

RELEASE 4-19-93

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

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CHAIRMAN OF THE BOARD
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TREASURER

April 2, 1993

New Mexico Energy & Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504

Attn: David Catanach

Dear Mr. Catanach,

Enclosed please find our application for authorization to inject for the Big Eddy Unit Fed. 79-Y located in Section 21-T21S-R28E of Eddy County.

Sincerely,

Brian Collins
Engineer

BC/th

Enclosures

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Yates Petroleum Corporation
Address: 105 S. 4th Street
Contact party: Brian Collins Phone: (505) 748-1471
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Brian Collins Title: Engineer
Signature: Brian Collins Date: April 2, 1993
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

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1912 - 1985
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DENNIS G. KINSEY
TREASURER

April 2, 1993

New Mexico Energy & Minerals Department
Oil Conservation Division
Drawer DD
Artesia, NM 88210

Attn: Mike Williams

Dear Mr. Williams,

Enclosed please find our application for authorization to inject for the Big Eddy Unit Fed.
79-Y located in Section 21-T21S-R28E of Eddy County.

Sincerely,

Brian Collins
Engineer

BC/th

Enclosures

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1912 - 1985
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DENNIS G. KINSEY
TREASURER

April 2, 1993

Bureau of Land Management
P. O. Box 1778
Carlsbad, NM 88220

Attn: Richard Manus

Dear Mr. Manus,

Enclosed please find our application for authorization to inject for the Big Eddy Unit Fed.
79-Y located in Section 21-T21S-R28E of Eddy County.

Sincerely,

Brian Collins
Engineer

BC/th

Enclosures

C-108
Application For Authorization To Inject
Yates Petroleum Corporation
Big Eddy Unit Fed. 79-Y
J 21-T21S-R28E
Eddy County, New Mexico

- I. The purpose of reworking this well is to make a disposal well for produced Delaware Sand water into the Delaware Sand formation.

Yates Petroleum plans to convert this well to a water disposal well into the Delaware Sand.

- II. Operator: Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210
Brian Collins (505) 748-1471

- III. Well Data: See Attachment A

- IV. This is not an expansion of an existing project.

- V. See attached map, Attachment B

- VI. 1 well within the area of review penetrate the proposed injection zone. (See Attachment C)

- VII. 1. Proposed average daily injection volume approximately 1,500 BWPD.
Maximum daily injection volume approximately 3,000 BWPD.
2. This will be a closed system.
3. Proposed average injection pressure-unknown.
Proposed maximum injection pressure--774 psi.
This pressure based on top perf at 3869'. If, at a later date, shallower intervals are added, maximum injection pressure will be reduced to 0.2 psi/ft. x new top perf depth.
4. Sources of injected water would be produced water from the Delaware Sand. (Attachment D)
5. See Attachment D.

- VIII. 1. The proposed injection interval is the portion of the Delaware Sand formation consisting of porous Sandstone from estimated depths of 3000'-5900'.
- Current perforations are 3869'-3878' and 5784'-5805'. Although we plan to utilize the current perforated intervals, we are seeking approval to inject into a larger interval in case it is necessary to add more injection interval due to possible low injectivity in the existing intervals.
2. Possible Fresh water zones overlie the proposed injection formations at depths to approximately 1000' feet. There are no fresh water zones underlying the formation.
- IX. The proposed disposal interval may be acidized with 7-1/2% HCL acid, 12-3 HF acid, or proppant fractured.

**Application for Authorization to Inject
Big Eddy Unit Fed. 79-Y**

-2-

- X. Logs were filed at your office when the well was drilled.
- XI. No windmills exist within a one mile radius of the subject location.
- XII. Yates Petroleum Corporation has examined geologic and engineering data and has found that there is no evidence of faulting in the proposed interval.
- XIII. Proof of Notice
 - A. Certified letters sent to the surface owner and offset operators attached. (Attachment E)
 - B. Copy of legal advertisement attached. (Attachment F)
- XIV. Certification is signed.

**Yates Petroleum Corporation
Big Eddy Unit Fed. 79-Y
J- 21-T21S-R28E**

Attachment A

Page 1

III. Well Data

A. 1. Lease Name/Location:

Big Eddy Unit Fed. 79-Y

J-21-T21S-R28E

1980' FSL & 1930' FEL

2. Casing Strings:

a. Present Well Condition

13 3/8", 48#, H40 @ 1000' w/830 sx (circ)

8 5/8", 28#, S80 @ 2939' w/1427 sx.

