

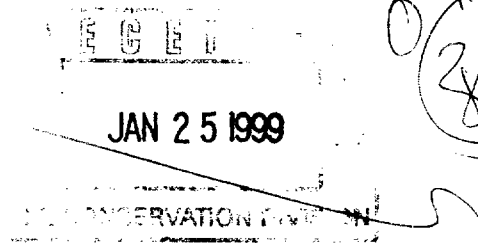


marbob
energy corporation

SWD 2/9/99
748

January 21, 1999

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505



Attention: Mrs. Lori Wrotenbery, Division Director

Dear Mrs. Wrotenbery:

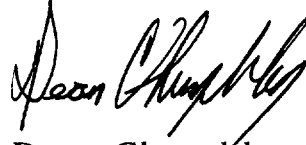
Enclosed herewith, is the Marbob Energy Corporation Application for Authorization to Inject concerning the E L Federal No. 8 located at 380' FSL and 990' FEL in Section 21 of Township 17 South, Range 30 East in Eddy County, New Mexico.

Application is made pursuant to Rule 701C of the Division Rules and Regulations for Administrative Approval for Disposal into the Yeso/Paddock formation. The waters to be disposed of will consist of produced waters from the Seven Rivers, Grayburg, San Andres, and Yeso/Paddock formations. There were no fresh water wells found within one mile of the proposed salt water disposal well. Productive quantities of oil and gas exist within one half mile of the proposed well. However, Marbob Energy has been unsuccessful in our attempt to produce any oil or gas from the E L Federal No. 8. The proposed injection interval is geologically "down-dip" from other successful wells in the area. An injectivity test has been performed and encountered no pressure build up.

Publication of Marbob's intent to utilize the subject well for water disposal has been made in the Artesia Daily press, and copies of this Application have been mailed to each leasehold operator within one half mile of the well via certified mail. Please advise me as to your requirements for copies of legal notice, notice to leasehold operators, etc.

Marbob Energy Corporation respectfully request your approval of the before mentioned Application at the expiration of the fifteen day waiting period.

Sincerely,

A handwritten signature in black ink, appearing to read "Dean Chumbley", written in a cursive style.

Dean Chumbley
Land Department

DC/mm
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 26 1998

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

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PREMIER OIL AND GAS, INC.

3a. Area Code & Phone No.

505/748-2093

3. ADDRESS OF OPERATOR

P.O. BOX 1246, ARTESIA, NM 88211

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

1650 FSL 430 FWL

At proposed prod. zone

SAME

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

EAST OF ARTESIA ON HWY 82 APPROX 27.1 MILES

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

430'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6000'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3630' GR

22. APPROX. DATE WORK WILL START*

SEPTEMBER 15, 1998

23.

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	J-55	LTC	350'	300 SX
7 7/8"	5 1/2"	17#	J-55	LTC	6000'	SUFFICIENTLY COVER ALL OIL & GAS HORIZONS

PAY ZONE WILL BE SELECTIVELY STIMULATED AND PERFORATED AS
NEEDED FOR OPTIMUM PRODUCTION.

ATTACHED ARE: 1. ACREAGE LOCATION & DEDICATION PLAT
2. SURFACE USE PLAN
3. SUPPLEMENTAL DRILLING DATA

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

PRESIDENT

DATE

9/1/98

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Acting Assistant Field Office Manager,
Lands and Minerals

DATE

OCT 22 1998

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

OFFICE FOR NUMBER
OF COPIES REQUIRED
(Other instructions on
reverse side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 26 1998

BLM Roswell District
Modified Form No.
NM060-3160-2

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 ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Marbob Energy Corporation

3a. Area Code & Phone No.
505-748-3303

3. ADDRESS OF OPERATOR
P. O. BOX 227 Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1650 FSL 965 FEL
At proposed prod. zone
SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
EAST OF ARTESIA ON HWY 82 APPROX 25.2 MILES

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
965'

16. NO. OF ACRES IN LEASE
200

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

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

19. PROPOSED DEPTH
6000'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3633' GR

22. APPROX. DATE WORK WILL START*
6/1/98

5. LEASE DESIGNATION AND SERIAL NO.
NM0467932

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
E.L. FEDERAL

9. WELL NO.
6

10. FIELD AND POOL, OR WILDCAT
LOCO HILLS PADDOCK

11. SEC. T. R. M., OR BLK. AND SURVEY OR AREA
SEC. 21-T17S-R30E

12. COUNTY OR PARISH
EDDY

13. STATE
NM

23. PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	MEASURED DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	J-55	LT&C	350'	300 SX, CIRC
7 7/8"	5 1/2"	17#	J-55	LT&C	6000'	1100 SX, ATTEMPT TO CIRC

PAY ZONE WILL BE SELECTIVELY PERFORATED AND STIMULATED AS NEEDED FOR OPTIMUM PRODUCTION.

- ATTACHED ARE:
1. WELL LOCATION AND ACREAGE DEDICATION PLAT
 2. SURFACE USE PLAN
 3. SUPPLEMENTAL DRILLING DATA

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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 Robin Cochran TITLE Production Clerk DATE 4/22/98

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE Acting Asst. Dir., Minerals DATE 5-22-98
CONDITIONS OF APPROVAL, IF ANY:

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐

3. NAME OF OPERATOR
Marbob Energy Corporation

3a. Area Code & Phone No.
505-748-3303

4. ADDRESS OF OPERATOR
P. O. BOX 227 Artesia, NM 88210

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
990 FSL 330 FEL
At proposed prod. zone
SAME

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
EAST OF ARTESIA ON HWY 82 APPROX 25.2 MILES

7. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)
330'

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

9. ELEVATIONS (Show whether DF, RT, GR, etc.)
3614' GR

10. FIELD AND POOL, OR WILDCAT
LOCO HILLS PADDOCK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 21-T17S-R30E

12. COUNTY OR PARISH
EDDY

13. STATE
NM

14. NO. OF ACRES IN LEASE
200

15. PROPOSED DEPTH
6000'

16. NO. OF ACRES ASSIGNED TO THIS WELL
40

17. ROTARY OR CABLE TOOLS
ROTARY

18. APPROX. DATE WORK WILL START*
6/1/98

PROPOSED CASING AND CEMENTING PROGRAM						
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	J-55	LT&C	350'	300 SX, CIRC
7 7/8"	5 1/2"	17#	J-55	LT&C	6000'	1100 SX, ATTEMPT TO CIRC

PAY ZONE WILL BE SELECTIVELY PERFORATED AND STIMULATED AS NEEDED FOR OPTIMUM PRODUCTION.

