



**marbob**  
energy corporation

SWD 2/25/99

740

February 8, 1999

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

Attn: Ms. Lori Wrotenbery  
Division Director

Dear Ms. Wrotenbery:

Please find the enclosed Application for Authorization to Inject regarding Marbob Energy Corporation's New Mexico "CY" State No. 1 proposed saltwater disposal is located at 1980' FSL and 1650' FEL in Section 23 of Township 17 South, Range 28 East in Eddy County, New Mexico.

Application is made pursuant to Rule 701C of the Division Rules and Regulations for Administrative Approval for Disposal. Proposed injection formation is the Pennsylvanian at 8593' to 8850'. The waters to be disposed of will consist of produced waters from the Seven Rivers, Grayburg, San Andres, and Yeso formations.

Publication of Marbob Energy Corporation's intent to utilize the proposed well for disposal purposes has been made in the Artesia Daily Press, and a copy of this Application has been mailed via certified mail to the effected landowners and leasehold operators. All future proof of notification will be forwarded to your office upon receipt.

TGM  
PLU  
FEB 10 1999  
PLU

Marbob Energy Corporation respectfully requests 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

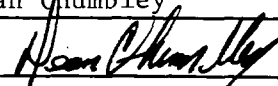
DC/mm  
Enclosures

**BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION  
FOR ADMINISTRATIVE APPROVAL  
MARBOB ENERGY CORPORATION  
APPLICATION FOR AUTHORIZATION TO INJECT  
  
NEW MEXICO "CY" STATE No. 1**

**TABLE OF CONTENTS**

Form C-108  
Injection Well Data Sheet  
Attachment to Injection Well Data Sheet  
Area of Review Maps - Attachments A, B, C, & D  
Area of Review Tabulation Data  
Proposed Operation Data  
Section VIII through Section XI  
Affirmative Statement  
Attachment VII-4  
Attachment VIII-B  
Attachment XI-A  
Proof of Notice

**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:  DATE: February 8, 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.**

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**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.

**WELL NAME & NUMBER:** New Mexico CY State #1

WELL LOCATION: 1980' FSL & 1650' FELL

FOOTAGE LOCATION

# UNIT LETTER

4

23

17 South

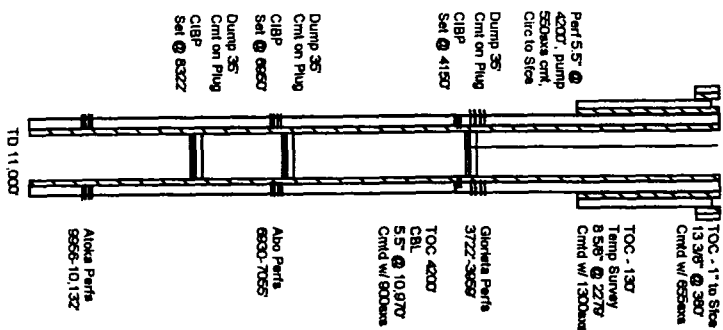
**28 East**

## WELLBORE SCHEMATIC

## WELL CONSTRUCTION DATA

## Surface Casing

**Marbob Energy**  
NM CY State  
1980' FSL 1650' FEL  
Sec23 - 17S - 28E  
Eddy Co., NM



Hole Size: 17 1/2" Casing Size: 13 3/8"

Cemented with: 655 SK. or PS

**Top of Cement:** Surface **Method Determined:** One inched

## **Intermediate Casing**

to surface

Hole Size: 12 1/4" Casing Size: 8 5/8"

Cemented with: 1300 sq. ft. or ft<sup>3</sup>

Top of Cement: 130' Method Determined: Temp. Survey

## Production Casing

Hole Size: 7 7/8" Casing Size: 5 1/2"

Cemented with: 900 **SX.** *or*        **ft<sup>3</sup>**

Top of Cement: \_\_\_\_\_ Method Determined: \_\_\_\_\_

**Total Depth:** 11,000

### Injection Interval

8593'      **feet to**      8850'

**(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? \_\_\_\_\_
2. Name of the Injection Formation: Upper Penn \_\_\_\_\_
3. Name of Field or Pool (if applicable): Undes. \_\_\_\_\_
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. \_\_\_\_\_  
See Attached. \_\_\_\_\_
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
 

Wolfcamp @ 7090'	_____
Strawn @ 9358'	_____
_____	_____

## Attachment to Injection Well Data Sheet - #4

10/6/80

10478 - 10488	44 shots
10518 - 10530	52 shots
10378 - 10392	60 shots
10262 - 10266	20 shots

**Set plug @ 10,225' w/ 4 sx cmt on top**  
**Top of cmt @ 10190'**

9956 - 10132	35 shots
--------------	----------

06/30/93

**Set CIBP @ 8322' w/ 35 ft cmt**

7031 - 7033	2 shots	
7042 - 7048	4 shots	
7053 - 7055	2 shots	
6930 - 6934	4 shots	
6965 - 6970	5 shots	
6989 - 6990	3 shots	
6997 - 6999	2 shots	
7008 - 7012	4 shots	
		6930 - 7055 26 shots

