

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: Larry D. Brown 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: Larry D. Brown Title Senior Operations Engineer
Signature: *Larry D. Brown* Date: December 29, 1987
- * 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.

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.

PARDUE FARMS BATTERY 1 #4

III.

- A. 1. Pardue Farms 27 Battery 1 #4
Sec. 27, T-23S, R-28E
Unit Letter: P, 660' FSL & 660' FEL
2. 8-5/8", set @ 498', cmtd w/335 sxs C1 "C"
12½" hole, cmt circulated
4½", set @ 7300'. Cmtd w/3200 sxs C1 "C"
7-7/8" hole, cmt circulated to reserve pit.
3. 2-3/8", 4.7#, J-55, EUE 8rd plastic lined set @ 6217'.
4. Otis Perma-Latch @ 6217'.
- B. 1. South Culebra Bluff Bone Springs
2. 6272-7121'
3. Oil well.
4. None
5. Higher zone - none known
Lower zone - Atoka @ 11,600'

VI .

Pardue Farms 27 #1
Oil Well
Spud: 7-30-78 Completed: 4-1-81
Location: Unit H, 1980' FNL & 990' FEL; Sec. 27, 23-S, 28-E
Depth: 13,100'
PBDT: 8,000'
Perfs: 6588 - 7036'

Pardue Farms 27 #3
Oil Well
Spud: 5-21-81 Completed: 7-8-81
Location: Unit J, 1980' FSL & 1980' FEL; Sec. 27, 23-S, 28-E
Depth: 7,550'
PBDT: 7,510'
Perfs: 6261 - 7112'

Pardue Farms 27 #6
Oil Well
Spud: 8-5-81 Completed: 11-19-81
Location: Unit N, 1874' FWL & 766' FSL; Sec. 27, 23-S, 28-E
Depth: 7,315'
PBDT: 7,141'
Perfs: 6,297 - 6,512'

VII.

1. Average: 500 BWP
Maximum: 1000 BWP
2. Closed
3. Average: 750
Maximum: 1250
4. Bone Spring - re-injected water
5. See Attachment "A" water analysis on Pardue Farms 27 #4

VIII.

Proposed disposal zone is Bone Spring at a depth of 6272 - 7121'. Lithology is a limestone dark brown, dense interbedded w/carbonaceous shales & siltstone.

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

IX .

Proposed Stimulation: 5000 gals 15% NEFE acid.

X .

Logs & test data were filed by original operator: Maddox Energy Corp.

XI .

None available

XII .

I, Larry D. Brown, 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.

PARKER & PARSLEY PETROLEUM CO.



Larry D. Brown
Senior Operations Engineer

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-

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SUNDRY NOTICES AND REPORTS ON WELLS

O. C. D.

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT DEPTH. USE APPLICATION FOR PERMIT (FORM C-101) FOR SUCH PROPOSALS. ARTESIA, OFFICE

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	5a. Indicate Type of Lease State ☐ Fee ☒
2. Name of Operator Maddox Energy Corporation	5. State Oil & Gas Lease No.
3. Address of Operator Suite 906 Blanks Building, Midland, Texas 79701	7. Unit Agreement Name
4. Location of Well UNIT LETTER N 766 FEET FROM THE south LINE AND 1874 FEET FROM west LINE, SECTION 27 TOWNSHIP 23S RANGE 28E N.M.P.M.	8. Farm or Lease Name Pardue Farms 27
15. Elevation (Show whether DF, RT, GR, etc.) 3060' GL	9. Well No. 6
	10. Field and Pool, or Wildcat S. Culebra Bluff Und. Bone Spring
	12. County Eddy

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

 PERFORM REMEDIAL WORK ☐
 TEMPORARILY ABANDON ☐
 PULL OR ALTER CASING ☐

 PLUG AND ABANDON ☐
 CHANGE PLANS ☐

 REMEDIAL WORK ☐
 COMMENCE DRILLING OPNS. ☒
 CASING TEST AND CEMENT JOBS ☒

 ALTERING CASING ☐
 PLUG AND ABANDONMENT ☐
OTHER ☐

17. 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.