ATTACHED ARE: 1. WELL LOCATION AND ACREAGE DEDICATION PLAT 2. SURFACE USE PLAN 3. SUPPLEMENTAL DRILLING DATA

RECEIVED
OCD - ARTESIA

NOTE: 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 test program, if any.

SIGNED Robin Cockrum

TITLE Production Clerk

DATE 4/22/98

This space for Federal or State office use)

APPROVED BY

TITLE Acting ASST. COMMISSIONER

DATE MAY 22 1998

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Oil Cons. Division
811 S. 1st Street
Alamogordo, NM 88210-2834

SUBMIT IN TRIPLICATE
(Other Instructions on reverse side)
Form approved. No. 1004-0136
Expires December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☒

b. TYPE OF WELL

OIL WELL ☒

Gas Well ☐

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Mack Energy Corporation

3. ADDRESS AND TELEPHONE NO.

P.O. Box 960 Artesia, NM 88211-0960

(505) 748-1288

4. LOCATION OR WELL (Report location clearly and in accordance with any state requirement.)

At surface

330 FSL 2310 FWL

At proposed prod. zone

330 FSL 2310 FWL

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

1/4 miles South of Loco Hills, NM

5. LEASE DESIGNATION AND SERIAL NO.

LC-029342-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARMOR LEASE NAME, WELL NO

Federal X #5

9. API WELL NO

30-015-04249

10. FIELD AND POOL, OR WILDCAT

Grayburg Jcksn, SR, QN, GB, SA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 21-T17S-R30E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

330

16. NO. OF ACRES IN LEASE

120

17. NO OF ACRES IN LEASE TO THIS WELL

40

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

660

19. PROPOSED DEPTH

4900

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

22. APPROX. DATE WORK WILL START*

5/8/97

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	472	50
7 7/8	7	20	1799	50
6 1/8	4 1/2, J-55	11.6	4900	Circ

Mack Energy Proposes to deepen well from PBTD of 1920' to 4900', Log well and run 4 1/2 J-55 liner from 4900' to Surface and cement liner from 4900' to 2000'. Perf liner and test for commercial production. Mack Energy requests a workover pit for this proposed work.

Reserve gas

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Curtis D. Carter TITLE Production Clerk DATE 1/29/97

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [Signature] TITLE REGIONAL ENGINEER DATE 2/4/97

*See Instructions 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.

(December 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

811 S. 1st Street
Artesia, NM 88210-2834
5. LEASE DESIGNATION AND SERIAL NO.
LC-029342-A

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☒

b. TYPE OF WELL

OIL WELL ☒

Gas Well ☐

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Mack Energy Corporation

3. ADDRESS AND TELEPHONE NO.

P.O. Box 960 Artesia, NM 88211-0960

(505) 748-1288

4. LOCATION OR WELL (Report location clearly and in accordance with any state requirement.)

At surface

330 FSL 1650 FWL

At proposed prod. zone

330 FSL 1650 FWL

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

1/4 miles South of Loco Hills, NM

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARMOR LEASE NAME, WELL NO

Federal X #3

9. API WELL NO

30-015-04246

10. FIELD AND POOL, OR WILDCAT

Grayburg Jcksn, SR, QN, GB, SA

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 21-T17S-R30E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

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

330

16. NO. OF ACRES IN LEASE

120

17. NO OF ACRES IN LEASE
TO THIS WELL

40

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

660

19. PROPOSED DEPTH

4900

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

22. APPROX. DATE WORK WILL START*

4/24/97

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	552	50
7 7/8	7	20	1805	50
6 1/8	4 1/2, J-55	11.6	4900	Circ

Mack Energy Proposes to deepen well from PBTD of 1880' to 4900', Log well and run 4 1/2 J-55 liner from 4900' to Surface and cement liner from 4900' to 2000'. Perf liner and test for commercial production. Mack Energy requests a workover pit for this proposed work.

reserve acc

FILED
1997
APR 24
EDDY COUNTY
NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

Crista D. Carter

TITLE

Production Clerk

DATE

1/29/97

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

JOSE L. RODRIGUEZ

TITLE

Asst. Dir.

DATE

2/4/97

*See Instructions 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
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒

Gas Well ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Mack Energy Corporation

3. ADDRESS AND TELEPHONE NO.

P.O. Box 960, Artesia, NM 88211-0960

(505) 748-1288

4. LOCATION OF WELL (Report location clearly and in accordance with any applicable regulations.)

At surface

At proposed prod. zone

1550 FSL 2310 FWL

1550 FSL 2310 FWL

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

.25 miles South Loco Hills

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

230

(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.

330

16. NO. OF ACRES IN LEASE

120

19. PROPOSED DEPTH

5500

17. NO. OF ACRES IN LEASE TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3641 GR

22. APPROX. DATE WORK WILL START*

5/31/98

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	K-55, 13 3/8	48	425	Circ
12 1/4	K-55, 8 5/8	24	1040	Circ
7 7/8	J-55, 5 1/2	17	5500	Suff to Circ

Mack Energy proposes to drill to a depth sufficient to test the Paddock and San Andres formation for oil. If productive, 5 1/2" casing will be cemented. If non-productive, the well will be plugged and abandoned in a manner consistent with federal regulation. Specific programs as per Onshore Oil and Gas Order #1 are outlined in the following attachments:

Drilling Program

Surface Use & Operating Plan

Exhibit #1 & 1A - Blowout Preventer Equipment

Exhibit #2 - Location and Elevation Plat

Exhibit #3 - Planned Access Road

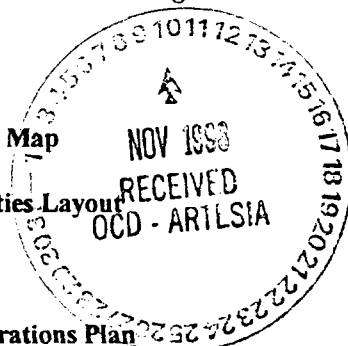
APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

Exhibit #4 - One-Mile Radius Map

Exhibit #5 - Production Facilities Layout

Exhibit #6 - Location Layout

Exhibit #7 - H2S Drilling Operations Plan



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

Crisa D. Carter

TITLE

Production Clerk

DATE

4/7/98

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title or other rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

Acting

APPROVED BY

(ORIG. SGD.) ARMANDO A. LOPEZ

TITLE

Assistant Field Office Manager,
Lands and Minerals

DATE

NOV 09 1998

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

SUBMIT IN THIS MANNER

(Other Instructions on
reverse side)

Form approved.