5 1/2", 15.5#, J55 @ 6508' w/720 sx (TOC 2460' CBL)

Present Status:

Non-commercial completion in Delaware at 3869'-3878' and 5784'-5805'.

3. Proposed well condition:

Casing same as above.

3 1/2" 9.3 J55 or 2-7/8" 6.5 J55 plastic-coated injection tubing @ 3800'.

4. Propose to use Guiberson or Baker plastic-coated or nickel-plated packer set at 3800'.

B. 1. Injection Formation: Delaware Sand

2. Injection Interval will be through perforations from approximately 3869' - 5805'.

3. Well was originally drilled as a Delaware Sand oil well. Well will be Delaware Sand water disposal well (3869'-5805') when work is completed.

4. Perforations: 3869' - 3878', 5784' - 5805'.

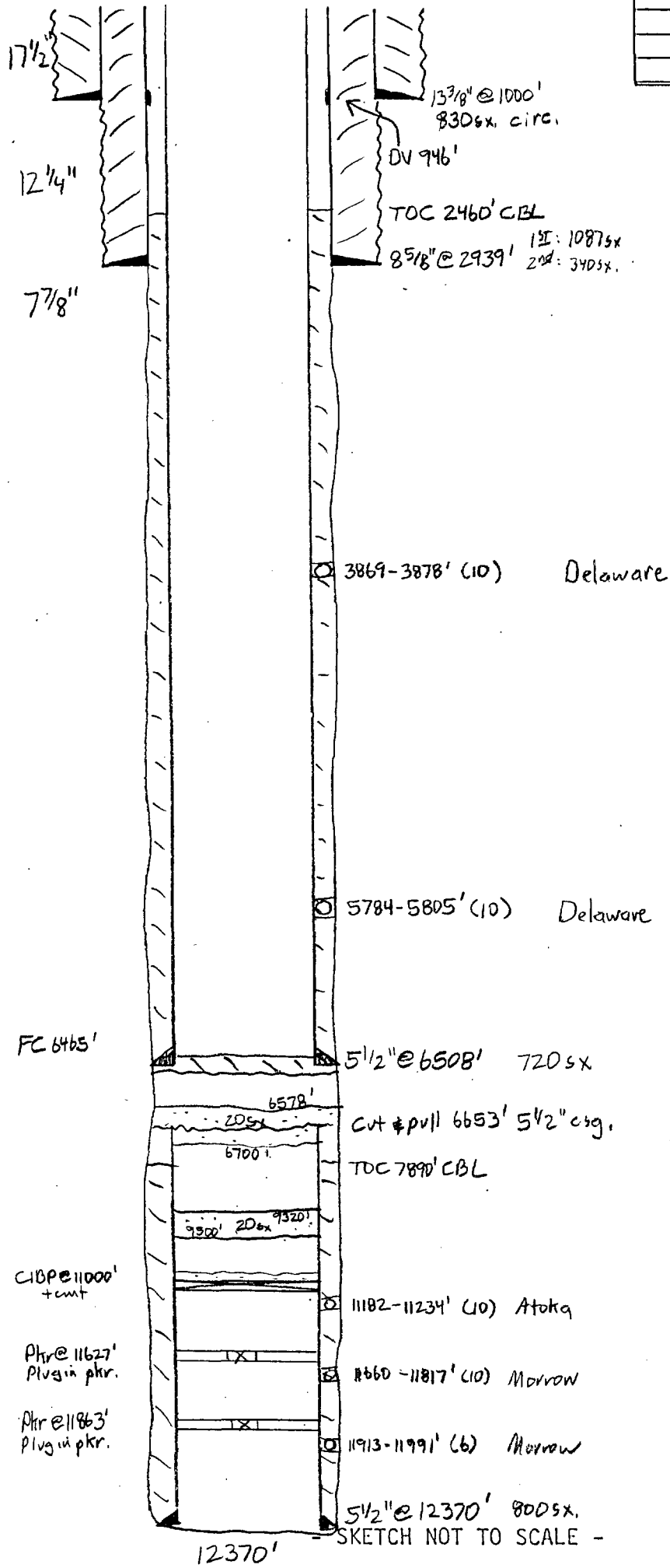
5. Next higher (shallower) oil or gas zone within 2 miles--None.