**Set CIBP @ 6900' w/ 35' cmt**

**3722' - 3959'**

**Set CIBP @ 4150' w/ 35'**

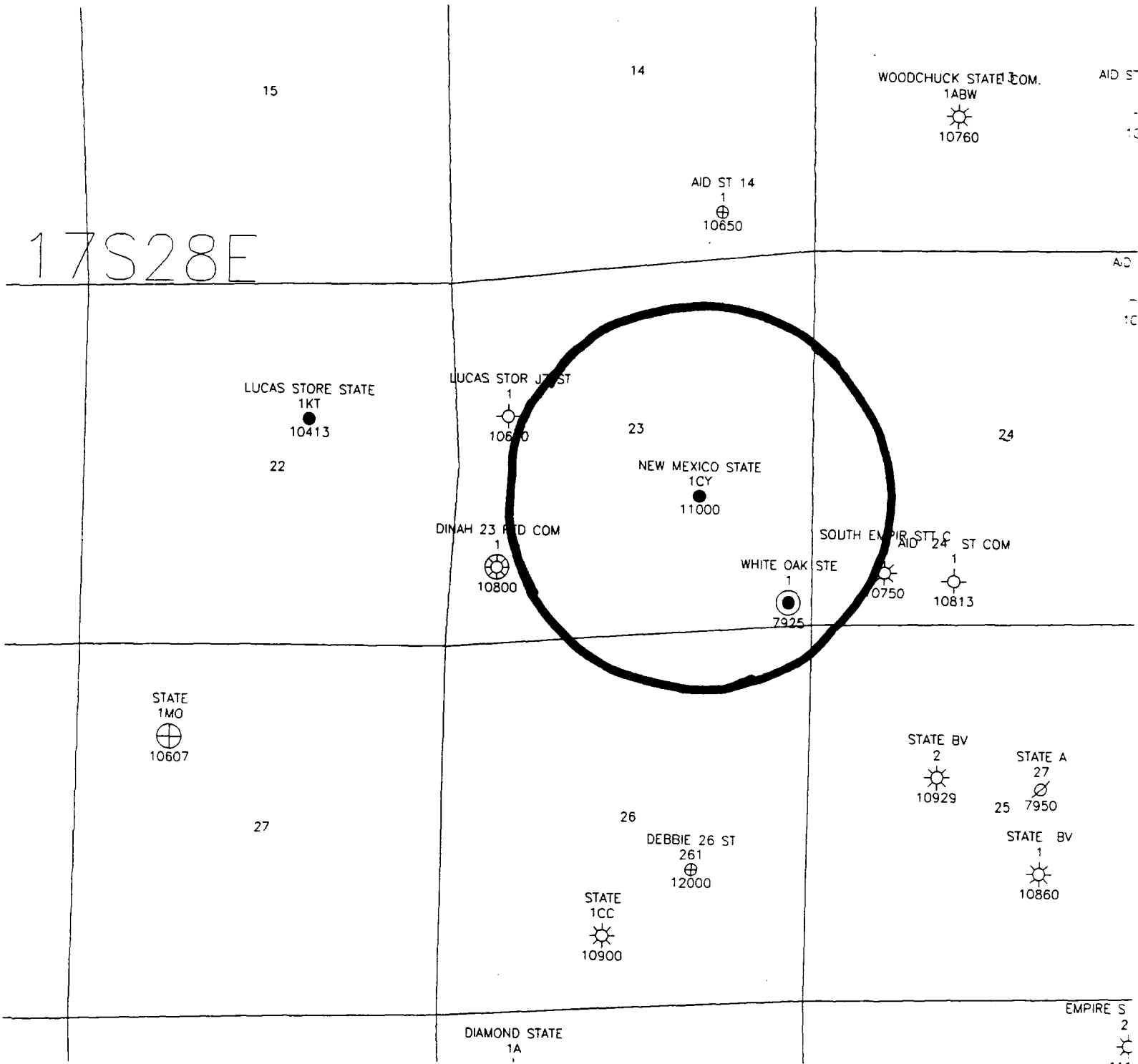
**Spot 25 sks plug @ 2330'**

**Perforate 5 1/2 casing @ 8 5/8 shoe (380')**

**Circulated cmt to surface**