Budget Bureau No. 1004-0136

Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒Gas
Well ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Mack Energy Corporation

3. ADDRESS AND TELEPHONE NO.

P.O. Box 960, Artesia, NM 88211-0960

(505) 748-1288

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

At surface

1750
990 FSL 1650 FWL

At proposed prod. zone

1750
990 FSL 1650 FWL

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

.25 miles Southeast Loco Hills

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

330

16. NO. OF ACRES IN LEASE

80

17. NO OF ACRES IN LEASE
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED
OR APPLIED FOR, ON THIS LEASE, FT.

660

19. PROPOSED DEPTH

5500

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3640

ROSWELL CONTROLLED WATER BASIN

22. APPROX. DATE WORK WILL START*

7/31/98

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	K-55, 13 3/8	48	450	Circ
12 1/4	K-55, 8 5/8	24	1040	Circ
7 7/8	J-55, 5 1/2	17	5500	Suff to Circ

Mack Energy proposes to drill to a depth sufficient to test the Paddock and San Andres formation for oil. If productive, 5 1/2" casing will be cemented. If non-productive, the well will be plugged and abandoned in a manner consistent with federal regulation. Specific programs as per Onshore Oil and Gas Order #1 are outlined in the following attachments:

Drilling ProgramSurface Use & Operating PlanExhibit #1 & 1A - Blowout Preventer EquipmentExhibit #2 - Location and Elevation PlatExhibit #3 - Planned Access RoadExhibit #4 - One- Mile Radius MapExhibit #5 - Production Facilities LayoutExhibit #6 - Location LayoutExhibit #7 - H2S Drilling Operations Plan

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Matt J. Brewer TITLE Geological Engineer DATE 5/04/98

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

Acting Assistant Field Office Manager,
Lands and MineralsAPPROVED BY (ORIG. SGD.) ARMANDO A. LOPEZ TITLE _____ DATE OCT 11 1998

*See Instructions On Reverse Side

Unichem International

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company : Marbob

Date : 10-06-1998

Location: Randy Federal - Battery (on 10-05-1998)

Specific Gravity:

Total Dissolved Solids:

pH:

Resistivity:

IONIC STRENGTH:

Sample 1

1.147

205424

6.50

20.000 ohms @ 68[F

3.650

CATIONS:

		me/liter	mg/liter
Calcium	(Ca+2)	124	2480
Magnesium	(Mg+2)	80.0	972
Sodium	(Na+1)	3320	76300
Iron (total)	(Fe+2)	0.376	10.5

ANIONS:

		me/liter	mg/liter
Bicarbonate	(HCO3-1)	13.0	793
Carbonate	(CO3-2)	0	0
Hydroxide	(OH-1)	0	0
Sulfate	(SO4-2)	39.6	1900
Chloride	(Cl-1)	3470	123000

SCALING INDEX (positive value indicates scale)

Temperature	Calcium Carbonate	Calcium Sulfate
86[F 30[C	0.72	-36
104[F 40[C	1.4	-35
122[F 50[C	1.7	-35
140[F 60[C	2.0	-35
168[F 76[C	2.5	-36
176[F 80[C	2.7	-36

Comments:

c: Bill Polk

Jay Brown

I

Attachment C-108 VII (a)

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION
APPLICATION FOR ADMINISTRATIVE APPROVAL
MARBOB ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

E L FEDERAL #8

TABLE OF CONTENTS

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Miscellaneous Data	Attachment IX

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? Yes No
- II. OPERATOR: Marbob Energy Corporation
ADDRESS: Post Office Box 227, Artesia, NM 88211-0227
CONTACT PARTY: Dean Chumbley PHONE: (505) 748-3303
- 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 X 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 geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources 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 sources 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: Dean Chumbley TITLE: Land Department
SIGNATURE: *Dean Chumbley* DATE: January 21, 1999
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate 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 the 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, 2040 South Pacheco, Santa Fe, New Mexico 87505, 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.

APPLICATION FOR AUTHORIZATION TO INJECT
MARBOB ENERGY CORPORATION

E L FEDERAL #8

III. Injection Well Data

1. Proposed Rate of Injection:
 - A. Average daily rate of injection: 2,000 barrels
 - B. Maximum daily rate of injection: 10,000 barrels
2. Type of System:

System will be closed
3. Anticipated Injection Pressure:

It is anticipated that the injection pressure will be nominal but in no event would the pressure exceed 0.2 psi per foot of depth to the top of the injection zone at 4710 feet or 942 psi.
4. Source of Injection Water:

Source of disposal water is Seven Rivers, Grayburg, San Andres, and Yeso wells located in Sections 15, 22, and 23 of Township 17 South, Range 30 East and wells located in Sections 17, 18, 19, and 20 of Township 17 South, Range 31 East. See Attachment VII (a) for analysis of disposal water.
5. Disposal Zone Water Analysis:

Attachment VII (a) is a water analysis from Marbob's Randy Federal lease located in the S/2NE/4 of Section 22 in Township 17 South, Range 30 East. The Randy Federal produces from the same formation as the proposed injection interval on the E L Federal #8. Marbob was unsuccessful in our attempt to produce oil from the E L Federal #8, geologically the proposed salt water disposal well is "down-dip" from other wells producing from the same formation.

VIII Geologic Data

A. Injection Zone

1. Name: Yeso/Paddock
2. Lithology: Dolomite
3. Thickness: \pm 600'
4. Depth: \pm 4700'

B. Water Compatibility: Sample results attached

C. Fresh Water Aquifers: None known in this area

IX Proposed Conversions / Stimulation Program

Move in and rig up pulling unit. Pick up plastic coated R-4 packer and trip in hole with New J-55 2 7/8" IPC tubing. Set packer at 4670 feet and load casing annulus with packer fluid. Perform casing test. Nipple up tree and put well in service.

