

SWD

10/28/98

729



marbob
energy corporation

October 8, 1998

AOR TOTAL 0000

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

OCT 13 1998

Attention: Mrs. Lori Wrotenbery, Division Director

Dear Mrs. Wrotenbery:

Enclosed herewith, is the Marbob Energy Corporation Application for Authorization to Inject concerning the Fren Oil Company Com. No. 21 located at 560' FSL and 3350' FEL in Section 19 of Township 17 South, Range 31 East in Eddy County, New Mexico.

Application is made pursuant to Rule 701D of the Division Rules and Regulations for Administrative Approval for Disposal into the Devonian Formation which is nonproductive of oil or gas within a radius of one half mile from the proposed disposal well. There were no fresh water wells found in the area of review. Waters to be disposed of will consist of produced waters from the Seven Rivers, Grayburg, San Andres, and Yeso Formations.

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. 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,

Dean Chumbley
Land Department

DC/mm
Enclosures

**BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION
APPLICATION FOR ADMINISTRATIVE APPROVAL
MARBOB ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT
THE
FREN OIL COMPANY COM. #21**

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**APPLICATION FOR AUTHORIZATION TO INJECT
MARBOB ENERGY CORPORATION
FREN OIL COMPANY COM #21**

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 12,275 feet, or 2455 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:*

Disposal is to be into a zone not productive of oil or gas within one half mile of the proposed well. The only available water analysis from this zone is from a drill stem test revealed Chlorides at 37,000 ppm. Copy of test is attached.

VIII. GEOLOGIC DATA

A. *Injection Zone*

- 1. *Name: Devonian***
- 2. *Lithology: Dolomite***

3. **Thickness: + 500'**

4. **Depth: + 12,275'**

B. Water Compatibility: Sample results attached

C. Fresh Water Aquifers: None known in this area

IX. PROPOSED CONVERSION/STIMULATION PROGRAM

Move in and rig up pulling unit, kill well via tubing with 2% KCL H₂O, nipple down tree and nipple up blow out preventer's, packer at 11,050 feet, baker model "N" perm. Pull seal assembly out of baker model "N" perm packer and trip out of hole with 2 7/8" tubing. Pick up mill (with packer picker) and trip in hole and mill over packer at 11,050 feet, trip out of hole and lay down mill and packer, make 6 1/8" bit and scraper run to 11,500 feet. Trip in hole with tubing set cement retainer and set same at 11,100 feet, establish rate in perms at 11,142 - 11,218 feet and squeeze with Halliburton. Trip in hole with 6 1/8" bit and collars and drill out squeeze, test squeeze and 7" casing to 750#, if squeeze and casing hold, then drill out cast iron bridge plug at 11,500 feet, clean out well to total depth at 12,299 feet. Trip in hole with RTTS and set same at 11,500 feet (+/-), swab test devonian and take sample of devonian H₂O, rig up Halliburton and establish injection rate. Possibly drill approximately 100 feet of additional devonian formation. Trip in hole with PC tubing and packer, set packer at 12,250 (+/-), put well on disposal. If necessary, treat with 1500 gallons of 15% NEFE acid.

X. LOGGING DATA

Logs for these wells have been filed with the Division.

XI. FRESH WATER ANALYSIS

No fresh water wells 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

- 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, New Mexico 88211-0227
CONTACT PARTY: Raye Miller 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: Raye Miller TITLE: Attorney-in-Fact
SIGNATURE: Raye Miller DATE: 10/9/98

* 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.

INJECTION WELL DATA SHEET

Current Well Status

OPERATOR: Marbob Energy Corporation

WELL NAME & NUMBER: Fren Oil Company Com #21

WELL LOCATION: 560' FSL and 3350' FEL

N 19 17S 31E

FOOTAGE LOCATION

UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

Marbob Energy
Fren Com. 21
560 FSL 3350FEL
Sec 19 - 17S - 31E
Eddy Co., NM

TOC - circulated
13 3/8" @ 369'
Cmtd w/ 300axs

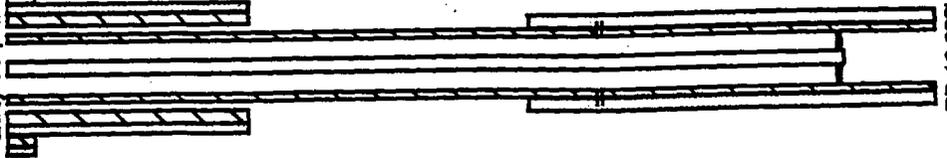
TOC - circulated
9 5/8" @ 3210'
Cmtd w/ 600axs

