



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

15 TOTAL
4 P&A
REPAIR
28
JAN 25 1999
OIL CONSERVATION DIVISION

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". The signature is fluid and cursive, with a large initial "D" and "C".

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 drig. 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 [Signature] 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

OCT 22 1998

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 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
 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 13. STATE
 EDDY NM

PROPOSED CASING AND CEMENTING PROGRAM

| HOLE SIZE | CASING SIZE | WEIGHT/FOOT | GRADE | THREAD TYPE | 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.

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. Mgr. DATE 5-22-98

Robey

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

BLM Roswell District
Modified Form No.
M060-3160-2

48

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 06 1998

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

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

NAME OF OPERATOR
 Marbob Energy Corporation *14049*

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

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

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

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

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

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

16. NO. OF ACRES IN LEASE
 200

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

19. PROPOSED DEPTH
 6000'

20. ROTARY OR CABLE TOOLS
 ROTARY

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

5. LEASE DESIGNATION AND SERIAL NO.
 NM-467932

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 30-115-30261

8. FARM OR LEASE NAME
 E.L. FEDERAL 23371

9. WELL NO.
 7

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

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: PLEASE 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 prevention program, if any.

APPROVED BY Robin Cochran TITLE Production Clerk DATE 4/22/98

APPROVED BY Acid TITLE AGRO. ENGINEER DATE MAY 22 1998

*See Instructions on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR. Oil Cons. Division BUREAU OF LAND MANAGEMENT 811 S. 1st Street

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL [] DEEPEN [X]

b. TYPE OF WELL OIL WELL [X] Gas Well [] OTHER [] SINGLE ZONE [X] 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

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

Table with 5 columns: SIZE OF HOLE, GRADE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 12 1/4, 7 7/8, 6 1/8 hole sizes with corresponding casing and cement data.

Mack Energy Proposes to deepen well from PBSD 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 [Signature] 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 [Signature] ENGINEER DATE 2/4/97

*See Instructions On Reverse Side

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 [X]
b. TYPE OF WELL OIL WELL [X] Gas Well [] OTHER [] SINGLE ZONE [X] 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
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* 4/24/97

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

Table with 5 columns: SIZE OF HOLE, GRADE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 12 1/4, 7 7/8, and 6 1/8 hole sizes.

Mack Energy Proposes to deepen well from PBSD 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 oil

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 Ciro 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 TOMAS J. RAMIREZ ALBUQUERQUE TITLE DATE 2/4/97

*See Instructions On Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

ARTESIA, NM 88210-2834

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK: DRILL [X] DEEPEN []
b. TYPE OF WELL: OIL WELL [X] 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 applicable regulations): At surface: 1550 FSL 2310 FWL; At proposed prod. zone: 1550 FSL 2310 FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: .25 miles South Loco Hills

Table with 3 columns: 15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (230); 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. (330); 19. PROPOSED DEPTH (5500); 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: Table with 5 columns: SIZE OF HOLE, GRADE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Includes rows for 17 1/2, 12 1/4, and 7 7/8 hole sizes.

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 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
Exhibit #4 - One- Mile Radius Map
Exhibit #5 - Production Facilities Layout
Exhibit #6 - Location Layout
Exhibit #7 - H2S Drilling Operations Plan

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED



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: [Signature] 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:

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 TRIPLICATE*
(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

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 990 FSL 1650 FWL
 At proposed prod. zone *W. N.* 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

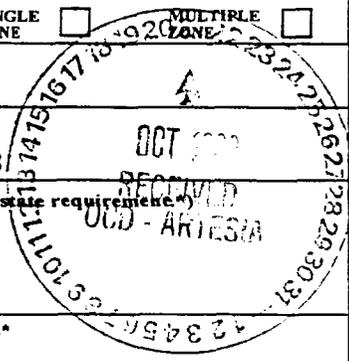
20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3640

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 |



24. 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.