Next lower (deeper) oil or gas zone within 2 miles--Bone Spring.

WELL NAME: Big Eddy 79-Y FIELD AREA: _____
 LOCATION: 1980' FSL, 1930' FEL J-21-215-28e Eddy NM
 L: 3221' ZERO: 18' AGL: _____
 B: 3239' ORIG. DRLG./COMPL. DATE: _____
 COMMENTS: _____

CASING PROGRAM:

SIZE/WT./GR./CONN.	DEPTH SET
13 3/8 48 H40 STE	1000'
8 5/8 28 S80 STC	2939'
5 1/2 17 N80 LTC	6653' - 12370'
5 1/2 15.5 J95	6508'



Attachment A
 Current Status

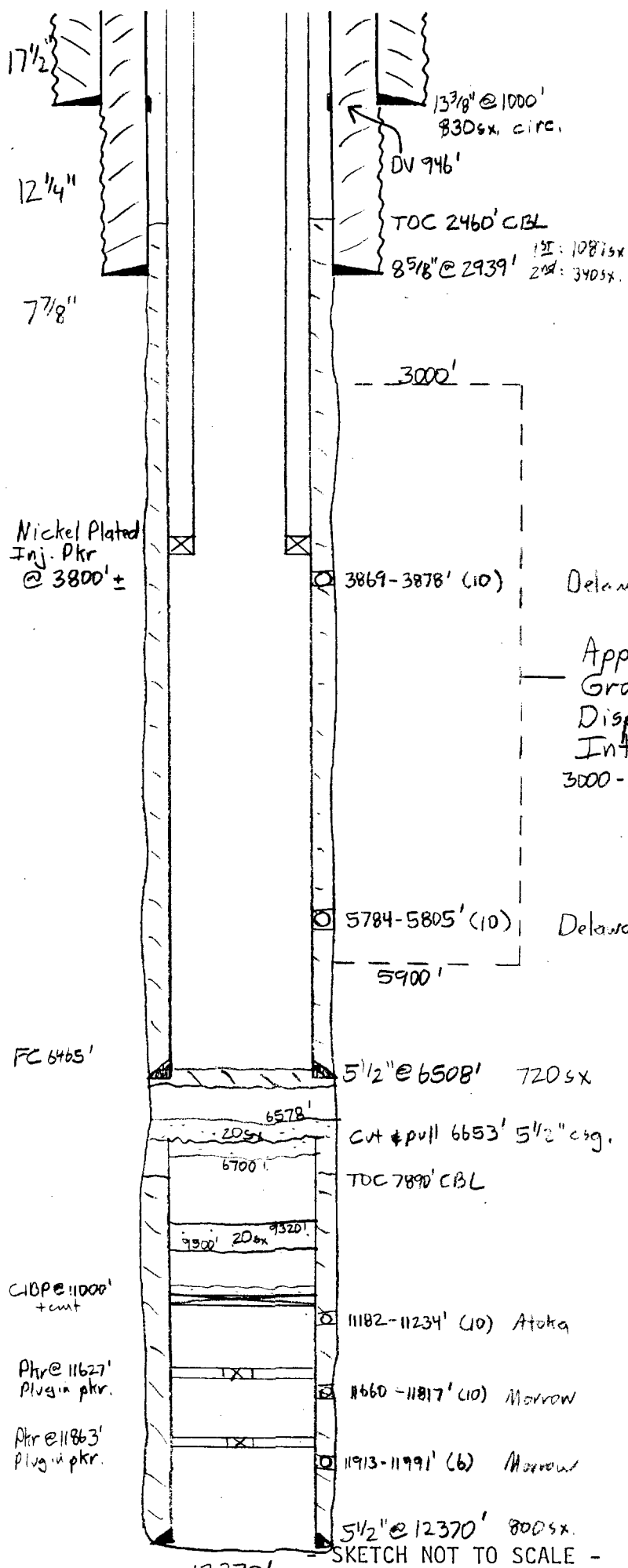
ILLEGIBLE

REVISED: _____

WELL NAME: Big Eddy 79-Y FIELD AREA: _____
 LOCATION: 1980' FSL, 1930' FEL J-21-21s-28e Eddy NM
 GL: 3221' ZERO: 18' AGL: _____
 KB: 3239' ORIG. DRLG./COMPL. DATE: _____
 COMMENTS: _____