Spudded 8/5/81

 8/5/81 Ran 12 joints 8 5/8" 24# J55 ST&C Casing set at 490'.
 Cemented with 335 sacks Class C 2% CaCl. Circulated 20 sx to reserve
 pit. WOC 18 hours. Testes BOP & casing to 1000#.

8/7/81 Drilling below 678'.

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

SIGNED Guerra B. CarrTITLE Operations ManagerDATE 8/10/81APPROVED BY W. L. WilliamsTITLE MANAGER OF OPERATIONSDATE AUG 13 1981

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NEW MEXICO OIL CONSERVATION DIVISION

30-015-23844
Form O-101
Revised 1-1-75

JUN 26 1981

C. C. D.
ASST. DIR.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

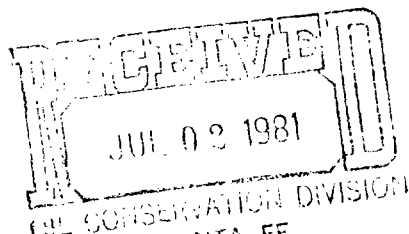
1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5a. Initial Type of Lease STATE ☐ FEE ☒
b. Type of Well OIL ☒ GAS ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. State Oil & Gas Lease No.
2. Name of Operator Maddox Energy Corporation ✓		7. Unit Agreement No.
3. Address of Operator Su9te 906 Blanks Building, Midland, TX 79701		8. Name of Lease Owner Pardue Farms 27
4. Location of Well UNIT LETTER N LOCATED 766 FEET FROM THE south LINE AND 1874 FEET FROM THE west LINE OF SEC. 27 TWP. 23S RGE. 28E		9. Well No. 6
10. Name of Land Owner S. Culebra Bluff Und. Bone Spring		11. County Eddy
12. Depth of Well (whether Dr., etc.) 3060' GL		13. Formation Bone Spring
14. Status of Well (whether Dr., etc.) Active		15. Rotary
16. Drilling Completion Hondo Drlg.		17. Approx. Date Work will start 7/20/81

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#	475'	300	Circulate
7 7/8"	4 1/2"	10.5# & 11.6#	7500'	*	Circulate

* Cement will be 3 staged and each stage will be determined by fluid caliper. DV tools will be run at approximately 5800' and 2800'.

BOP's: 475-7500' 10" 3000# double ram hydraulic preventors.



APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 12-30-81
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 PRODU-
TION ZONE. GIVE REASON FOR PROPOSED PROGRAM, IF ANY.

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

Signed Geoffrey D. Perry Title Operations Manager Date 6/25/81

(This space for State Use)

APPROVED BY M. L. Miller TITLE OIL AND GAS INSPECTOR DATE JUN 30 1981

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-103
Revised 10-

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO UPLIFT OR PLUG BACK TO A DIFFERENT PROPOSAL. USE APPLICATION FOR PERMIT - (FORM C-101) FOR SUCH PROPOSALS.)

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1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator: Maddox Energy Corporation /

3. Address of Operator: Suite 906, Blanks Building, Midland, Texas 79701

4. Location of Well: UNIT LETTER N 766 FEET FROM THE south LINE AND 1874 FEET FROM THE west LINE, SECTION 27 TOWNSHIP 23S RANGE 28E N.M.P.M.

5a. Indicate Type of Lease
State ☐ For ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name: Pardue Farms 27

9. Well No.: 6

10. Field and Pool, or Wildcat

12. County: Eddy

15. Elevation (Show whether DF, RT, GR, etc.)

3060' GL

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

OTHER ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

REMEDIAL WORK ☐

COMMENCE DRILLING OPNS. ☐

CASING TEST AND CEMENT JOBS ☒

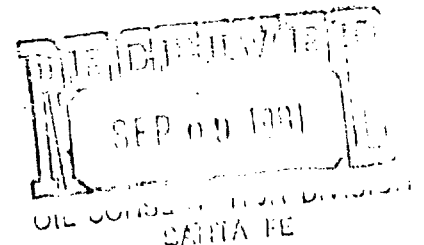
OTHER ☐

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

17. 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.