Abo Perfs
69-44-6996
SQZD w/ 200axs

2" EUE Tbg
At 11,080'

Baker N Model Pkr
Set @ 11,050'

TOC 5394
CBL
7" @ 12,275'
Cmtd w/ 525axs



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17 1/2" Casing Size: 13 3/8" @ 369'
Cemented with: 300 sx. or ft³

Top of Cement: Surf Method Determined: Circ
Intermediate Casing

Hole Size: 12 1/2" Casing Size: 9 5/8" @ 3210'
Cemented with: 600 sx. or ft³

Top of Cement: Surf Method Determined: Circ
Production Casing

Hole Size: 8 1/2" Casing Size: 7"
Cemented with: 525 sx. or ft³

Top of Cement: 5394' Method Determined: E-Log
Total Depth: 12,275

Injection Interval

12,275 feet to 12,299' Open Hole

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 3 1/2" Lining Material: P.C.
 Type of Packer: Halliburton Perma-Latch P.C.
 Packer Setting Depth: 12,250'
 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? Devonian

2. Name of the Injection Formation: Devonian

3. Name of Field or Pool (if applicable): Cedar Lake

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. (6944-6996) Squeezed 100 sks CL "C" + .6% Halad - 9 + 100 sks CL "C" + 2% CaCl

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Above Morrow 11,142 - 11,218'
Below Fusselman 13,000' ?

**APPLICATION FOR AUTHORIZATION TO INJECT
MARBOB ENERGY CORPORATION
FREN OIL COMPANY COM #21
C-108 XII**

AFFIRMATIVE STATEMENT

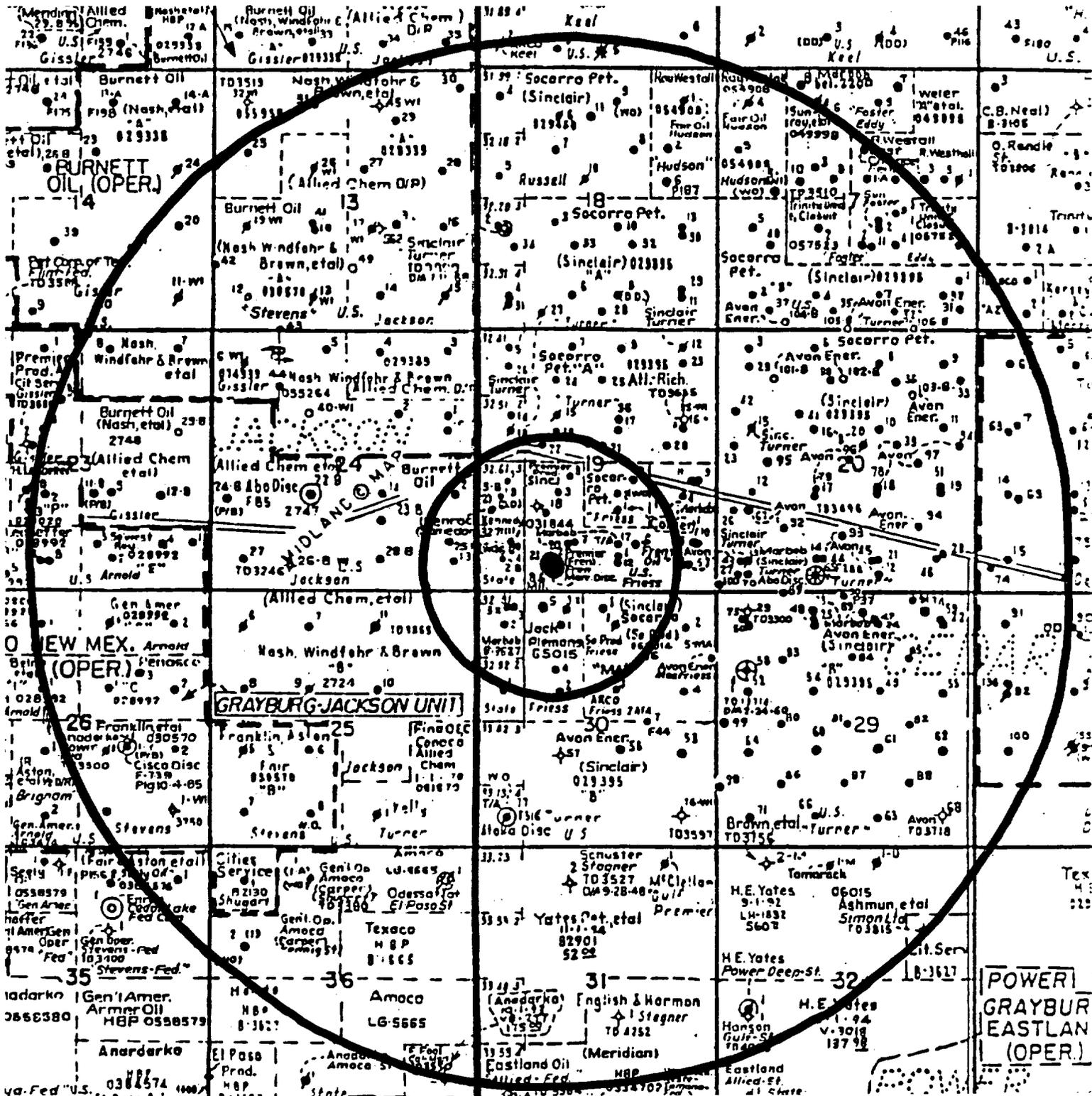
I have examined all geologic and engineering data available for the Cedar Lake field and find no evidence of open faults and other hydrologic connection between the disposal zone and any underground drinking water sources.