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:

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 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

Exhibit #4 - One- Mile Radius Map

Exhibit #5 - Production Facilities Layout

Exhibit #6 - Location Layout

Exhibit #7 - H2S Drilling Operations Plan

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS

Post ID 10-23-98 API & loc

APPROVED BY (ORIG. SGD.) ARMANDO A. LOPEZ TITLE _____ DATE _____

Acting Assistant Field Office Manager,
Lands and Minerals

OCT 11 1998

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)

Sample 1

1.147

205424

6.50

20.000 ohms @ 68[F

Specific Gravity:

Total Dissolved Solids:

pH:

Resistivity:

IONIC STRENGTH:

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: | | | |
| Bicarbonate | (HCO ₃ -1) | 13.0 | 793 |
| Carbonate | (CO ₃ -2) | 0 | 0 |
| Hydroxide | (OH-1) | 0 | 0 |
| Sulfate | (SO ₄ -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

Attachment C-108 VII (a)

I

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

E L FEDERAL #8

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| Miscellaneous Data | Attachment IX |

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: Secondary Recovery Pressure Maintenance 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 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: _____

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 BWP. 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 Corporation

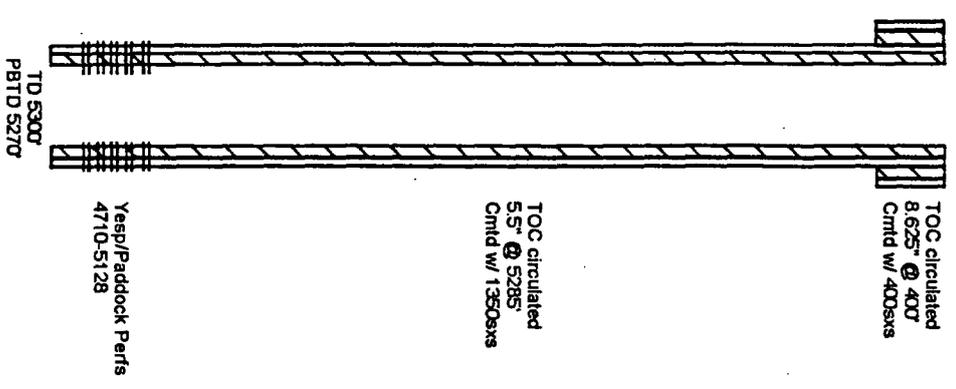
WELL NAME & NUMBER: E L Federal No. 8

WELL LOCATION: 380' FSL and 990' FEL P 21 SECTION 17S TOWNSHIP 30E RANGE

FOOTAGE LOCATION UNIT LETTER

WELLBORE SCHEMATIC

Marbob Energy
E. L. 8
380' FSL 990' FEL
Sec21 - 17S - 30E
Eddy Co., NM



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12 1/4" Casing Size: 8 5/8" J-55 24#

Cemented with: 400 sx prem plus sx. or ft³

Top of Cement: Surface Method Determined: Circulated

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7 7/8" Casing Size: 5 1/2" J-55 17#

Cemented with: 700 sx 50/50 POZ - 1st stage 650sx Hall Lite & sx. or ft³

Top of Cement: 300sx Hall Lite - 2nd stage Method Determined: Circulated

Total Depth: 5285'

Injection Interval

feet to 4710' feet to 5128'

(Perforated or Open Hole; indicate which)

Yesp/Paddock Perfs
4710-5128

TD 5300'
PBT D 5270'