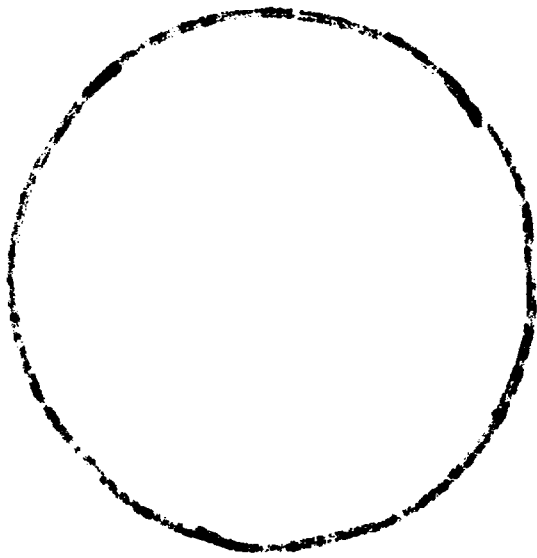




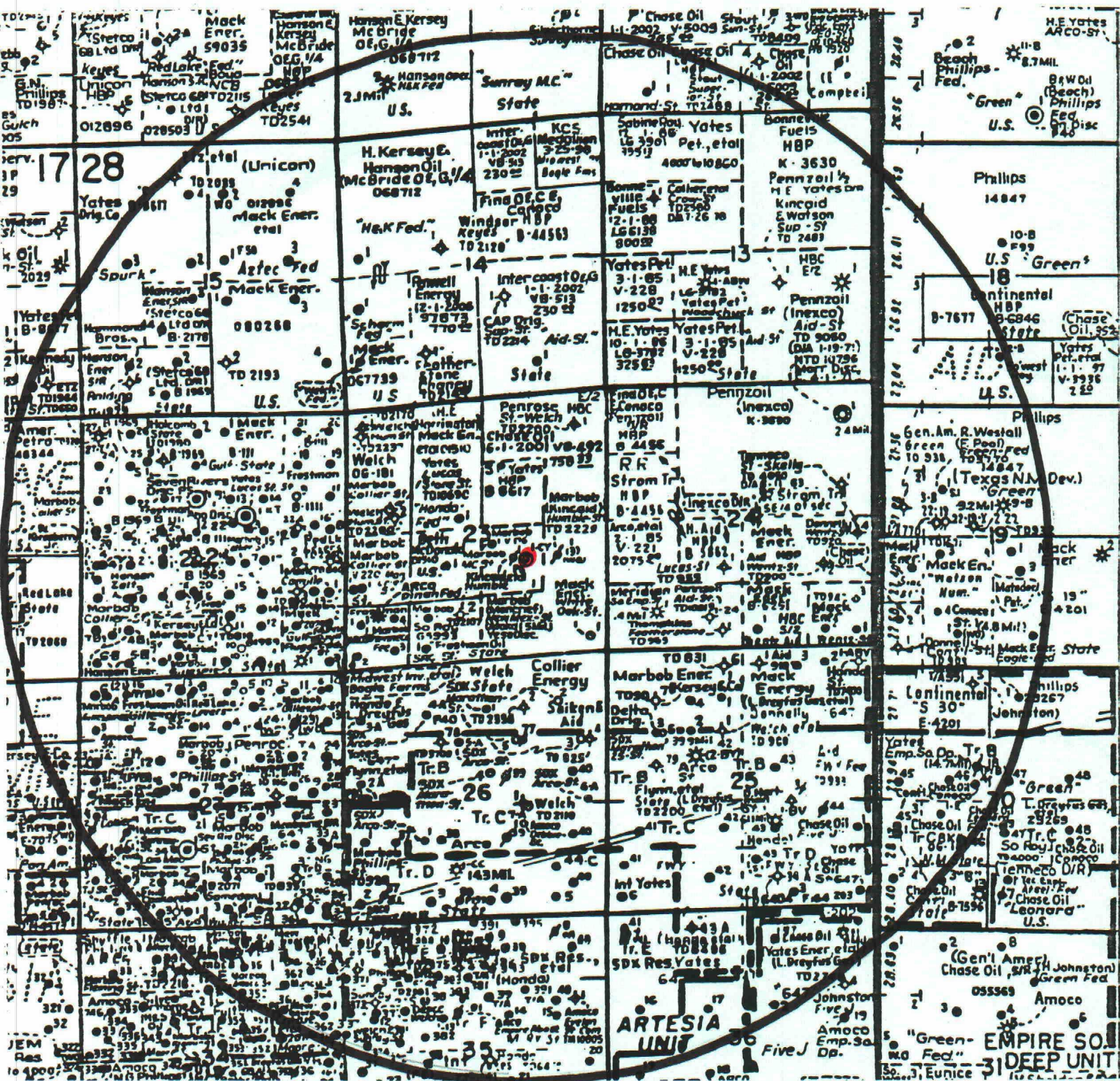
MARBOB ENERGY CORPORATION  
 New Mexico "CY" State No. 1  
 1980' FSL & 1650' FEL  
 Section 23-17S-28E

1/2 mile area of review  
 only wells deeper than 7500'