8/30/81 Ran 4 1/2 " casing to 7183', 25 joints 11.60# J-55 LT&C and 153 jts 10.50# J-55 ST&C. DV Tools at 5370 and 2365'.
Cemented first stage w/480 sx Class C 50/50 Poz w/2% gel, 6# salt & .5% CFR₂
Cemented second stage w/800 sx Halliburton Lite w/6# salt & 1/4 # flocele
Cemented third stage w/1600 sx Halliburton Lite w/8# salt & 1/4# flocele and 1500 sx Class C Neat. Circulated 25 sx after third stage. WOC 24 hours.
Released rotary rig 8/30/81. Waiting on completion unit.



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

SIGNED: Guadalupe B. Carr TITLE: Operations Manager DATE: 9/2/81

APPROVED BY: Mike Williams TITLE: OIL AND GAS INSPECTOR DATE: SEP 8 1981

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

Name of Operator

Maddox Energy Corporation

Address of Operator

906 Blanks Building, Midland, Texas 79701

Location of Well

LETTER J LOCATED 1980 FEET FROM THE south LINE AND 1980 FEET FROM

east LINE OF SEC. 27 TWP. 23S RGE. 28E NMPM

1. Date Spudded 5/21/81 16. Date T.D. Reached 6/8/81 17. Date Compl. (Ready to Prod.) 7/8/81 18. Elevations (DF, RKB, RT, GR, etc.) 3044 GL 19. Elev. Casinghead

20. Total Depth 7550 21. Plug Back T.D. 7510 22. If Multiple Compl., How Many - 23. Intervals Drilled By Rotary Tools 0-7550 Cable Tools

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

6261-7112 Bone Spring

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

GR, CNL, CDL, Micro SFL, LL

27. Was Well Cored

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	494	12 1/4	335 Sx C1 C & 2% CaCl	None
4 1/2"	10.5 & 11.6	7550	7 7/8	3 Staged: 1st - 550 Sx 50/50 Poz, 2% Gel, .5% CFR2, 6# Salt, Circ. DV Tool 4 hr. 2nd - 5811-2809' w/650 sx Hall. Lt, 6# salt, 1/4# floccle & 100 Sx C1 C Neat, Circ. DV Tool @ 2809. 3rd - 2809-surface w/1200 Sx Hall. Lt 8# salt, 1/4# floccle & 15 sx Class C Neat. Circ. 200 sx to pit.	

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

Perforation Record (Interval, size and number)	70 shots, .25" pfs	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
6261, 64, 67, 73, 87, 93, 6303, 28, 39, 75, 80, 93, 97, 6419, 44, 51, 58, 94, 6505, 22, 27, 43, 46, 52, 56, 59, 64, 69, 74, 6578, 82, 88, 6601, 10, 18, 30, 34, 44, 51, 56, 80, 6700, 02, 08, 47, 6849, 60, 73, 83, 90, 6902, 05, 14, 24, 28, 37, 43, 6970, 73, 86, 92, 97, 7016, 22, 84, 87, 95, 7104, 08, 7112		DEPTH INTERVAL 6261-7112 AMOUNT AND KIND MATERIAL USED 7000 gal 15% acid Frac w/90,000 gal XL-4 & 387,000# 20/40 Sand & 10% CO2

28. First Production 7/7/81 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Flowing

Date of Test	Hours Tested	Choke Size	Prodn. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
<u>7/8/81</u>	<u>24</u>	<u>1"</u>	<u>272</u>	<u>272</u>	<u>Est 100</u>	<u>460 Load</u>	
Flowing Pressure	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
<u>-</u>	<u>200#</u>	<u>272</u>	<u>272</u>	<u>Est 100</u>	<u>460 Load</u>	<u>48°</u>	