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

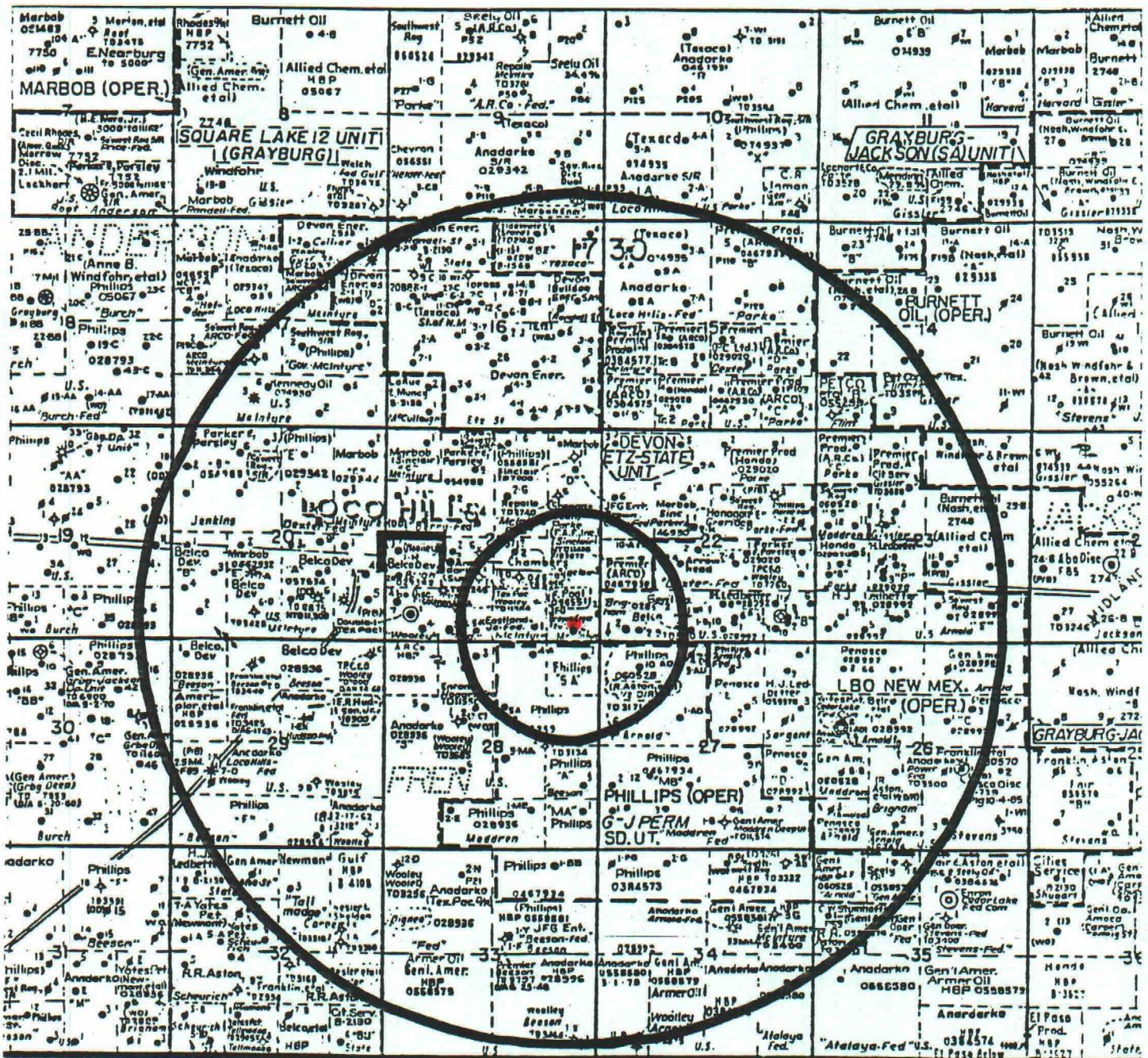
3. Name of Field or Pool (if applicable): Loco Hills