CASING PROGRAM:

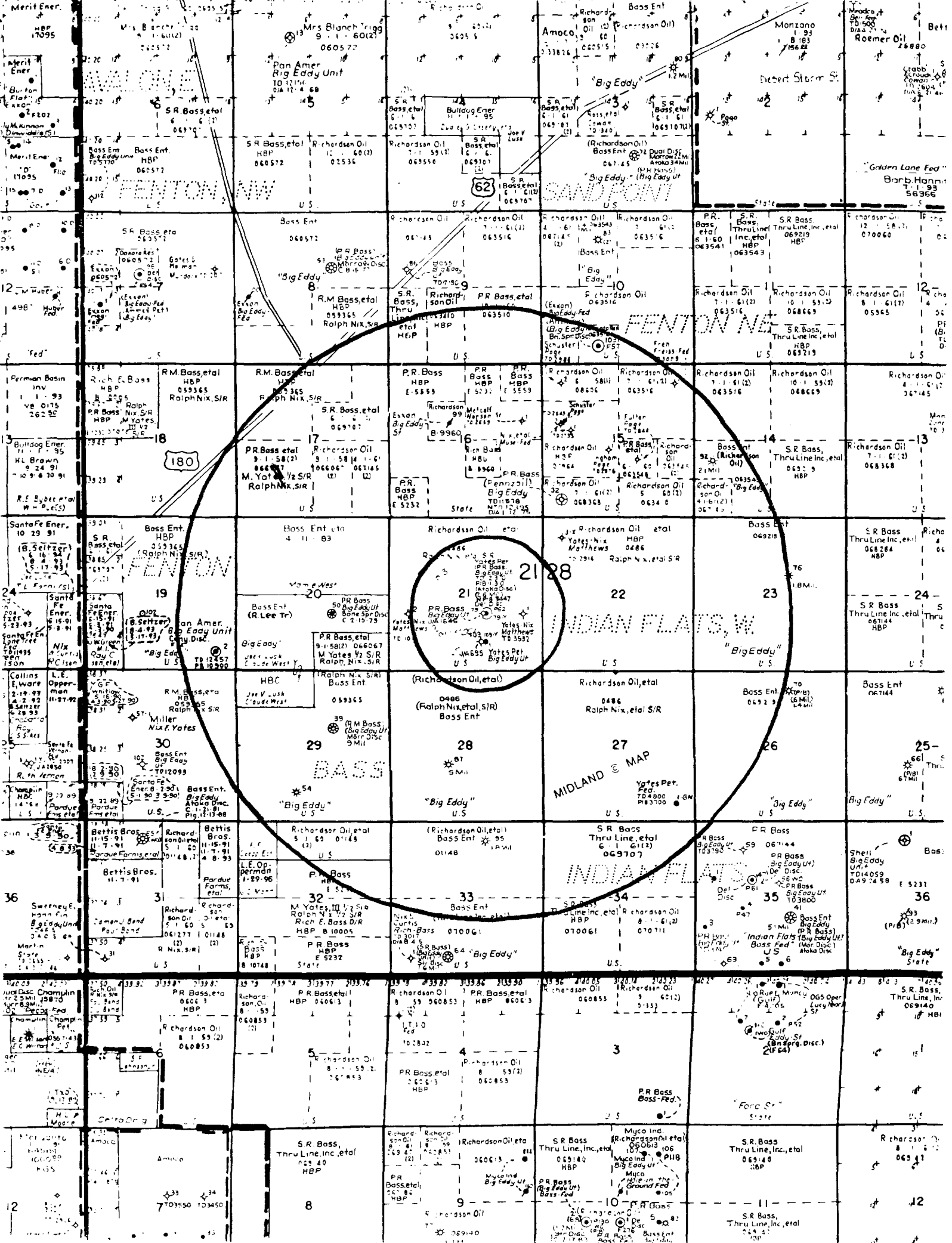
SIZE/WT./GR./CONN.	DEPTH SET
13 3/8 48 H40 STC	1000'
8 5/8 28 S80 STC	2939'
5 1/2 17 N80 LTC	6653' - 12370'
5 1/2 15.5 J95	6508'
3 1/2 9.3 J95 EVE Plastic Lined	3800'
- OR -	
2 7/8 6.5 J95 EVE Plastic Lined	3800'