Attachment B





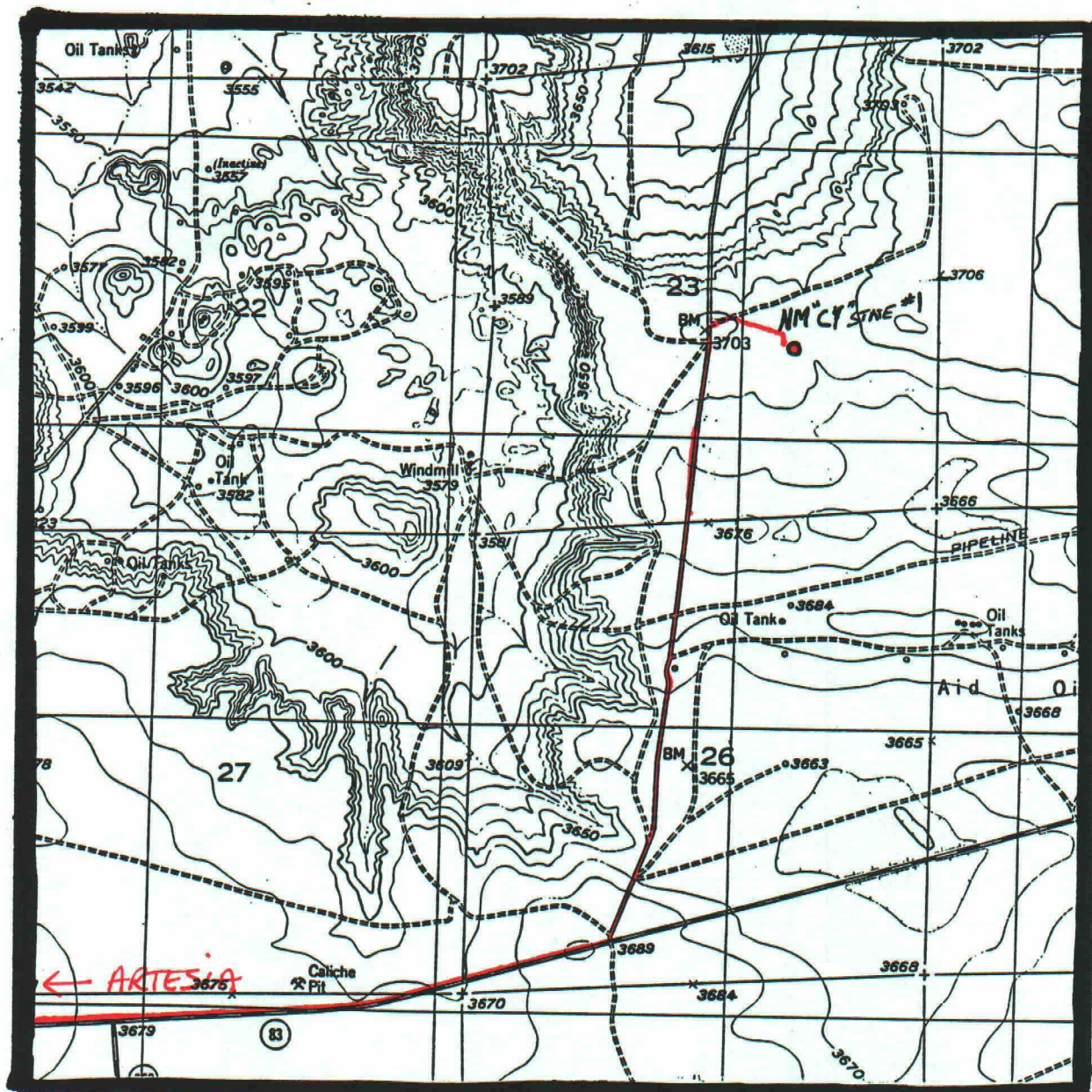


MARBOB ENERGY CORPORATION  
 New Mexico "CY" State No. 1  
 1980' FSL & 1650' FEL  
 Section 23-17S-28E

2 mile area of review

Attachment C





MARBOB ENERGY CORPORATION  
 New Mexico "CY" State No. 1  
 1980' FSL & 1650' FEL  
 Section 23-17S-28E