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

Abco + 6500 - 6800



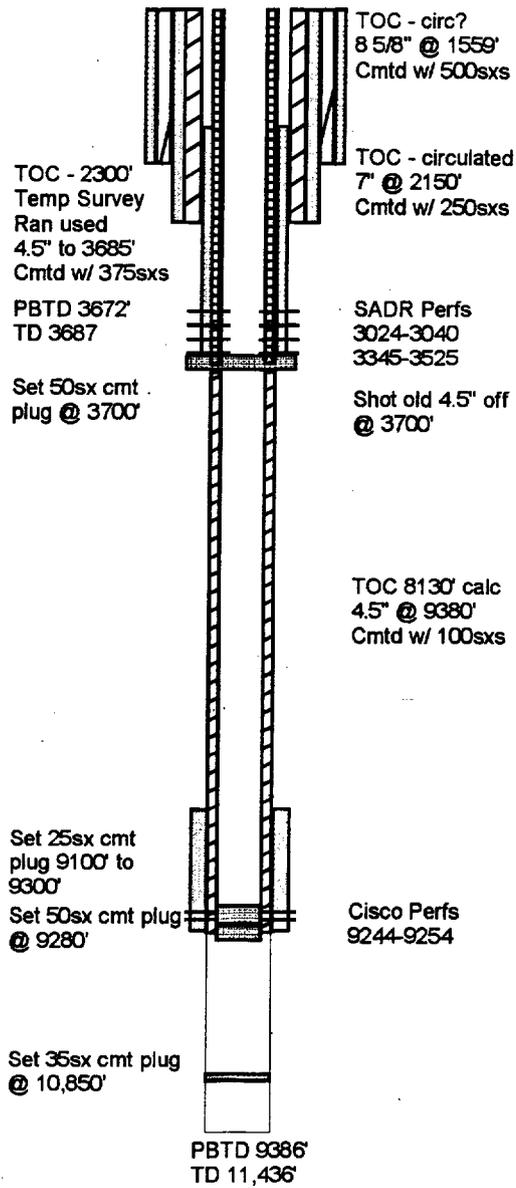
Attachment V

Map showing two and one-half mile area of review for

Marbob Energy Corporation's
E L Federal No. 8
Disposal Well
380' FSL & 990' FEL
Sec.21-T17s-R30e
Eddy County, New Mexico

| 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 - 965' 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 |
| BRIGHTMAN #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 | ALO | 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 |
| DAMLEH 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

Set 50sx cmt
 plug @ 50'

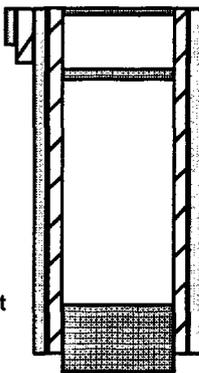
Set 60sx cmt
 plug @ 597'

Set 143sx cmt
 plug @ 3588'
 tag @ 2990'

Set 30sx cmt
 plug @ 5400'
 tag @ 5350'
 Set 50sx cmt
 plug @ 5500'
 tag @ 5410'

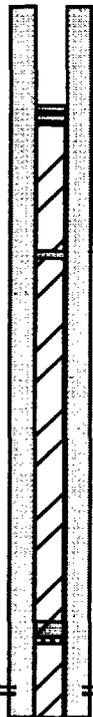
Set 20' cmt
 plug @ 6851'

Set CIBP @
 10,760' &
 dumped 70'
 cmt on top



TOC circulated
 13 3/8" @ 547'
 Cmt'd w/ 575sxs

TOC circulated
 9 5/8" @ 3488'
 Cmt'd w/ 1850sxs



Cut & recovered
 5508' of 2 7/8"

TOC 7252'
 Calculated

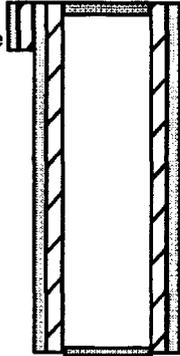
2 7/8" @ 11,548'
 Cmt'd w/ 1350sxs

Morrow Perfs
 10,861- 10,877

TD 11,550'

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

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 requirement.)*
 At surface 890 FSL 1750 FWL
 At proposed prod. zone 890 FSL 1750 FWL W. N

5. LEASE DESIGNATION AND SERIAL NO.
 LC-029342-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO. 17381
 Woolley Federal #2

9. API WELL NO.
 30-015-04240

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 13. STATE
 Eddy NM

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)

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 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~~ 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:

- APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED
- Drilling Program
 - Surface Use & Operating Plan
 - Exhibit #1 & 1A - Blowout Preventer Equipment
 - Exhibit #2 - Location and Elevation Plat
 - Exhibit #3 - Planned Access Road
 - 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)