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

Vented - Will be connected to El Paso Natural Gas Co. Line

30. List of Attachments

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 Operations Manager TITLE Operations Manager DATE 7/9/81

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JUL 25 1978

O. C. C.
ARTESIA, OFFICE

30-015-22638

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐		7. Unit Agreement Name
b. Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐		8. Farm or Lease Name PARQUE FARMS 27
2. Name of Operator Maddox Energy Corporation		9. Well No. 1
3. Address of Operator 316 Bldg. of the Southwest, Midland, Texas 79701		10. Field and Pool, or Wildcat Undesignated
4. Location of Well UNIT LETTER H LOCATED 1980 FEET FROM THE north LINE AND 990 FEET FROM THE east LINE OF SEC. 27 TWP. 23-5 RGE. 28-E NMPM		12. County Eddy
18. Proposed Depth 13,300'		19A. Formation Morrow
20. Rotary or C.T. Rotary		21. Elevation (show whether DE, RL, etc.) 3035.5 G.L.
21A. Kind & Status Plug. Bond Active		21B. Drilling Contractor Warton
22. Approx. Date Work will start July 29, 1978		

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
24"	20"	94 #1 ft.	450'	675	Circulated
17 1/2"	13 3/8"	61 #1 ft.	3000'	2400	Circulated
12 1/4"	9 5/8"	43.5 & 47 #1 ft.	10400'	2800	Circulated
8 1/2"	7" liner	26 #1 ft.	12350'	300	Circulated
6 1/8"	4 1/2" liner	13.5 #1 ft.	13300'	100	Circulated

Blowout Preventer Program

450' to 3000' - 20" 2000 psi, annular
3000' to 10,400' - 12", 5000 psi, double ram, annular and rotating head
10,400' to 13,300' - 11", 10,000 psi, single ram, double ram, annular and rotating head.

Nearest dwelling to proposed location is approximately 1500 feet

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 10-28-78

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.

Signed Bill J. Baker Title Consulting Engineer Date 7/25/78

(This space for State Use)

APPROVED BY W. J. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUL 27 1978

CONDITIONS OF APPROVAL, IF ANY:
No blowout well has been assigned to the well until
all interests have been consolidated.

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LAND OFFICE	
OPERATOR	

Form C-105
Revised 11-1-80

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

DEC 3 1980

C. C. D.

1a. TYPE OF WELL		ARTESIA, OFFICE	
b. TYPE OF COMPLETION			
NEW WELL ☐	WORK OVER ☐	DEEPEN ☐	PLUG BACK ☒
		DIFF. RESVR. ☒	OTHER ☐

2. Name of Operator
Maddox Energy Corporation ✓

3. Address of Operator
Suite 906 Blanks Building, Midland, Texas 79701

4. Location of Well
UNIT LETTER H LOCATED 1980 FEET FROM THE north LINE AND 990 FEET FROM
THE east LINE OF SEC. 27 TWP. 23-S RGE. 28-E

15. Date Spudded 7/30/78 16. Date P.D. Reached 10/24/78 17. Date Compl. (Ready to Prod.) 11/25/80 18. Elevations (DF, RKB, RT, GR, etc.) 3035 GL 19. Elev. Casinghead 3034

20. Total Depth 13,100 21. Plug Back T.D. 6964 22. If Multiple Compl., How Many 1 23. Intervals Drilled By Rotary Tools 0-TD Cable Tools

24. Producing interval(s), of this completion - Top, Bottom, Name 6274-6588 Bone Spring

26. Type Log and Other Logs Run G/R correlation log

28. CASING RECORD (Report all casings set in well)					
CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94	403 KB	26"	750 sxs	none
13 3/8"	61	3015 KB	17"	4000 sxs	none
9 5/8"	43.5 & 47	10375 KB	12 1/4"	3055 sxs	none