Map showing location of  
 proposed disposal well

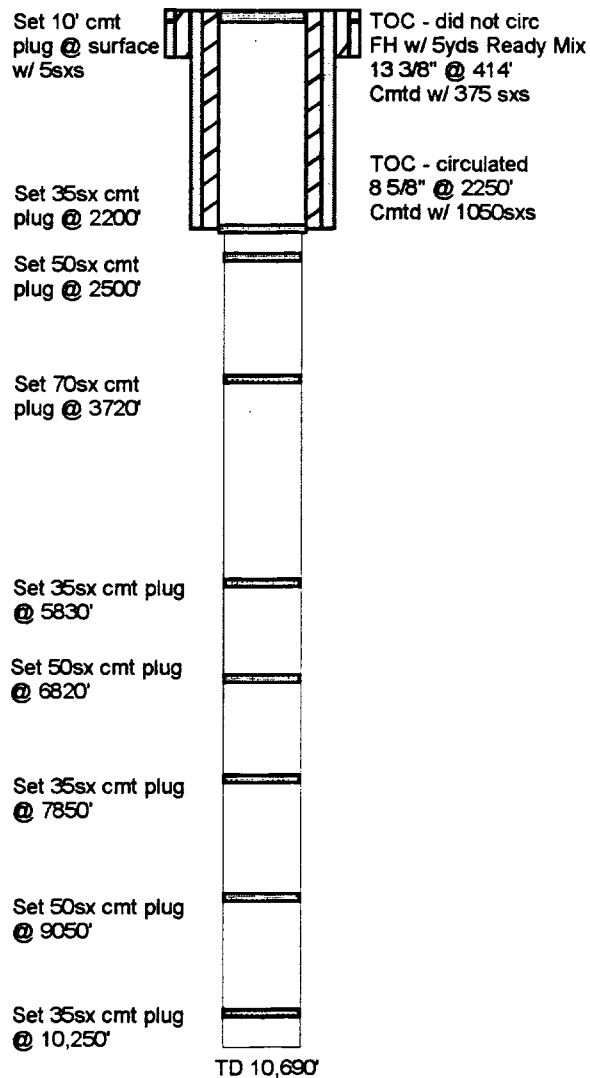
Attachment D

**Note: The wells listed below are not located within the 1/2 mile area of review. These wells are the closest in proximity to the New Mexico "CY" State No. 1 that penetrate the proposed injection interval.**

**NEW MEXICO "CY" STATE # 1**

WELL NAME	OPERATOR	LOCATION	TYPE	SPUD	COMPLETED	TD/PBTD	INTERVAL	FORMATION	CASING PROGRAM
DINAH 23 FEDERAL COM # 1	ARCO PERMIAN	1077' FSL - 660' FWL SECTION 23-17S-28E	GAS	05/27/96	08/07/96	TD - 10560' PBTD - 10180'	9810 - 9817	ATOKA	13 3/8 @ 560 W/ 575 SX (CHRC) 9 5/8 @ 2050 W/ 950 SX (CHRC) 5 1/2 @ 10560 W/ 1440 SX 5858 CB
SOUTH EMPIRE STATE COM # 1	DOYLE HARTMAN	800' FSL - 1000' FWL SECTION 24-17S-28E	GAS	08/27/80	12/15/80	TD - 10750' PBTD - 10722'	10481 - 10507	MORROW	13 3/8 @ 504 W/ 500 SX (CHRC) 8 5/8 @ 2502 W/ 1750 SX (CHRC) 5 1/2 @ 10750 W/ 2190 SX (CHRC)
LUCAS STORE "IZ" SOUTH COM # 1	YATES PETROLEUM CORPORATION	1980' FSL - 860' FWL SECTION 23-17S-28E	P & A	11/20/78	01/12/79	TD - 10690'	DRY HOLE	N/A	SEE ATTACHED SCHEMATIC

Yates Petroleum  
Lucas Store JZ State Com. 1  
860' FWL 1980'FNL  
Sec23 - 17S - 28E  
Eddy Co., NM



**AUTHORIZATION TO INJECT  
MARBOB ENERGY CORPORATION**

**NEW MEXICO "CY" STATE No. 1**

**VII Proposed Operation 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 8593 feet or 1718 psi.
4. Source of Injection Water:

The produced water that is to be disposed of is sourced from wells producing from the following formations; Seven Rivers, Grayburg, San Andres, and Yeso. These wells are located in Sections 22, 23, 27, 28, and 34 of Township 17 South, Range 28 East. An analysis of water to be disposed of is attached as Attachment VII-4.
5. Disposal Zone Water Analysis:

Unable to obtain any information on the disposal zone water.



**Authorization to Inject continued**  
**Marbob Energy Corporation**  
**New Mexico "CY" State No. 1 Well**

**VIII Geologic Data**

**A. Injection Zone**

1. Name: Pennsylvanian
2. Lithology: Lime, Shale, Dolomite
3. Thickness:  $\pm$  500'
4. Depth:  $\pm$  8478'

**B. Fresh Water Aquifers:**

New Mexico State Engineer file on a water well located at approximately 660' FSL and 300' FEL in Section 22-17S-28E reports the fresh water aquifer as "PRC". A copy of this data is labeled as Attachment VIII-B.

**IX Proposed Conversions / Stimulation Program**

Move in, rig up. Trip in hole with workstring and drill collars. Drill out cast iron bridge plug at 4150', 6900', and 8322'. Squeeze all existing perforations above proposed injection interval. Perform casing test. Perforate from 8593' to 8850'. If necessary, acidize with 1500 gallons of 15% NEFE acid. Trip out of hole laying down workstring. Pick up plastic coated packer. Trip in hole with new J-55 2 7/8" IPC tubing. Set packer at 8553'. Load casing annulus with packer fluid. Perform casing test. Nipple up tree and put in service.