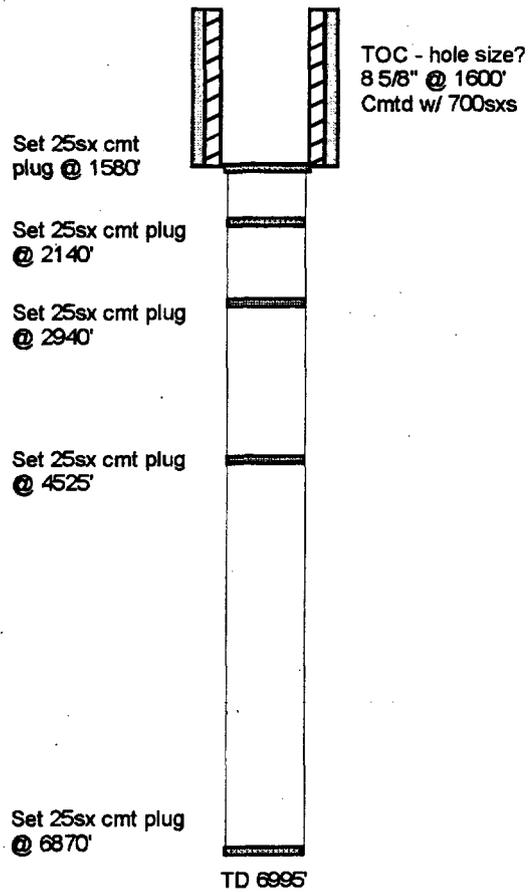
PERMIT NO. _____ APPROVAL DATE _____

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:

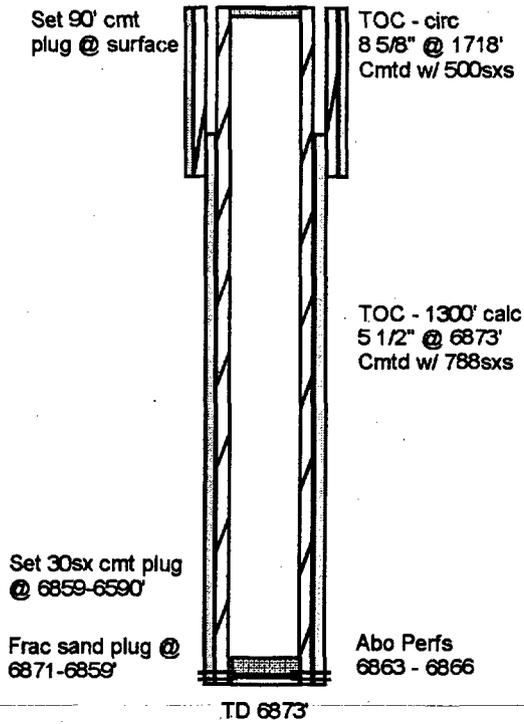
APPROVED BY Carl Smith TITLE Acting Assistant Field Office Manager, Lands and Minerals DATE NOV 30 1998

*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



TD 6873



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:

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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

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:

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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 Chumbiey
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 Chumpley
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.

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

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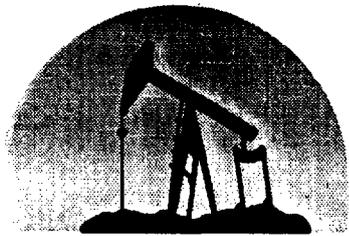
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

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

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Sincerely,

Dean Chumbley
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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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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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

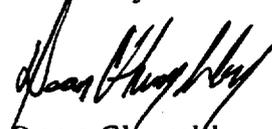
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Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

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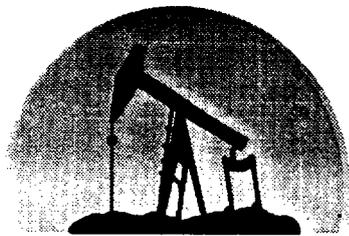
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

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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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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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

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

By: _____
Title: _____
Date: _____