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	6082	6082

31. Perforation Record (Interval, size and number)
6294-84, 6318-30, 6335-39, 6350-54, 6358-62, 6380-84, 6401-19, 6463-6476, 6481-84, 6555-6563, 6580, 6588 with one 375 shot per foot

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
All perms	1000 gal. 15% NE acid
All perms	4000 gal 15% NE acid, followed by 62,500 gal gel water, 130,000 pound sand & 20,000 gal CO ₂

33. PRODUCTION	
Date First Production <u>11/23/80</u>	Production Method (Flowing, gas lift, pumping - Size and type pump) <u>Flow</u>
Date of Test <u>11/25/80</u>	Well Status (Prod. or Shut-in) <u>SI for allowable</u>
Hours Tested <u>24</u>	Flow
Cheque Size <u>20/64</u>	Flow Per Test Period <u>85</u>
Oil - Bbl. <u>85</u>	Gas - MCF <u>100 est</u>
Water - Bbl. <u>50</u>	Gas - Oil Ratio <u>42°</u>
Flow Tubing Pressure <u>400#</u>	Wellhead Pressure <u>0</u>
Flow Rate (24-Hour Rate) <u>85</u>	Oil Gravity - API (Corr.) <u>42°</u>

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

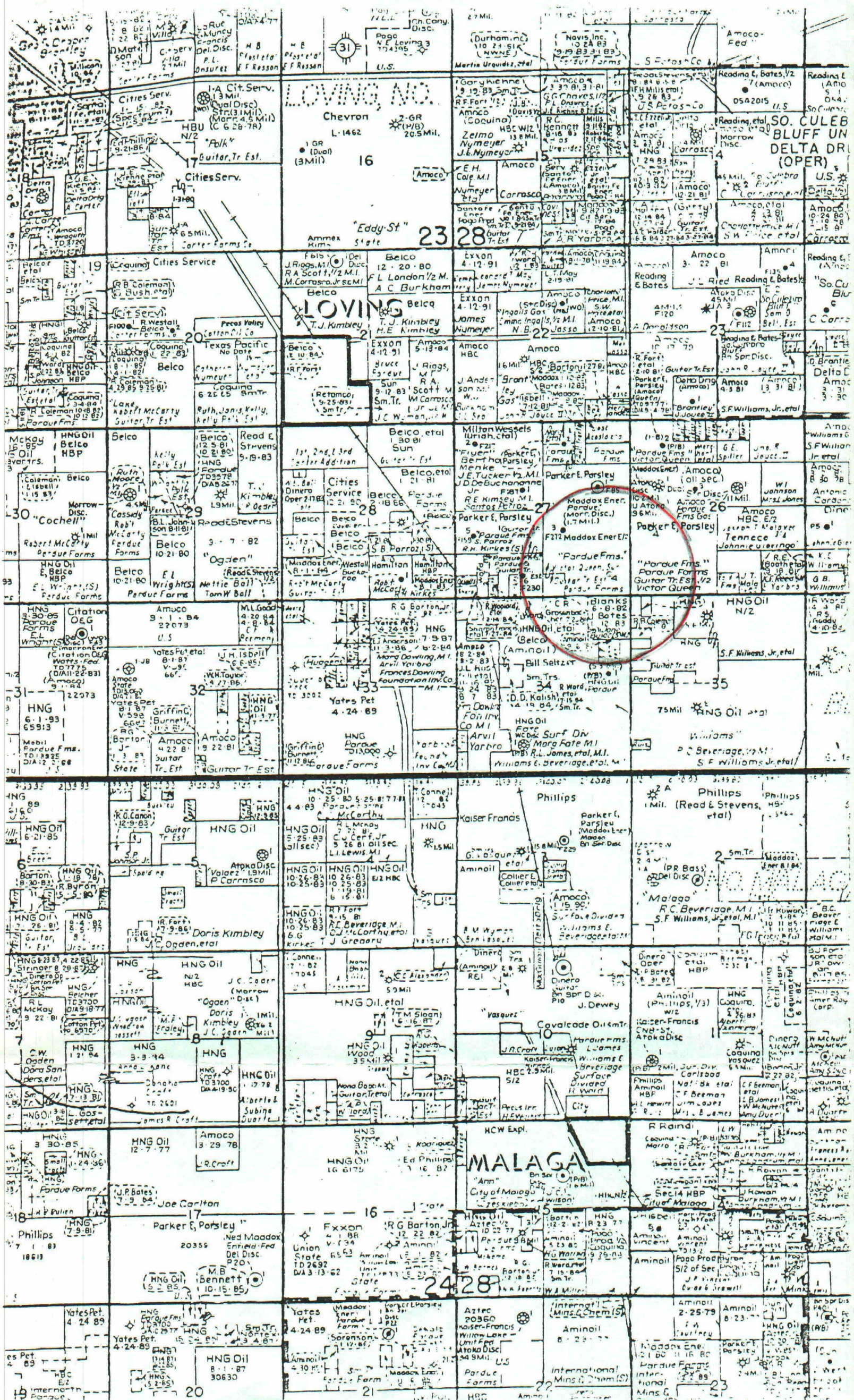
35. List of Attachments
Forms C-103 and C-104

