request, please find enclosed a copy of the Affidavit of Publication in the Carlsbad Current Argus newspaper on June 9, 1987. You will also find a copy of the letter which was mailed to the State Land Office in Santa Fe, New Mexico. The State Land Office is the surface owner of this lease.

I have also enclosed a copy of the receipt for certified mail which shows the date I mail the State Land Office their notification of our intention to convert our well to a saltwater disposal well.

If you have any questions, please do not hesitate to contact me at the above address or phone number.

Sincerely,

J. Michael Reeves
Production Engineer

JMR/sc

Xc: File

№ 10712

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

E. C. Cantwell, being first duly sworn, on oath says:

That he is publisher of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

June 9, , 19 87

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that the cost of publication is $ 6.27, and that payment thereof has been made and will be assessed as court costs.

E C Cantwell

Subscribed and sworn to before me this 7 day of July, 19 87

Stella Taylor

My commission expires 6/01/88

Notary Public

June 9, 1987
Parker & Parlsey Petroleum Company
P.O. Box 3178
Midland, TX 79702
Phone No: (915)683-4768
Purpose: To convert the Flower Draw Unit - Well #4 to an injection well for disposal of produced water.
Location: Sec. 3, T-26S, R-28E
1980' FNL & 660' FEL
Eddy County, New Mexico
Formation: Upper Delaware
Maximum Injection Rate: 1250 psi
All interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days of this notice.

PARKER & PARSLEY

P.O. Box 3178 Midland, Texas 79702
Suite 800 Empire Plaza (915) 683-4768

July 10, 1987

State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87501

RE: SWD Conversion
Eddy County, NM

Gentlemen:

Please find enclosed a copy of our application to convert our Flower Draw #4 well into a saltwater disposal well. All information has been furnished to the State of New Mexico's Energy & Minerals Department for their approval of our request.

If you have any objections or request for hearing, please notify the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM 87501 within 15 days of this notice. The person with whom you should contact at the Commission is Michael E. Stogner.

Your immediate attention to this matter is certainly appreciated. If you have any questions, I will be happy to answer them at any time.

Sincerely,

J. Michael Reeves
Production Engineer

JMR/sc

Xc: File
Michael E. Stogner

P-519 497 077

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to
State Land Office

Street and No.
310 Old Santa Fe Trail

P.O. State and ZIP Code
Santa Fe, NM 87501

Postage	
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$

Postmark or Date

SUPPLEMENTAL

PS Form 3800, June 1985

U.S.G.P.O. 1983-403-518