Attachment A
 Proposed Schematic

ILLEGIBLE

REVISED: _____



YATES PETROLEUM CORPORATION

BIG EDDY UNIT FED. 79-Y

PROPOSED SALT WATER DISPOSAL WELL

SEC. 21-T21S-R28E

1980'FSL & 1930'FEL

EDDY COUNTY, NEW MEXICO

<u>Well Name</u>	<u>Operator</u>	<u>Type</u>	<u>Spud</u>	<u>Completed</u>	<u>Total Depth</u>	<u>Producing Zone</u>	<u>Perforations</u>	<u>Completion Information</u>
Big Eddy Unit 109-Y O 21-21S-28E	YPC	Oil	03/13/85	07/02/85	6037'	Delaware	3552'-5951'	13 3/8" @ 925' w/575 sx 8 5/8" @ 2555' w/1440 sx 5 1/2" @ 6037' w/465 sx 2 7/8" @ 5720'

OIL CONSERVATION COMMISSION

A 10x10 grid with 'N' at the top, 'W' on the left, and 'R' at the bottom. The grid contains faint, illegible text within its cells.

Company ☒ Martin Yates III & Ralph Nix

Farm Name **Matthews**

Well No.

Land Classification Government

Sec. 21 Twp. 21 Range 28 County Eddy

Feet from Line: N. 1980 S. 660 E. 120 W.

Elevation

Method *Spahr*

Contractor

Scout

Spudded 7-14-42 Completed 6-2-43 Initial Production

Bond Status

AMOUNT
CABING AND CEMENTING RECORD

SIZE	FEET	INCHES	SAX CEMENT
8 1/4	1092		S
7	3096		AA
7	2458	902	5

ACID RECORD

Gals.