X Logging Data

Logs for these wells have been filed with the Division

XI Fresh Water Analysis

No fresh water wells of record produce within one mile of the proposed disposal well

XIII Proof of Notice

A copy of this application has been furnished to the land owner of the land on which the proposed well is located and the leasehold operators within the area of review. Also, a notice has been published in the Artesia Daily Press, Artesia, New Mexico

APPLICATION FOR AUTHORIZATION TO INJECT
MARBOB ENERGY CORPORATION.

E L FEDERAL #8

AFFIRMATIVE STATEMENT

I have examined all geologic and engineering data available for the Loco Hills field and find no evidence of open faults and other hydrologic connection between the disposal zone and any underground drinking water sources.

Name: Martin Joyce

Date: 1-21-99

Signature: 

Title: Geologist

ARTESIA DAILY PRESS
LEGAL NOTICES

Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico 88211-0227 has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the E L Federal #8 is located 380 feet from the south line and 990 feet from the east line, Section 21, Township 17 South, Range 30 East, Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Seven Rivers, Grayburg, San Andres, and Yeso formations. The disposal water will be injected into the Yeso/Paddock formation at a depth 4710' - 5128'. A maximum surface pressure of 942 psi, and a maximum rate of 10,000 BWPB. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 2040 South Pacheco Street, Santa Fe, New Mexico 87505 within fifteen (15) days of this notice. Any interested party with questions or comments may contact Dean Chumbley at Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico 88211-0227 or call (505) 748-3303.

Published in the Artesia Daily Press, Artesia, New Mexico _____, 1999.

OPERATOR: Marbob Energy CorporationWELL NAME & NUMBER: E L Federal No. 8WELL LOCATION: 380' FSL and 990' FEL P 21 17S 30E

FOOTAGE LOCATION

UNIT LETTER

SECTION 21 TOWNSHIP 17S RANGE 30EWELLBORE SCHEMATIC

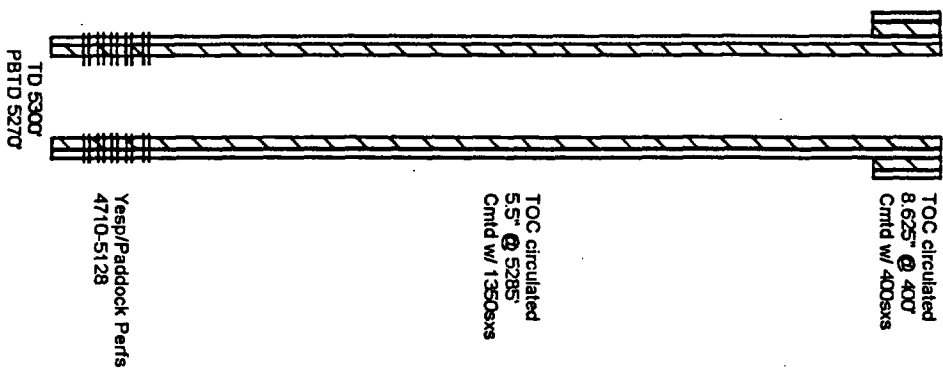
Marbob Energy

E. L. 8

380' FSL 990' FEL

Sec21 - 17S - 30E

Eddy Co., NM

WELL CONSTRUCTION DATASurface CasingHole Size: 12 1/4" Casing Size: 8 5/8" J-55 24#Cemented with: 400 sx prem plus sx. or ft³Top of Cement: Surface Method Determined: CirculatedIntermediate CasingHole Size: Casing Size: Cemented with: sx. or ft³Top of Cement: Method Determined: Production CasingHole Size: 7 7/8" Casing Size: 5 1/2" J-55 17#Cemented with: 400 sx 50/50 POZ - 1st stage 650sx Hall Lite & sx. or ft³Top of Cement: 300sx Hall Lite - 2nd stage Method Determined: CirculatedTotal Depth: 5285'Injection Interval4710' feet to 5128'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: _____ Lining Material: _____

Type of Packer: _____

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes ☐ No ☒

If no, for what purpose was the well originally drilled? Oil and Gas Production

2. Name of the Injection Formation: Yeso/Paddock

3. Name of Field or Pool (if applicable): Loco Hills

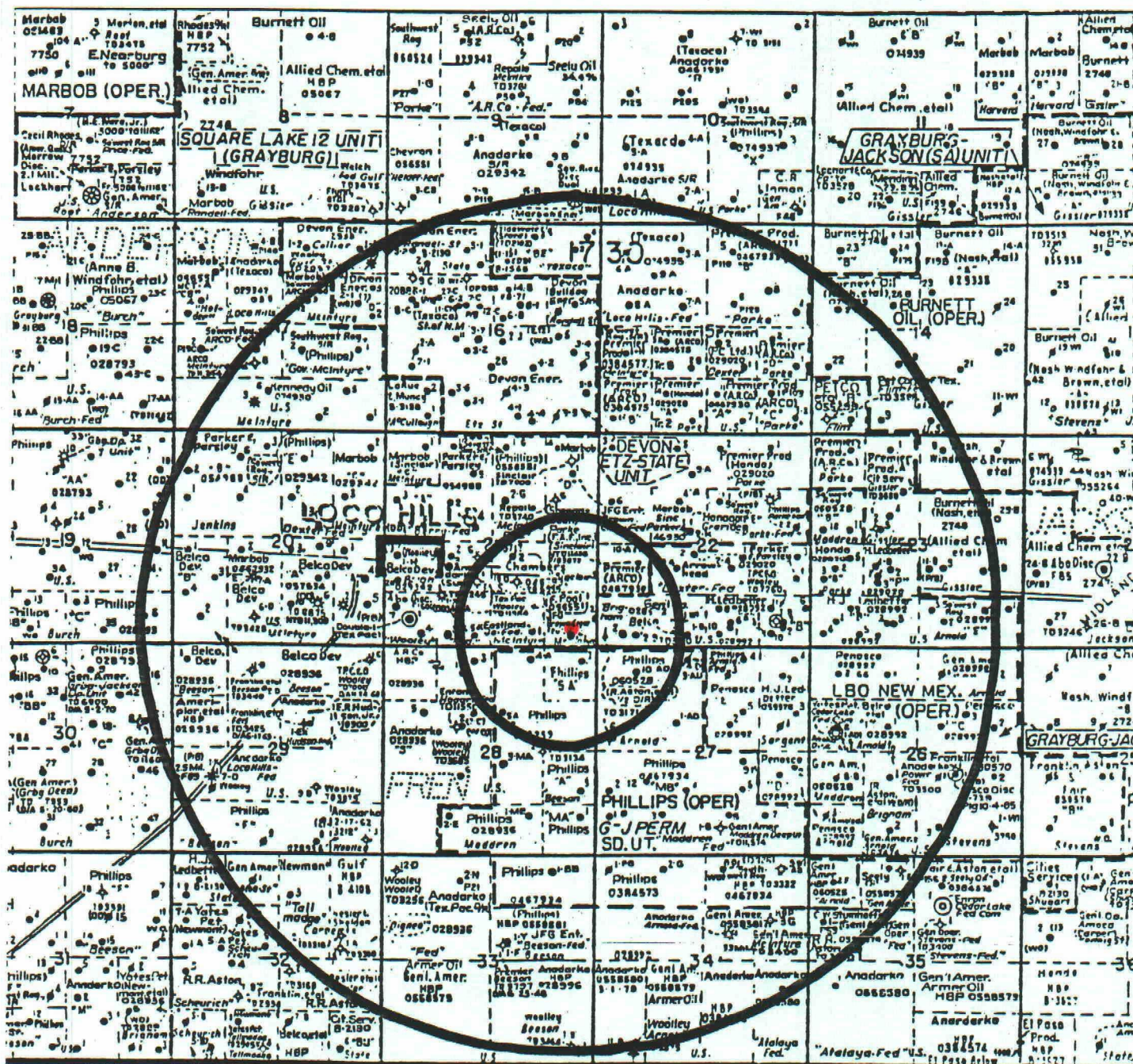
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