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 Anderson A. Curry

TITLE Operations Manager

DATE 12/1/80



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 pub-
lished in the regular and entire edition of
said newspaper and not in supplement thereof
on the date as follows, to wit:

January 18, , 19 88
_____, 19 ____
_____, 19 ____
_____, 19 ____

that the cost of publication is \$ 5.70 ,
and that payment thereof has been made
and will be assessed as court costs.

E C Cantwell

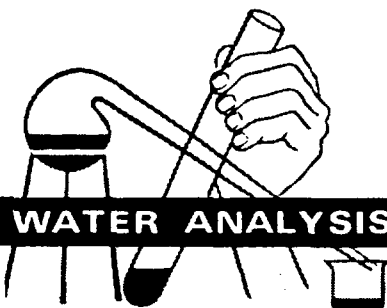
Subscribed and sworn to before me this

20 day of January, 19 88
Doyle

My commission expires 6/01/88
Notary Public

January 18, 1988
Parker & Parsley Petroleum Co.
P.O. Box 3178
Midland, TX 79703

Phone No. (915) 683-4768
Purpose: To convert the Pardue
Farms 27 Battery 1, Well 4 to an
injection well for disposal of pro-
duced water.
Location: Sec. 27, T-23S, R-28E,
660' FSL & 660' FEL
Eddy County, New Mexico
Formation: Bone Spring
Max. Injection Rate: 1250 gal
All interested parties must file
objections or requests for hear-
ing with the New Mexico Oil Con-
servation Division, P.O. Box 2088,
Santa Fe, New Mexico 87501
within 15 days of this notice.



WATER ANALYSIS REPORT



BOX 4513
ODESSA, TEXAS 79760

TECH SERVICE LABORATORY: Odessa, Texas Phone (915) 363-9105
RESEARCH LABORATORY: Houston, Texas Phone (713) 431-2561
PLANT: Odessa, Texas Phone (915) 363-9105

REPORT FOR Carter Hughes DATE SAMPLED 8/4/87
CC Mike Reeves DATE REPORTED 8/6/87
CC J. Skidmore FIELD, LEASE, OR WELL Pardue Farms 27-4
CC _____ COUNTY _____ STATE _____
COMPANY Parker & Parsley FORMATION _____
ADDRESS _____ DEPTH _____
SERVICE ENGINEER Jim Spradley SUBMITTED BY Jim Spradley

CHEMICAL ANALYSIS (AS PARTS PER MILLION)