TA 100

TX

BX

TR

TY

TB

TW

Top Pay

-TD

SHOOTING RECORD

No. of Quarts

From

To

No. of Quarts

From

To

SIW 70606

810-252-64L 810-2546-995

8/24/2011 10:50:07

31-9988-5dy L BIG 1-88 L

3/0

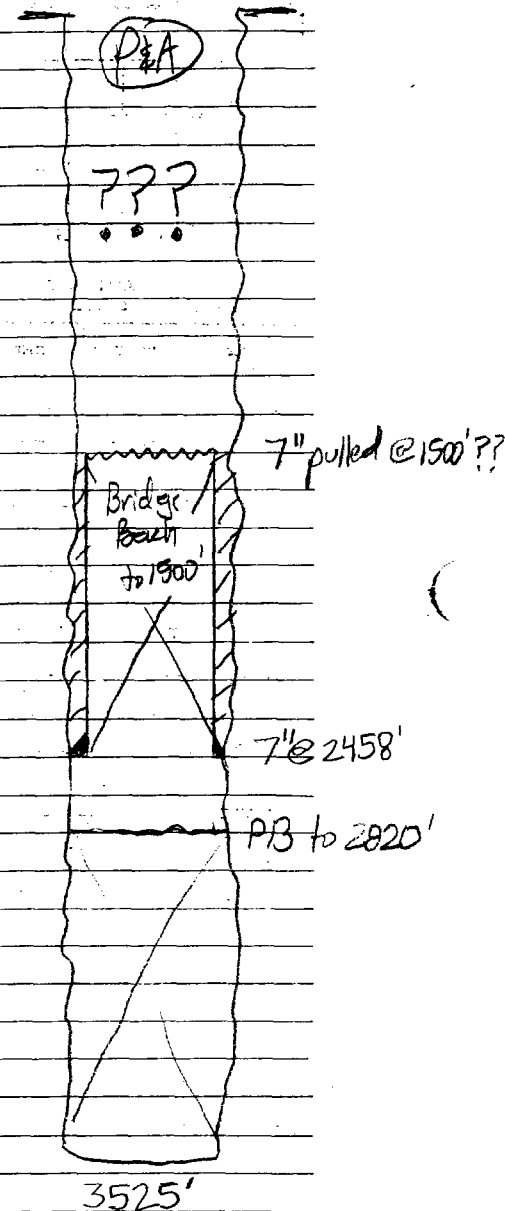
PACKER

DATE	7-1-42	DATE	
7-8	MIM	11-15	T.D. 3159 Sdy
7-15	φ 20 Gr + S		UR Cdy.
7-22	φ 9.55 A	12-22	φ 3375 L
7-29	φ 1240 L		BR WPD
8-5	φ 1625 L		
8-12	φ 1950 L	1-5	T.D. 3522 L
8-19	φ 2308 L		WCD
8-26	φ 2550 Sdy L	1-12-43	T.D. 3525 L
9-2	φ 2747 Sdy L		S.D.O.
9-9	φ 2930 L	1-765	T.D. 3525 L
9-16	T.D. 3035 S		Plug & Patching
	S.D.O.	2-16	T.D. 3525 L
12-1	T.D. 3053 L		S.D.O.
	Plug to Run 7" Cdy	2-23	T.D. 3525 L
	Run Plug to T.D.		P.B. 2925-30
12-8	φ 3158 Sdy	3-2	Plug & Patching
	SLM 3065 = 47		T.D. 3525 L
			P.B. 2825
			WOC on P.B.
		3-9	T.D. 3525 L
			P.B. 2800

LOG

DEPTH	FORMATION	DEPTH	FORMATION	DEPTH	FORMATION
1060	A				
1100	L				
1290	✓				
	T.D. 3525L				
	P.B. 2820				
	WOC and a piece of pipe				
3-30	T.D. 3525L				
	P.B. 2820				
4-6	T.D. 3525L				
	P.B. 2820				
	Ring Jumper				
4-13	T.D. 3525L				
	P.B. 2820				
	500				
4-20	✓				
4-27	T.D. 3525L				
	Bringing back				
	to 1500 to test				
6-8	T.D. 3525L				
	P&A				

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TRETOLITE®**Chemicals and Services**

PETROLITE

16010 Barker's Point Lane • Houston, Texas 77079
713 558-5200 • Telex: 4620346 • FAX: 713 589-4737Reply to: P.O. Box FF
Artesia, New Mexico 88210
(505) 746-3588 Phone
(505) 746-3580 Fax**WATER ANALYSIS REPORT**
-----Company : YATES PETROLEUM
Address : ARTESIA, NEW MEXICO
Lease : FEDERAL GN
Well : #1
Sample Pt. : UNKNOWNDate : 03/05/93
Date Sampled : UNKNOWN
Analysis No. : 059

ANALYSIS		mg/L		* meq/L
-----		----		-----
1. pH		5.7		
2. H ₂ S		0		
3. Specific Gravity		1.085		
4. Total Dissolved Solids		134831.5		
5. Suspended Solids		NR		
6. Dissolved Oxygen		NR		
7. Dissolved CO ₂		NR		
8. Oil In Water		NR		
9. Phenolphthalein Alkalinity (CaCO ₃)				
10. Methyl Orange Alkalinity (CaCO ₃)				
11. Bicarbonate	HCO ₃	244.0	HCO ₃	4.0
12. Chloride	Cl	82218.0	Cl	2319.3
13. Sulfate	SO ₄	2500.0	SO ₄	52.1
14. Calcium	Ca	9800.0	Ca	489.0
15. Magnesium	Mg	3698.3	Mg	304.3
16. Sodium (calculated)	Na	36371.1	Na	1582.0
17. Iron	Fe	NR		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO ₃)		39700.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
-----	-----	-----	-----
489 *Ca <----- *HCO ₃	Ca(HCO ₃) ₂	81.0 4.0	324
----- /----->	CaSO ₄	68.1 52.1	3543
304 *Mg <-----> *SO ₄	CaCl ₂	55.5 433.0	24025
----- <----- /	Mg(HCO ₃) ₂	73.2	
1582 *Na <-----> *Cl	MgSO ₄	60.2	
-----	MgCl ₂	47.6 304.3	14484
Saturation Values Dist. Water 20 C	NaHCO ₃	84.0	
CaCO ₃ 13 mg/L	Na ₂ SO ₄	71.0	
CaSO ₄ * 2H ₂ O 2090 mg/L	NaCl	58.4 1582.0	92455
BaSO ₄ 2.4 mg/L			

REMARKS:

----- L. MALLET / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
LEE MALLET