No other zones have been perforated

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

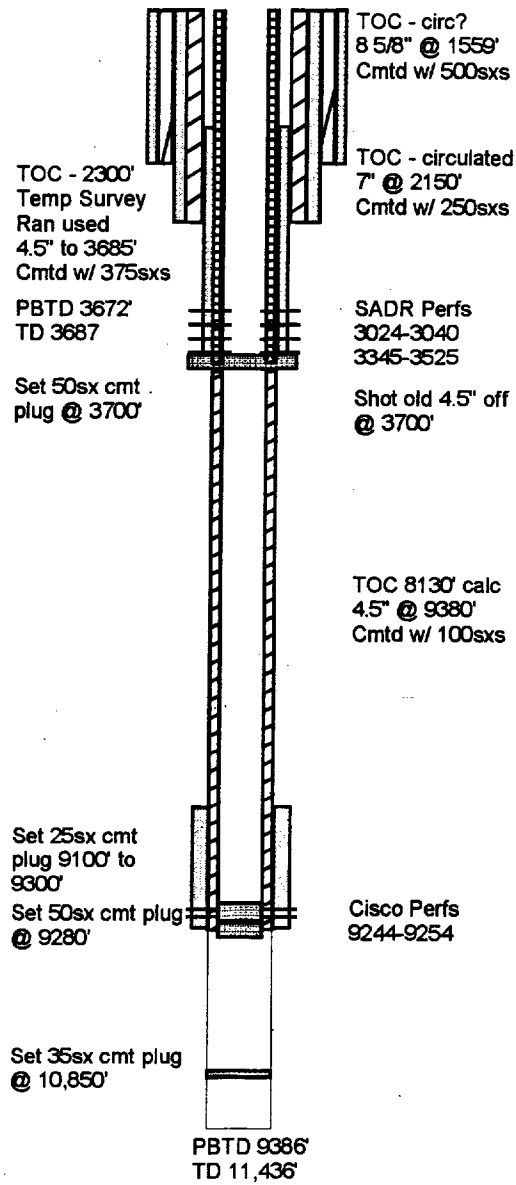
San Andres 3400 - 3650

Abo + 6500 - 6800

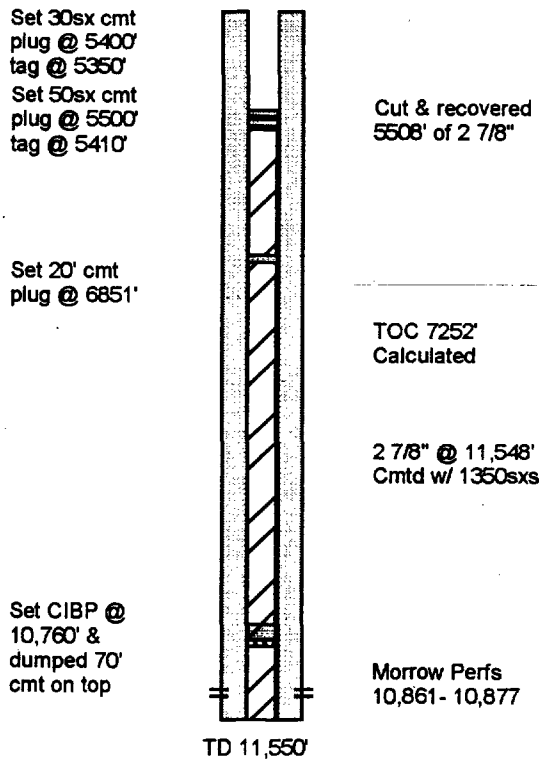
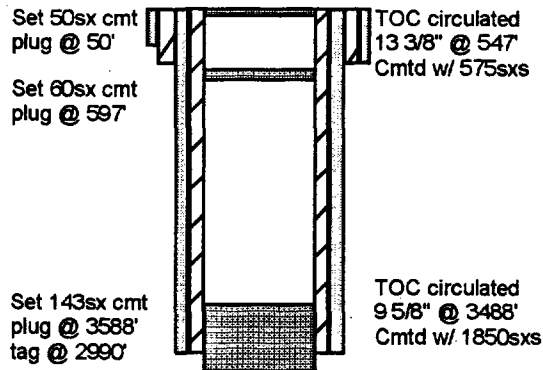