**X Logging Data**

Logs for these wells have been filed with the Division

**XI Fresh Water Analysis**

Attached is a copy of a fresh water analysis performed on a sample taken from a water well located at approximately 660' FSL and 300' FEL in Section 22-17S-28E. Water from this well appears to be used for livestock watering. Analysis is labeled as Attachment XI-A

**AUTHORIZATION TO INJECT  
MARBOB ENERGY CORPORATION**

**NEW MEXICO "CY" STATE No. 1**

**AFFIRMATIVE STATEMENT**

I have examined all geologic and engineering data available for the Red Lake 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: 2/8/99

Signature: 

Title: Geologist

# UNICHEM

A Division of BJ Services Company

Lab Test No : 23016

Marbob

Sample Date : 2/2/99

## Water Analysis

Listed below please find water analysis report from : Phillips  
SEC. 27-T176-AR8E

Specific Gravity : 1.090  
Total Dissolved Solids : 126514  
pH :  
Conductivity (umhos):  
Ionic Strength : 2.318

### Cations: mg/l

Calcium	(Ca++):	2954
Magnesium	(Mg++):	918
Sodium	(Na+):	44843
Iron	(Fe++):	0.29
Dissolved Iron	(Fe++):	
Barium	(Ba++):	0.09
Strontium	(Sr):	82
Manganese	(Mn++):	0.01
Resistivity :		

### Anions:

Bicarbonate	(HCO3-):	
Carbonate	(CO3--):	
Hydroxide	(OH-):	0
Sulfate	(SO4--):	2800
Chloride	(Cl-):	75000

### Gases: ppm

Carbon Dioxide (CO2):	Oxygen (O2):
Hydrogen Sulfide (H2S):	

Scale Index (positive value indicates scale tendency) a blank indicates some tests were not run

Temperature	CaCO3 SI	CaSO4 SI
86F 30.0C		
104F 40.0C		
122F 50.0C		
140F 60.0C		
168F 70.0C		
176F 80.0C		

Comments :

cc: Bill Polk  
Jay Brown

# UNICHEM

A Division of BJ Services Company

Lab Test No : 23015

Marbob

Sample Date : 2/2/99

## Water Analysis

Listed below please find water analysis report from : **Fleming**  
Sec. 34; T17s-28E

Specific Gravity : 1.124  
Total Dissolved Solids : 173547  
pH :  
Conductivity (umhos):  
Ionic Strength : 3.110

Cations:		mg/l
Calcium	(Ca++):	2704
Magnesium	(Mg++):	724
Sodium	(Na+):	63869
Iron	(Fe++):	0.30
Dissolved Iron	(Fe++):	
Barium	(Ba++):	0.09
Strontium	(Sr):	63
Manganese	(Mn++):	0.06
Resistivity :		

Anions:		
Bicarbonate	(HCO3-):	
Carbonate	(CO3--):	
Hydroxide	(OH-):	0
Sulfate	(SO4--):	3250
Chloride	(Cl-):	103000

Gases:		ppm	
Carbon Dioxide	(CO2):		Oxygen (O2):
Hydrogen Sulfide	(H2S):		

Scale Index (positive value indicates scale tendency) a blank indicates some tests were not run

Temperature		CaCO3 SI	CaSO4 SI
86F	30.0C		
104F	40.0C		
122F	50.0C		
140F	60.0C		
168F	70.0C		
176F	80.0C		

Comments :

cc: Bill Polk  
Jay Brown

# UNICHEM

A Division of DJ Services Company

Lab Test No : 23017

Marbob

Sample Date : 2/2/99

## Water Analysis

Listed below please find water analysis report from : **Gallispie**  
Sec. 22-T17s-R28E

Specific Gravity : 1.121  
Total Dissolved Solids : 169632  
pH :  
Conductivity (µmhos):  
Ionic Strength : 3.062

Cations:		mg/l
Calcium	(Ca++):	2739
Magnesium	(Mg++):	1079
Sodium	(Na+):	61764
Iron	(Fe++):	0.09
Dissolved Iron	(Fe++):	
Barium	(Ba++):	0.09
Strontium	(Sr):	81
Manganese	(Mn++):	0.03
Resistivity :		

Anions:		
Bicarbonate	(HCO3-):	
Carbonate	(CO3--):	
Hydroxide	(OH-):	0
Sulfate	(SO4--):	3050
Chloride	(Cl-):	101000

Gases:		ppm	
Carbon Dioxide	(CO2):		Oxygen (O2):
Hydrogen Sulfide	(H2S):		

Scale Index (positive value indicates scale tendency) a blank indicates some tests were not run

Temperature		CaCO3 SI	CaSO4 SI
86F	30.0C		
104F	40.0C		
122F	50.0C		
140F	60.0C		
168F	70.0C		
176F	80.0C		

Comments :

cc: Bill Polk  
Jay Brown

FE-1

State of New Mexico  
State Engineer

WELL SCHEDULE

Source of data: Obser ☒ Owner ☐ Other \_\_\_\_\_

Date April 13 19 83 Record by Cochran & Groseclose

LOCATION: County Eddy Map 106.2.3

OWNER Turkey Track Ranch

DRILLER \_\_\_\_\_ Completed \_\_\_\_\_ 19 \_\_\_\_\_

TOPO SITUATION Flat spot Elev 3579

DEPTH \_\_\_\_\_ ft ☐ Rept ☐ Meas Use stock

CASING 3 in to \_\_\_\_\_ ft Log \_\_\_\_\_

PUMP: Type Piston Make \_\_\_\_\_

Ser.no./model \_\_\_\_\_ Size of dischg \_\_\_\_\_ in.