TRETOLITE

Chemicals and Services

PETROLITE

16010 Barker's Point Lane • Houston, Texas 77079
713 558-5200 • Telex: 4620346 • FAX: 713 589-4737Reply to: P.O. Box FF
Artesia, New Mexico 88210
(505) 746-3588 Phone
(505) 746-3580 Fax**WATER ANALYSIS REPORT**Company : YATES PETROLEUM
Address : ARTESIA, NEW MEXICO
Lease : BIG EDDY
Well : 79Y
Sample Pt. : UNKNOWNDate : 03/05/93
Date Sampled : UNKNOWN
Analysis No. : 060

ANALYSIS		mg/L		* meq/L
-----		----		-----
1. pH		5.8		
2. H2S		150 PPM		
3. Specific Gravity		1.160		
4. Total Dissolved Solids		183325.6		
5. Suspended Solids		NR		
6. Dissolved Oxygen		NR		
7. Dissolved CO2		NR		
8. Oil In Water		NR		
9. Phenolphthalein Alkalinity (CaCO3)				
10. Methyl Orange Alkalinity (CaCO3)				
11. Bicarbonate	HCO3	305.0	HCO3	5.0
12. Chloride	Cl	115233.0	Cl	3250.6
13. Sulfate	SO4	750.0	SO4	15.6
14. Calcium	Ca	26840.0	Ca	1339.3
15. Magnesium	Mg	4729.8	Mg	389.1
16. Sodium (calculated)	Na	35467.9	Na	1542.8
17. Iron	Fe	NR		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO3)		86500.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt	X meq/L	= mg/L
-----	-----	-----	-----	-----
1339 *Ca <----- *HCO3	Ca(HCO3)2	81.0	5.0	405
----- /----->	CaSO4	68.1	15.6	1063
389 *Mg -----> *SO4	CaCl2	55.5	1318.7	73175
----- <----- /	Mg(HCO3)2	73.2		
1543 *Na -----> *Cl	MgSO4	60.2		
-----	MgCl2	47.6	389.1	18524
Saturation Values Dist. Water 20 C	NaHCO3	84.0		
CaCO3 13 mg/L	Na2SO4	71.0		
CaSO4 * 2H2O 2090 mg/L	NaCl	58.4	1542.8	90158
BaSO4 2.4 mg/L				

REMARKS:

----- L. MALLET / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
LEE MALLET

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 (505) 746-3588 Phone
 (505) 746-3580 Fax
WATER ANALYSIS REPORT
 Company : YATES PETROLEUM
 Address : ARTESIA, NEW MEXICO
 Lease : BIG EDDY
 Well : 109Y
 Sample Pt. : UNKNOWN

 Date : 03/05/93
 Date Sampled : UNKNOWN
 Analysis No. : 061

ANALYSIS		mg/L		* meq/L
-----		----		-----
1. pH	6.1			
2. H ₂ S	170 PPM			
3. Specific Gravity	1.150			
4. Total Dissolved Solids		181191.3		
5. Suspended Solids		NR		
6. Dissolved Oxygen		NR		
7. Dissolved CO ₂		NR		
8. Oil In Water		NR		
9. Phenolphthalein Alkalinity (CaCO ₃)				
10. Methyl Orange Alkalinity (CaCO ₃)				
11. Bicarbonate	HCO ₃	268.4	HCO ₃	4.4
12. Chloride	Cl	115020.0	Cl	3244.6
13. Sulfate	SO ₄	700.0	SO ₄	14.6
14. Calcium	Ca	24880.0	Ca	1241.5
15. Magnesium	Mg	6914.4	Mg	568.9
16. Sodium (calculated)	Na	33408.5	Na	1453.2
17. Iron	Fe	NR		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO ₃)		90600.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt X meq/L	= mg/L

1242 *Ca <----- *HCO ₃	4	Ca(HCO ₃) ₂	81.0	357
----- /----->		CaSO ₄	68.1	992
569 *Mg -----> *SO ₄	15	CaCl ₂	55.5	67839
----- <----- /		Mg(HCO ₃) ₂	73.2	
1453 *Na -----> *Cl	3245	MgSO ₄	60.2	
-----		MgCl ₂	47.6	27080
Saturation Values Dist. Water 20 C		NaHCO ₃	84.0	
CaCO ₃ 13 mg/L		Na ₂ SO ₄	71.0	
CaSO ₄ * 2H ₂ O 2090 mg/L		NaCl	58.4	84924
BaSO ₄ 2.4 mg/L				