Name: Martin Joyce

Date: October 8, 1998

Signature: Martin Joyce

Title: Geologist



Attachment V
 Map showing two mile and one-half mile
 area of review
 Marbob Energy Corporation
 Fren Oil Company Com. # 21
 560' FSL & 3350' FEL
 Sec. 19 - T17S - R31E
 Eddy County, New Mexico

LI

Unichem International

707 North Leech P.O.Box 1499

Hobbs, New Mexico 88240

Company : Marbob - Premier Prod
Date : 10-06-1998
Location: D.H. Parke "A" - Battery (on 10-05-1998)

Specific Gravity: Sample 1
Total Dissolved Solids: 1.130
pH: 182102
Resistivity: 6.46
IONIC STRENGTH: 20.000 ohms @ 68 [F
3.254

CATIONS:		me/liter	mg/liter
Calcium	(Ca+2)	144	2880
Magnesium	(Mg+2)	52.0	632
Sodium	(Na+1)	2910	67000
Iron (total)	(Fe+2)	0.002	0.050
ANIONS:			
Bicarbonate	(HCO ₃ -1)	13.0	793
Carbonate	(CO ₃ -2)	0	0
Hydroxide	(OH-1)	0	0
Sulfate	(SO ₄ -2)	79.1	3800
Chloride	(Cl-1)	3020	107000

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86 [F	30 [C	0.58	-4.0
104 [F	40 [C	1.2	-3.2
122 [F	50 [C	1.5	-3.2
140 [F	60 [C	1.8	-3.2
168 [F	76 [C	2.4	-3.7
176 [F	80 [C	2.6	-3.7

Comments:
cc: Jay Brown
Bill Polk

LI

LI

Unichem International

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company : Marbob
Date : 10-06-1998
Location: Cedar Lake Fed - Battery (on 10-05-1998)

Specific Gravity: 1.154
Total Dissolved Solids: 216246
pH: 5.81
Resistivity: 20.000 ohms @ 68[F]
IONIC STRENGTH: 4.027

CATIONS:		me/liter	mg/liter
Calcium	(Ca+2)	432	8640
Magnesium	(Mg+2)	112	1360
Sodium	(Na+1)	3190	73300
Iron (total)	(Fe+2)	0.004	0.120

ANIONS:			
Bicarbonate	(HCO ₃ -1)	5.20	317
Carbonate	(CO ₃ -2)	0	0
Hydroxide	(OH-1)	0	0
Sulfate	(SO ₄ -2)	33.3	1600
Chloride	(Cl-1)	3700	131000