PRIME MOVER: Make Aermotor HP \_\_\_\_\_

Ser.no. Factory steel tower Power/Fuel wind

PUMP DRIVE: ☐ Gear Head ☐ Belt Head ☐ Pump Jack

Make \_\_\_\_\_ Ser.no. \_\_\_\_\_ ☐ VHS

WATER LEVEL: 77.88 ft ~~rept~~ April 13 19 83 ~~above~~ below

Top of 1/2" hanger plate

\_\_\_\_\_ which is 1.40 ft ~~below~~ above LS

PERMANENT RP is \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

which is \_\_\_\_\_ ft ~~below~~ above described MP and \_\_\_\_\_ ft ~~below~~ above LS

REMARKS well shown on Topo well discharges underground

AQUIFER(S): PRC

Well No. \_\_\_\_\_ on Photo \_\_\_\_\_ DPN 15-06084

File No. \_\_\_\_\_ Loc. No. 17.28.22.44244

Temp. SE corner & S. Line

INITIAL WATER- LEVEL MEASUREMENT			
Date <u>April 13, 1983</u>		Hour <u>3:05 PM</u>	
Obs <u>JC, JCG</u>			
79.00	80.00	77.88	76.48
1st	2nd	3rd	LS
Below MP			
Below			
DEPTH TO WATER			

Not POA ( ) POA ( X )

W L meas after pump shut off 20 min. Pumping W L ( )

Remarks 5 minutes between measurements



SKETCH:

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Remarks cont. at well.



HALLIBURTON

WATER ANALYSIS REPORT  
HOBBS NEW MEXICO

COMPANY

Marbob

REPORT

W99-028

DATE

February 2, 1999

DISTRICT

Artesia

Fax: 505-746-2523

SUBMITTED BY

Robin Cockrun

WELL Fresh Water

DEPTH

FORMATION

COUNTY Not Given

FIELD

SOURCE

## SAMPLE

	72	°F		°F		°F		°F
Sample Temp.	72	°F		°F		°F		°F
RESISTIVITY	1.7633							
SPECIFIC GR.	1.010							
pH	7.47							
CALCIUM	250	mpl		mpl		mpl		mpl
MAGNESIUM	90	mpl		mpl		mpl		mpl
CHLORIDE	1,900	mpl		mpl		mpl		mpl
SULFATES	160	mpl		mpl		mpl		mpl
BICARBONATES	353	mpl		mpl		mpl		mpl
SOLUBLE IRON	0	mpl		mpl		mpl		mpl

OIL GRAVITY

@ °F

@ °F

@ °F

@ °F

REMARKS

Post-It™ brand fax transmittal memo 7671 # of pages &gt; 1

To	From
Co. MARBOB	JIM TRELA
Dept.	Co. HALLIBURTON
Fax # 746-2523	Phone # 392-0733
	Fax # 505-392-7062

Resistivity measured in: Ohm/m2/m

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Co.

ANALYST: DON GRAVES



**AUTHORIZATION TO INJECT  
MARBOB ENERGY CORPORATION**

**NEW MEXICO "CY" STATE No. 1**

**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. Copies of such are attached.

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 New Mexico "CY" State No. 1 is located 1980 feet from the south line and 1650 feet from the east line, Section 23, Township 17 South, Range 28 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 Pennsylvanian formation at a depth 8593' - 8850'. A maximum surface pressure of 1718 psi, and a maximum rate of 10,000 BWPD. 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.



**marbob**  
energy corporation

February 8, 1999

CFM Oil Company  
Post Office Box 1176  
Artesia, New Mexico 88211-1176

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the New Mexico "CY" State No. 1 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.

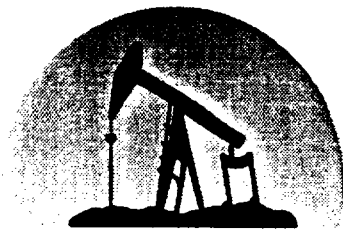
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley  
Land Department

CFM Oil Company has no objection  
to the proposed disposal well.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



**marbob**  
energy corporation

February 8, 1999

FI-RO Corporation  
Post Office Box 315  
Natchez, MS 39120

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the New Mexico "CY" State No. 1 into a produced water disposal well.

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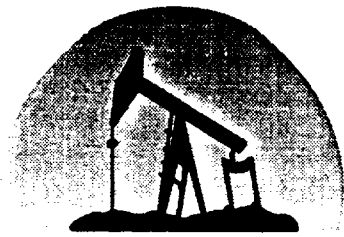
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley  
Land Department

FI-RO Corporation has no objection  
to the proposed disposal well.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



**marbob**  
energy corporation

February 8, 1999

Kincaid & Watson Drilling Company  
Post Office Box 498  
Artesia, New Mexico 88211-0498

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the New Mexico "CY" State No. 1 into a produced water disposal well.