WELL NAME	OPERATOR	LOCATION	TYPE	SPUD	COMPLETED	TD/PBTD	INTERVAL	FORMATION	CASING PROGRAM
E.L. FEDERAL #4	MARBOB ENERGY CORPORATION	2310' FSL - 865' FEL SECTION 21-17S-30E	OIL	07/14/98	NOT COMPLETED	TD-5000'	N/A	YESO / PADDOCK	8 5/8 @ 420' CMTD W/ 400 SX 5 1/2 @ 4973' CMTD: 1ST STAGE W/400SX 2ND STAGE W/1100SX
E.L. FEDERAL #5	MARBOB ENERGY CORPORATION	2310' FSL - 330' FEL SECTION 21-17S-30E	OIL	07/25/98	NOT COMPLETED	TD - 5050'	N/A	YESO / PADDOCK	8 5/8 @ 428' CMTD W/400 SX 5 1/2 @ 5048' CMTD: 1ST STAGE W/400SX 2ND STAGE W/1150SX
PARRE A FEDERAL #12	PREMIER OIL & GAS, INC.	2310' FSL - 990' FEL SECTION 22-17S-30E	OIL	11/04/98	NOT COMPLETED	TD - 5200'	N/A	YESO / PADDOCK	8 5/8 @ 422' CMTD W/400 SX 5 1/2 @ 5200' CMTD: 1ST STAGE W/300SX 2ND STAGE W/1600SX
E.L. FEDERAL #6	MARBOB ENERGY CORPORATION	1650' FSL - 905' FEL SECTION 21-17S-30E	OIL	NOT DRILLED YET	N/A	PROPOSED TO DEPTH 6000'	N/A	YESO / PADDOCK	SEE ATTACHED APPLICATION FORM 3160-3
E.L. FEDERAL #7	MARBOB ENERGY CORPORATION	990' FSL - 330' FEL SECTION 21-17S-30E	OIL	NOT DRILLED YET	N/A	PROPOSED TO DEPTH 6000'	N/A	YESO / PADDOCK	SEE ATTACHED APPLICATION FORM 3160-3
PARRE A FEDERAL #16	PREMIER OIL & GAS, INC.	1650' FSL - 430' FWL SECTION 22-17S-30E	OIL	NOT DRILLED YET	N/A	PROPOSED TO DEPTH 6000'	N/A	YESO / PADDOCK	SEE ATTACHED APPLICATION FORM 3160-3
FEDERAL X #5	MACK ENERGY CORPORATION	330' FSL - 2310' FWL SECTION 21-17S-30E	OIL	NOT DRILLED YET	N/A	PROPOSED TO DEPTH 4900'	N/A	SEVEN RIVERS, QUEEN, GRAYBURG, SAN ANDRES	SEE ATTACHED APPLICATION FORM 3160-3
FEDERAL X #3	MACK ENERGY CORPORATION	330' FSL - 1650' FWL SECTION 21-17S-30E	OIL	NOT DRILLED YET	N/A	PROPOSED TO DEPTH 4900'	N/A	SEVEN RIVERS, QUEEN, GRAYBURG, SAN ANDRES	SEE ATTACHED APPLICATION FORM 3160-3
WOOLLEY FEDERAL #5	MACK ENERGY CORPORATION	1550' FSL - 2310' FWL SECTION 21-17S-30E	OIL	NOT DRILLED YET	N/A	PROPOSED TO DEPTH 5500'	N/A	YESO / PADDOCK	SEE ATTACHED APPLICATION FORM 3160-3
BRIGLIAM B #4	MACK ENERGY CORPORATION	990' FSL - 1750' FWL SECTION 22-17S-30E	OIL	NOT DRILLED YET	N/A	PROPOSED TO DEPTH 5500'	N/A	YESO / PADDOCK	SEE ATTACHED APPLICATION FORM 3160-3
W.D. MCINTYRE "D" #10	SINCLAIR OIL & GAS CO.	1650' FSL - 1950' FEL SECTION 21-17S-30E	P & A	08/27/60	DRY HOLE	TD - 6995'	N/A	N/A	SEE ATTACHED SCHEMATIC
BOGART FED COM #1	ENRON	2030' FSL - 1830' FWL SECTION 28-17S-30E	P & A	02/02/91	DRY HOLE	TD - 11,550'	0.861 - 10.87	MORROW	SEE ATTACHED SCHEMATIC
SINCLAIR FEDERAL #2	CHAMBERS & KENNEDY	2230' FSL - 2100' FEL	P & A	10/11/61	11/23/61	TD - 6873' PBTD - 6871'	6863 - 6866	ALBO	SEE ATTACHED SCHEMATIC
WOOLLEY #2	MACK ENERGY CORPORATION	1750' FWL - 890' FSL SECTION 21-17S-30E	P & A	CURRENTLY P & A - RE-ENTRY HAS BEEN PROPOSED		PROPOSED TO DEPTH 5500'	N/A	YESO / PADDOCK	SEE ATTACHED SCHEMATIC
DALE H PARRE "A" #10 formerly SINCLAIR FEDERAL #1	PREMIER OIL & GAS	2100' FSL - 990' FWL SECTION 22-17S-30E	OIL	07/17/76	08/04/76	TD - 3687' PBTD - 3672'	3024 - 3040 3345 - 3525	GRAYBURG SAN ANDRES	SEE ATTACHED SCHEMATIC

Premier Oil & Gas
Dale H. Parke "A" 10
2100' FSL 900'FWL
Sec22 - 17S - 30E
Eddy Co., NM

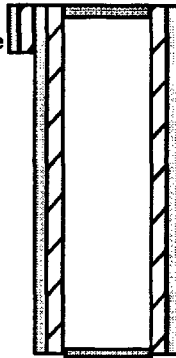


Enron
 Bogart Fed. Com. 1
 2030'FNL 1830'FWL
 Sec18 - 17S - 30E
 Eddy Co., NM



Mack Energy
Woolley Federal 2
1750' FWL 890'FSL
Sec21 - 17S - 30E
Eddy Co., NM

Set 10' cmt
plug @ surface



TOC - circ
13 3/8" @ 486'
Cmtd w/ ?sxs

TOC - circulated
8 5/8" @ 3565'
Cmtd w/ ?sxs

Set 50sx cmt
plug @ 3500'

Set 50sx cmt plug
@ 4450'

Set 50sx cmt plug
@ 6725'

Set 50sx cmt plug
@ 7850'

Set 50sx cmt plug
@ 9075'

Set 50sx cmt plug
@ 10,650'

TD 11,374'

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

N. M. Oil Cons. Division
811 S. 1ST ST.
ARTESIA, NM 88210-2834

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☒

b. TYPE OF WELL

OIL WELL ☒

Gas Well ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Mack Energy Corporation

13837

3. ADDRESS AND TELEPHONE NO.

P.O. Box 960, Artesia, NM 88211-0960

(505) 748-1288

4. LOCATION OF WELL (Report location clearly and in accordance with any state requirement.*)

At surface

890 FSL 1750 FWL

At proposed prod. zone

890 FSL 1750 FWL

14. N

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

.25 miles South of Loco Hills, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

330

(Also to nearest drilg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED
OR APPLIED FOR, ON THIS LEASE, FT.