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86 [F]	30 [C]	0.35	6.3
104 [F]	40 [C]	0.99	6.2
122 [F]	50 [C]	1.3	6.2
140 [F]	60 [C]	1.6	6.2
168 [F]	76 [C]	2.2	5.5
176 [F]	80 [C]	2.3	5.5

Comments:

cc: Bill Polk
Jay Brown

LI

©
LI©

Unichem International

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company : Marbob
Date : 10-06-1998
Location: Lee Federal - Battery (on 10-05-1998)

Specific Gravity: ©Sample 1 1.154
Total Dissolved Solids: 216247
pH: 5.92
▲Resistivity: 20.000 ohms @ 68 [F
IONIC STRENGTH: 3.878

©CATIONS:		©me/liter	©mg/liter
Calcium	(Ca+2)	244	4880
Magnesium	(Mg+2)	36.0	437
Sodium	(Na+1)	3420	78700
Iron (total)	(Fe+2)	0.110	3.06

©ANIONS:		©me/liter	©mg/liter
Bicarbonate	(HCO©3-1)	8.60	525
Carbonate	(CO©3-2)	0	0
Hydroxide	(OH-1)	0	0
Sulfate	(SO©4-2)	56.2	2700
Chloride	(Cl-1)	3640	129000

©SCALING INDEX (positive value indicates scale)

©Temperature		Calcium ©Carbonate	Calcium ©Sulfate
86 [F	30 [C	0.36	6.8
104 [F	40 [C	1.00	6.9
122 [F	50 [C	1.3	6.9
140 [F	60 [C	1.6	6.9
168 [F	76 [C	2.2	5.9
176 [F	80 [C	2.4	5.9

Comments:
cc: Bill Polk
Jay Brown

LI

©
LI©

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: ©Sample 1 1.147
Total Dissolved Solids: 205424
pH: 6.50
▲Resistivity: 20.000 ohms @ 68[F]
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:		©me/liter	©mg/liter
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:
cc: Bill Polk
Jay Brown

LI

No. 7 (Devonian, loss circ. @ T.D.) 12275-299. no initial shut-in. Open 90", opened with strong blow, decreased throughout and died in 60". Recovered 2,000 WCM + 8,732' salt water plus 150' salt water below sub. 90" FSI 5122, FP 3652-5029-5122, HP 5871-5825 chlorides: Top recovery 9,000 ppm, middle 22,000 ppm, bottom 37,000 ppm, pit 3,000 ppm.

FORMATION TOPS: (all electric logs except Devonian)

Rustler	340	Cisco Lime	9230
Yates	1430	Strawn Lime	10376
Queen	2393	Bend	10620
San Andres	3205	Morrow Lime	10975
Glorietta	4730	Chester	11554
Abo Grn. Sh.	6914	Lower Miss. Lm.	11688
Abo Reef	6920	Woodford	12219
Wolfcamp Lime	8120	Devonian	12281

LITHOLOGY:

0	-	340	Red beds, sm. thin sands
340	-	1430	Salt, anhy., gyp., sm. red beds
1430	-	2800	Dolorhite, red & gry. f.g. sd & red sh. anhy
2800	-	3205	Dolorhite with thin gry f.g. sd. zones
3205	-	4730	Dolorhite
4730	-	6914	Predom. dirty brn to blk. shly, chty, lime
6914	-	6920	Green shale
6920	-	7300	Reef dolorhite
7300	-	8120	Light colored anhy ^t ic dolorhite
8120	-	8950	Predom. lime with thin zones of dolo. & sh.
8950	-	10375	Alternating gry. to blk. calc. sh. & lime zones, some chert, more shale than lime.
10375	-	10620	Predom. lime, sdy, sl.chty, sm. gzt. ^t ic sd.
10620	-	11554	Predom. gry. to blk. sh. with few thin sd. and lime zones
11554	-	11688	Lime at top and predom. sh. at bottom
11688	-	12219	Solid lime, cherty in upper half
12219	-	12281	Brn. to blk. sh.
12281	-	12299	Porous white dolorhite

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 Fren Oil Company Com. No. 21 is located 560' FSL and 3350' FEL, Section 19, Township 17 South, Range 31 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 Devonian formation at a depth 12,275' - 12,299'. A maximum surface pressure of 2455 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 Raye Miller 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
October 11, 13, 14, 1998.



marbob
energy corporation

October 8, 1998

*Mr. Joe Lopez
New Mexico State Land Office
Commissioner of Public Lands
Post Office Box 1148
Santa Fe, New Mexico 87504*

**RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico**

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application for converting the Fren Oil Company Com. #21 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, and surface and minerals owners of our proposal to convert this well into a disposal well. If you have any objections, you must notify the Oil Conservation Division in 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 one copy to Marbob.