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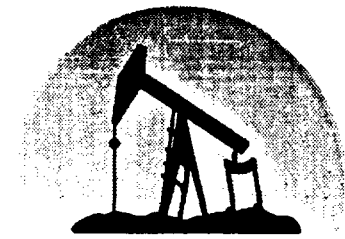
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley  
Land Department

Kincaid & Watson Drilling Company has no  
objection to the proposed disposal well.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



**marbob**  
energy corporation

February 8, 1999

Neville G. Penrose, Inc.  
1814 Fair Building  
Fort Worth, Texas 76110

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the New Mexico "CY" State No. 1 into a produced water disposal well.

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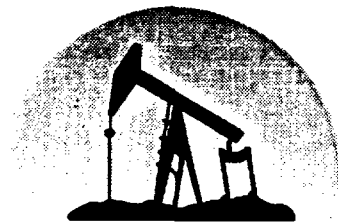
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley  
Land Department

Neville G. Penrose, Inc. has no  
objection to the proposed disposal well.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



**marbob**  
energy corporation

February 8, 1999

Webb Oil Company  
Post Office Box 1124  
Artesia, New Mexico 88211-1124

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the New Mexico "CY" State No. 1 into a produced water disposal well.

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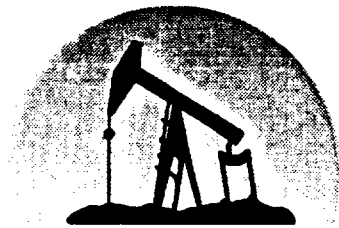
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley  
Land Department

Webb Oil Company has no objection  
to the proposed disposal well.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



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**marbob**  
energy corporation

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February 8, 1999

Arco Permian  
Post Office Box 1610  
Midland, Texas 79702

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the New Mexico "CY" State No. 1 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.

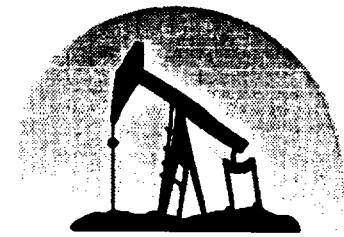
Sincerely,

Dean Chumbley  
Land Department

Arco Permian has no objection  
to the proposed disposal well.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_





**marbob**  
energy corporation

February 8, 1999

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

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
Eddy County, New Mexico

Gentlemen:

Enclosed, for your review, is a copy of Marbob Energy Corporation's Application for converting the New Mexico "CY" State No. 1 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

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

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



February 8, 1999

Yates Petroleum Corporation  
105 South Fourth Street  
Artesia, New Mexico 88210

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
Eddy County, New Mexico

Gentlemen:

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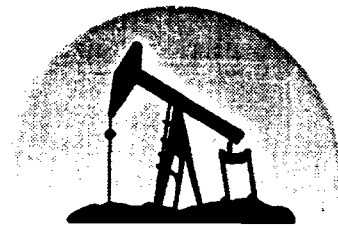
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley  
Land Department

Yates Petroleum Corporation has no  
objection to the proposed disposal well.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



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**marbob**  
energy corporation

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February 8, 1999

Gruy Petroleum Management Company  
Post Office Box 140907  
Irving, Texas 75014

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
Eddy County, New Mexico

Gentlemen:

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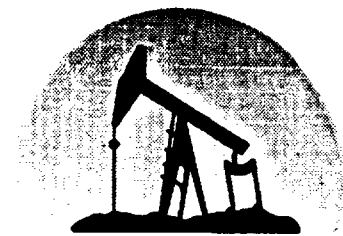
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley  
Land Department

Gruy Petroleum Management Co. has no  
objection to the proposed disposal well.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



**marbob**  
energy corporation

February 8, 1999

SDX Resources, Inc.  
Post Office Box 5061  
Midland, Texas 79704

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
Eddy County, New Mexico

Gentlemen:

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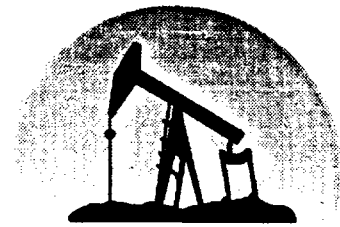
Thank you for your cooperation in this matter. Do not hesitate to contact us should you have any questions concerning this matter.

Sincerely,

Dean Chumbley  
Land Department

SDX Resources, Inc. has no objection  
to the proposed disposal well.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



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**marbob**  
energy corporation

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February 8, 1999

Commissioner of Public Lands  
Post Office Box 1148  
Santa Fe, New Mexico 87504-1148

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
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

Commissioner of Public Lands has no  
objection to the proposed disposal well.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



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**marbob**  
energy corporation

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February 8, 1999

Bogle Farms  
7331 Cherokee Road  
Dexter, New Mexico 88230

RE: Conversion to Disposal Well - New Mexico "CY" State No. 1  
1980' FSL and 1650' FEL, Section 23-17S-28E  
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

Bogle Farms has no objection  
to the proposed disposal well.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_