660

16. NO. OF ACRES IN LEASE

120

17. NO OF ACRES IN LEASE
TO THIS WELL

40

19. PROPOSED DEPTH

5200 5500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3633 GR

22. APPROX. DATE WORK WILL START*

5/31/98

23. ~~WELL CONTROLLED WATER BASED~~ PROPOSED CASING AND CEMENTING PROGRAM

Re-Entry

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	K-55, 13 3/8	48	486'	Circ. In Place
12 1/4	K-55, 8 5/8	24-32	3565'	Circ. In Place
7 7/8	J-55, 5 1/2	17	5500'	Suff to Circ

Mack Energy proposes to re-enter to a depth sufficient to test the Paddock and San Andres formation for oil. If productive, 5 1/2" casing will be cemented. If non-productive, the well will be plugged and abandoned in a manor consistent with federal regulation. Specific programs as per Onshore Oil and Gas Order #1 are outlined in the following attachments:

Drilling Program

Surface Use & Operating Plan

Exhibit #1 & 1A - Blowout Preventer Equipment

Exhibit #2 - Location and Elevation Plat

Exhibit #3 - Planned Access Road

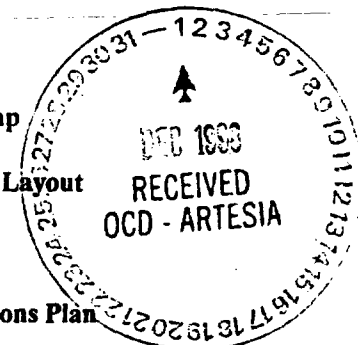
APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

Exhibit #4 - One- Mile Radius Map

Exhibit #5 - Production Facilities Layout

Exhibit #6 - Location Layout

Exhibit #7 - H2S Drilling Operations Plan



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

Crisa D. Carter

TITLE

Production Clerk

DATE

4/7/98

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

Acting

APPROVED BY

Carl Smith

TITLE

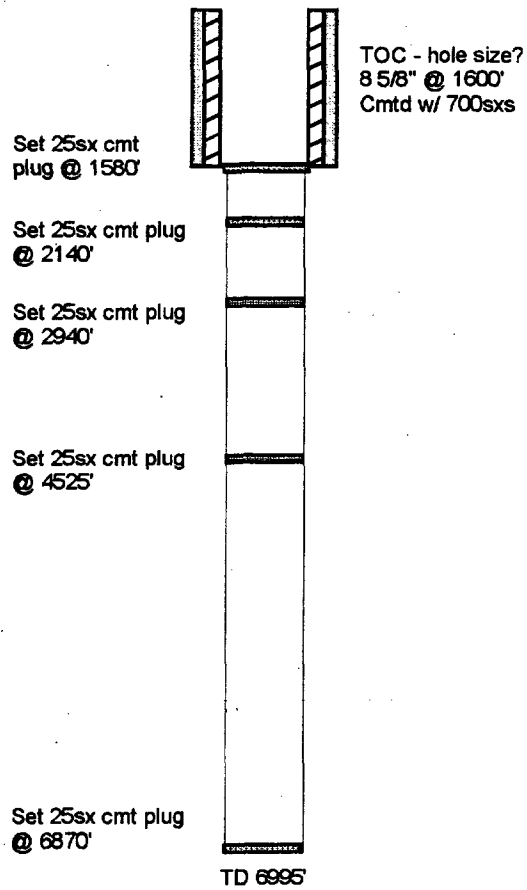
Assistant Field Office Manager,
Lands and Minerals

DATE

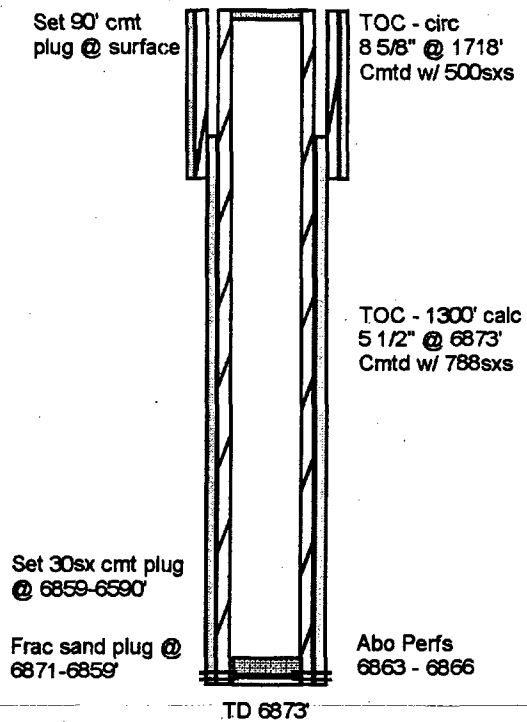
NOV 30 1998

*See Instructions On Reverse Side

Sinclair Oil & Gas
McIntyre D 10
1980' FEL 1650'FSL
Sec21 - 17S - 30E
Eddy Co., NM



Chambers & Kennedy
Sinclair Federal 2
2100' FEL 2230'FSL
Sec21 - 17S - 30E
Eddy Co., NM





marbob
energy corporation

January 21, 1999

Atlantic Richfield Company
Post Office Box 1610
Midland, Texas 79702

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the E L Federal No. 8 well into a produced water disposal well.

As a requirement of the New Mexico Oil Conservation Division, we are required to notify any offset operators, as well as surface and mineral owners, of our proposal to convert the before mentioned well into a disposal well. If you have any objections, you must notify the Oil Conservation Division of Santa Fe in writing within fifteen (15) days of this letter. If you have no objections to the proposed disposal well, please sign below and return a copy to our offices.

Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

Atlantic Richfield Company has no
objection to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Pendragon Energy Partners, Inc.
621 Seventeenth Street, #750
Denver, Colorado 80293

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the E L Federal No. 8 well into a produced water disposal well.