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

Sincerely,

*Dean Chumbley
Land Department*

*DC/mm
Enclosures*

*New Mexico State Land Office has no
objection to the proposed disposal well:*

*By: _____
Title: _____
Date: _____*



marbob
energy corporation

October 8, 1998

*Burlington Resources Oil and Gas
Post Office Box 51810
Midland, Texas 79710-1810*

**RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico**

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

Sincerely,

*Dean Chumbley
Land Department*

*DC/mm
Enclosures*

*Burlington Resources Oil & Gas has no
objection to the proposed disposal well:*

*By: _____
Title: _____
Date: _____*



marbob
energy corporation

October 8, 1998

*Ralph M. Randel Trust
c/o Bank One Trust Department
500 Throckmorton Street
Fort Worth, Texas 76102*

**RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico**

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application for converting the Fren Oil Company Com. #21 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 if you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

DC/mm
Enclosures

**Ralph M. Randel Trust has no objection
to the proposed disposal well:**

By: _____
Title: _____
Date: _____



marbob
energy corporation

October 8, 1998

*Mizel Resources
5801 East 41st, Suite 104
Tulsa, Oklahoma 74135*

*RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico*

Gentlemen:

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

Sincerely,

*Dean Chumbley
Land Department*

*DC/mm
Enclosures*

*Mizel Resources has no objection
to the proposed disposal well:*

*By: _____
Title: _____
Date: _____*



marbob
energy corporation

October 8, 1998

*Katherine Ariel Johnston Barger
23 Wanda Way
Martinez, California 94553*

**RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico**

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application for converting the Fren Oil Company Com. #21 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, and surface and minerals owners of our proposal to convert this well into a disposal well. If you have any objections, you must notify the Oil Conservation Division in 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 one copy to Marbob.

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

Sincerely,

Dean Chumbley
Land Department

DC/mm
Enclosures

Katherine Ariel Johnston Barger has no objection to the proposed disposal well:

By: _____
Title: _____
Date: _____



marbob
energy corporation

October 8, 1998

*Premier Oil and Gas, Inc.
Post Office Box 1246
Artesia, New Mexico 88211-1246*

**RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico**

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application for converting the Fren Oil Company Com. #21 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, and surface and minerals owners of our proposal to convert this well into a disposal well. If you have any objections, you must notify the Oil Conservation Division in 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 one copy to Marbob.

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

Sincerely,

Dean Chumbley
Land Department

DC/mm
Enclosures

*Premier Oil & Gas, Inc. has no objection
to the proposed disposal well:*

By: _____
Title: _____
Date: _____



marbob
energy corporation

October 8, 1998

*Arco Permian
Post Office Box 1610
Midland, Texas 79702*

**RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico**

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application for converting the Fren Oil Company Com. #21 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 if you have any questions concerning this matter.

Sincerely,

*Dean Chumbley
Land Department*

*DC/mm
Enclosures*

*Arco Permian has no objection
to the proposed disposal well:*

*By: _____
Title: _____
Date: _____*



marbob
energy corporation

October 8, 1998

*Devon Energy Corporation
20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102*

**RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico**

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application for converting the Fren Oil Company Com. #21 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 if you have any questions concerning this matter.

Sincerely,

*Dean Chumbley
Land Department*

*DC/mm
Enclosures*

*Devon Energy Corporation has no
objection to the proposed disposal well:*

*By: _____
Title: _____
Date: _____*



marbob
energy corporation

October 8, 1998

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

*RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico*

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application for converting the Fren Oil Company Com. #21 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 if you have any questions concerning this matter.

Sincerely,

*Dean Chumbley
Land Department*

*DC/mm
Enclosures*

*Mack Energy Corporation has no
objection to the proposed disposal well:*

*By: _____
Title: _____
Date: _____*



marbob
energy corporation

October 8, 1998

*Burnett Oil Company, Inc.
801 Cherry Street, Suite 1500
Fort Worth, Texas 76102-6869*

*RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico*

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application for converting the Fren Oil Company Com. #21 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 if you have any questions concerning this matter.