Chemical Component	Field, Lease, or Well				
	27-4				
Chloride (Cl)	151000				
Iron (Fe)	221				
Total Hardness (Ca CO ₃)	18000				
Calcium (Ca)	5934				
Magnesium (Mg)	777				
Bicarbonate (HCO ₃)	707				
Carbonate (CO ₃)	0				
Sulfate (SO ₄)	1218				
Hydrogen Sulfide (H ₂ S)					
Specific Gravity	1.178				
Density, lb./gal.	9.817				
pH - Beckman [] Strip []	6.350				
Carbon dioxide					
Sodium (calc.)	90572				
TDS	250210				
CaSO ₄ Sol @ 82F	2542				
CaSO ₄ Present	1727				

OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

CaCO₃ SI @ 86 F +1.22
104 F +1.45
122 F +1.71
140 F +2.00
158 F +2.32

RESISTIVITY 0.045 @ 67.6 F

REPORTED BY

Joseph A. Lee TITLE *Chemist*



C. B. Parker, P.O. Box 1000, Midland, TX 79702
Phone (505) 827-5807

December 29, 1987

HNG Oil Company
c/o Enron Oil & Gas Company
P.O. Box 2267
Midland, TX 79702

RE: SWD Conversion
Eddy County, New Mexico

Gentlemen:

Please find enclosed a copy of our application to convert our Pardue Farms 27 Battery 1, Well #4 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, New Mexico 87501 within 15 days of this notice. The person with whom you should contact at the Commission is David Catanach, (505) 827-5807.

Your prompt attention to this matter would be appreciated. Please feel free to contact me if you have any questions.

Sincerely,

Larry D. Brown
Senior Operations Engineer

LDB/sc

Xc: File
L.D. Brown



PARKER & PARSELEY

*Fold at line over top of envelope to the right
of the return address.*

CERTIFIED

4 6 8 9 2 0 9 2 8 7

MAIL

ING OIL Company
C/O Enron Oil & Gas Company
P.O. Box 2267
Midland, TX 79702



P.O. Box 1188 Midland, Texas 79702
Suite 800 Irving, Texas 75415 683-4768

December 29, 1987

Billie Queen
Rt. 211 Ash Road
Loving, NM 88256

RE: SWD Conversion
Eddy County, New Mexico

Gentlemen:

Please find enclosed a copy of our application to convert our Pardue Farms 27 Battery 1, Well #4 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, New Mexico 87501 within 15 days of this notice. The person with whom you should contact at the Commission is David Catanach, (505) 827-5807.

Your prompt attention to this matter would be appreciated. Please feel free to contact me if you have any questions.

Sincerely,

Larry D. Brown
Senior Operations Engineer

LDB/sc

Xc: File
L.D. Brown

PARKER & PARSEY PETROLEUM
P. O. BOX 3178
ANDLAND, TEXAS 76002

*Fold at line over top of envelope to the right
of the return address*

CERTIFIED

P 689 789 285

MAIL

RT. 211 Ash Road
Lovington, NM 88240



P.O. Box 3178 Midland, Texas 79702
Suite 800 Energy Plaza (515) 683-4768

December 29, 1987

Amoco Production Company
P.O. Box 4072
Odessa, TX 79760

Attention: Mr. Maurice Mitchell

RE: SWD Conversion
Eddy County, New Mexico

Dear Mr. Mitchell:

Please find enclosed a copy of our application to convert our Pardue Farms 27 Battery 1, Well #4 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, New Mexico 87501 within 15 days of this notice. The person with whom you should contact at the Commission is David Catanach, (505) 827-5807.

Your prompt attention to this matter would be appreciated. Please feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads 'Larry D. Brown'. The signature is written in a cursive, flowing style.

Larry D. Brown
Senior Operations Engineer

Xc: File
L.D. Brown



PARKER & PARSELEY

Fold at line over top of envelope to the right
of the return address

CERTIFIED

P 659 287 286

MAIL

Amoco Production Company
P.O. Box 4077
Odessa, TX 79760

Attn: Maurice Mitchell