As a requirement of the New Mexico Oil Conservation Division, we are required to notify any offset operators, as well as surface and mineral owners, of our proposal to convert the before mentioned well into a disposal well. If you have any objections, you must notify the Oil Conservation Division of Santa Fe in writing within fifteen (15) days of this letter. If you have no objections to the proposed disposal well, please sign below and return a copy to our offices.

Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

Pendragon Energy Partners has no
objection to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Mack Energy Corporation
Post Office Box 960
Artesia, New Mexico 88211-0960

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the E L Federal No. 8 well into a produced water disposal well.

As a requirement of the New Mexico Oil Conservation Division, we are required to notify any offset operators, as well as surface and mineral owners, of our proposal to convert the before mentioned well into a disposal well. If you have any objections, you must notify the Oil Conservation Division of Santa Fe in writing within fifteen (15) days of this letter. If you have no objections to the proposed disposal well, please sign below and return a copy to our offices.

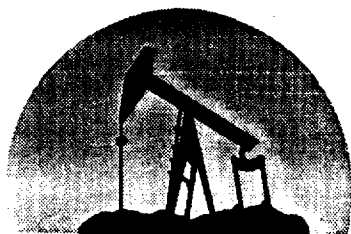
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

Mack Energy Corporation has no
objection to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Southwest Royalties, Inc.
407 North Big Spring, Suite 300
Midland, Texas 79701

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the E L Federal No. 8 well into a produced water disposal well.

As a requirement of the New Mexico Oil Conservation Division, we are required to notify any offset operators, as well as surface and mineral owners, of our proposal to convert the before mentioned well into a disposal well. If you have any objections, you must notify the Oil Conservation Division of Santa Fe in writing within fifteen (15) days of this letter. If you have no objections to the proposed disposal well, please sign below and return a copy to our offices.

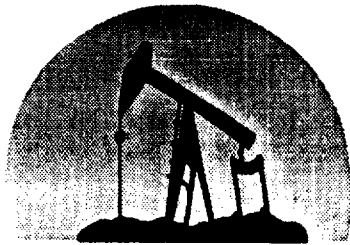
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumley
Land Department

Southwest Royalties, Inc. has no
objection to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Nadel and Gussman Permian, LLC
601 North Marienfeld, Suite 508
Midland, Texas 79701

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the E L Federal No. 8 well into a produced water disposal well.

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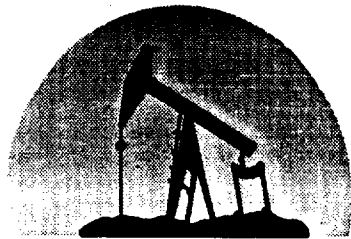
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

Nadel & Gussman Permian LLC has no
objection to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

William and Son Cattle Company
Post Office Box 30
Maljamar, New Mexico 88264

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

Gentlemen:

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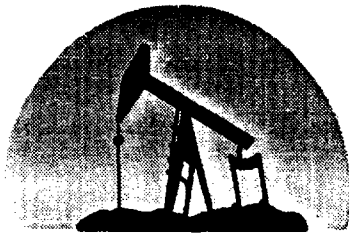
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

Williams & Son Cattle Co. has no
objection to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Bureau of Land Management
2209 West Second Street
Roswell, New Mexico 88201

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

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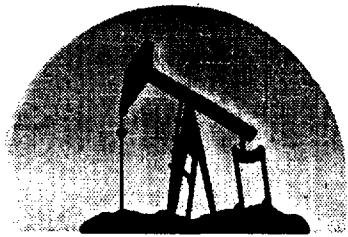
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

Bureau of Land Management has no
objection to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Anadarko Petroleum Corporation
Post Office Box 2497
Midland, Texas 79702

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

Gentlemen:

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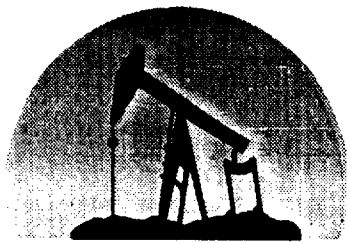
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumley
Land Department

Anadarko Petroleum has no objection
to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Phillips Petroleum Company
4001 Penbrook
Odessa, Texas 79762

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

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Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

Phillips Petroleum has no objection
to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Chambers & Kennedy
607 Midland National Bank Bldg.
Midland, Texas 79702

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

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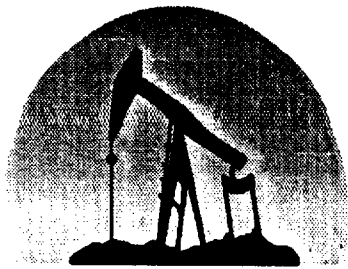
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

Chambers & Kennedy has no objection
to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Eastland Oil Company
Post Office Drawer 3488
Midland, Texas 79702

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

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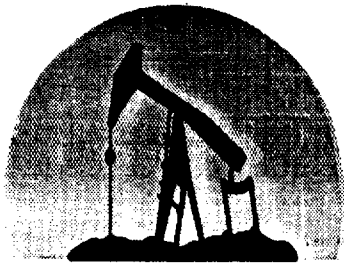
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

Eastland Oil Co. has no objection
to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

M.A. Woolley
Post Office Box 398
Loco Hills, New Mexico 88255

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

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Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

M.A. Woolley has no objection
to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Enron Oil and Gas Company
Post Office Box 2267
Midland, Texas 79702

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

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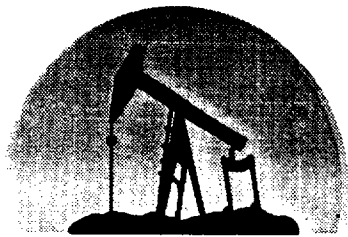
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

Enron Oil & Gas has no objection
to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Shahara Oil, LLC
207 West McKay
Carlsbad, New Mexico 88220

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

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Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

Shahara Oil LLC has no objection
to the proposed disposal well.

By: _____
Title: _____
Date: _____



marbob
energy corporation

January 21, 1999

Premier Oil and Gas
Post Office Box 1246
Artesia, New Mexico 88211

RE: Conversion to Disposal Well - E L Federal No. 8
380' FSL and 990' FEL, Section 21-17S-30E
Eddy County, New Mexico

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Sincerely,

Dean Chumbley
Land Department

Premier Oil and Gas has no
objection to the proposed disposal well.

By: _____
Title: _____
Date: _____