Sincerely,

*Dean Chumbley
Land Department*

*DC/mm
Enclosures*

*Burnett Oil Company has no objection
to the proposed disposal well:*

*By: _____
Title: _____
Date: _____*



October 8, 1998

Glen Plemons
Post Office Box 113
Lovington, New Mexico 88261-0113

**RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico**

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application for converting the Fren Oil Company Com. #21 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 if you have any questions concerning this matter.

Sincerely,

Dean Chumbley
Land Department

DC/mm
Enclosures

*Glen Plemons has no objection
to the proposed disposal well:*

By: _____
Title: _____
Date: _____



marbob
energy corporation

October 8, 1998

*Enron Oil & Gas
Post Office Box 2267
Midland, Texas 79705*

**RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico**

Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application for converting the Fren Oil Company Com. #21 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, and surface and minerals owners of our proposal to convert this well into a disposal well. If you have any objections, you must notify the Oil Conservation Division in 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 one copy to Marbob.

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

Sincerely,

**Dean Chumbley
Land Department**

**DC/mm
Enclosures**

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

**By: _____
Title: _____
Date: _____**



marbob
energy corporation

October 8, 1998

*Bureau of Land Management
2909 West Second Street
Roswell, New Mexico 88201*

**RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico**

Gentlemen:

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

Sincerely,

Dean Chumbley
Land Department

DC/mm
Enclosures

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

By: _____
Title: _____
Date: _____



marbob
energy corporation

October 8, 1998

*Williams & Son Cattle Company
Post Office Box 30
Maljamar, New Mexico 88264*

**RE: Conversion to Disposal Well - Fren Oil Company Com. #21
560' FSL and 3350' FEL - Section 19-17S-31E
Eddy County, New Mexico**

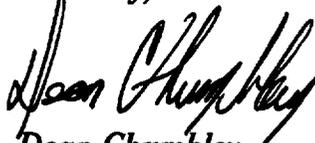
Gentlemen:

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

Sincerely,


Dean Chumbley
Land Department

DC/mm
Enclosures

Williams & Son Cattle Company has no objection to the proposed disposal well:

By: _____
Title: _____
Date: _____



Facsimile Cover Sheet

marbob
energy corporation

date 10-29-98

to: BEN STONE w/ NMOCD

fax #: 505 827 1389

number of pages including cover sheet : 2

if you trouble recieving this fax, please contact:

phone 505/748-3303

Fax 505/746-2523

comments:

*FOLLOWING IS THE AFFIDAVIT OF PUBLICATION
YOU NEEDED.
LET US KNOW IF YOU NEED ANYTHING FURTHER.*

*THANKS
DEAN CHUMBLEY
MARBOB ENERGY*

Affidavit of Publication

NO. 16377

STATE OF NEW MEXICO

County of Eddy

Gary D. Scott being duly

sworn, says: That he is the Publisher of The Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 3 consecutive weeks/days on the same

day as follows:

First Publication	October	11	1998
Second Publication	October	13	1998
Third Publication	October	14	1998
Fourth Publication			

Subscribed and sworn to before me this

14th day of October 1998

Barbara B. Bess
Notary Public, Eddy County, New Mexico

My Commission expires September 23, 1999

Copy of Publication:

LEGAL NOTICE
Mariboh Energy Corporation, Post Office Box 227, Artesia, New Mexico 88211-0227 has filed ~~document 408~~ application for Authorization to Inject with the New Mexico Oil Conservation Division seeking administrative approval for salt water disposal well. The proposed well, the Fren Oil company Com. NO. 21 is located 560' FSL and 3350' FEL, Section 19, Township 17 South, Range 31 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 Devonian formation at a depth 12,275' - 12,299'. A maximum surface pressure of 2455 psi, and a maximum rate of 10,000 BWP/D. 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 Kaye Miller at Mariboh Energy Corporation, Post Office Box 227, Artesia, New Mexico 88211-0227 or call 505-746-3303. Published in the Artesia Daily Press, Artesia, New Mexico, October 11, 13, 14, 1998.
Legal 16377