REMARKS:

----- L. MALLET / FILE

Petro-lite Oilfield Chemicals Group

Respectfully submitted,
LEE MALLET

ATTACHMENT E

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

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CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

April 2, 1993

Richardson Oil Company
P. O. Box 9808
309 W. First Avenue
Denver, CO 80209

Gentlemen,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Big Eddy Unit Fed. 79-Y located in Unit J of Section 21-T21S-R28E of Eddy County.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

Brian Collins
Engineer

BC/th

Enclosures

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

April 2, 1993

P. R. Bass
201 Main Street
First City Bank Tower
Fort Worth, TX 76102-3131

Gentlemen,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Big Eddy Unit Fed. 79-Y located in Unit J of Section 21-T21S-R28E of Eddy County.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,



Brian Collins
Engineer

BC/th

Enclosures

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TREASURER

April 2, 1993

Bass Enterprises Production Company
3100 First City Bank Tower
201 Main Street
Fort Worth, TX 76102-3195

Gentlemen,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Big Eddy Unit Fed. 79-Y located in Unit J of Section 21-T21S-R28E of Eddy County.

Should you have any questions, please feel free to contact me at (505) 748-1471.

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TREASURER

April 2, 1993

Artesia Daily Press
503 W. Main
Artesia, NM 88210

Gentlemen,

Yates Petroleum Corporation desires to place a public notice in your newspaper for one day. The notice is enclosed.

Please place this notice in your paper on Sunday, April 4, 1993 and forward a copy of it along with your billing as soon as possible to:

Yates Petroleum Corporation
105 S. 4th Street
Artesia, NM 88210
Attn: Brian Collins

If you have any questions, please contact me at 748-1471, Ext. 182. Thank you for your cooperation in this matter.

Sincerely,

Brian Collins
Engineer

BC/th

Enclosure

Attachment F

Legal Notice

Yates Petroleum Corporation, 105 South Fourth Street, Artesia, NM 88210, has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well, the Big Eddy Unit Fed. 79-Y located 1980'FSL & 1930'FEL of Section 21, Township 21 South, Range 28 East of Eddy County, New Mexico, will be used for saltwater disposal. Disposal waters from the Delaware Sand will be re-injected into the Delaware Sand at a depth of 3000'-5900' with a maximum pressure of 774 psi and a maximum rate of 3,000 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, NM 87501, within 15 days. Additional information can be obtained by contacting Brian Collins at (505) 748-1471.

Big Eddy 79-Y

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Nm Energy & Minerals Dept.
Oil Conservation Division
Drawer D10
Altoona, NM 88210

4a. Article Number

P 106 965 006

4b. Service Type

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

4/15/93

5. Signature (Addressee)

[Signature]
6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, November 1990 *U.S. GPO: 1991-287-066

DOMESTIC RETURN RECEIPT

Big Eddy 79-Y

SENDER:

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3. Article Addressed to:

Bureau of Land Mgmt.
P.O. Box 1778
Carlsbad, NM 88220

4a. Article Number

P 106 965 007

4b. Service Type

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

4-5-93

5. Signature (Addressee)

6. Signature (Agent)

[Signature]
Betty Hill

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, November 1990 *U.S. GPO: 1991-287-066

DOMESTIC RETURN RECEIPT

Big Eddy 79-Y

SENDER:

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3. Article Addressed to:

Richardson Oil Co.
P.O. Box 9808
309 W. First Avenue
Denver, CO 80209

4a. Article Number

P 106 965 008

4b. Service Type

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

4-6-93

5. Signature (Addressee)

6. Signature (Agent)

[Signature]
Dawn Huffer

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, November 1990 *U.S. GPO: 1991-287-066

DOMESTIC RETURN RECEIPT

2 pages
Ben Stone
827-5741

Big Eddy 79-Y

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- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

nm Energy & Minerals Dept
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504

4a. Article Number

P 106 965 005

4b. Service Type

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Date of Delivery

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, November 1990 *U.S. GPO: 1991-287-068

DOMESTIC RETURN RECEIPT

Big Eddy 79-Y

SENDER:

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- ☐ Restricted Delivery

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3. Article Addressed to:

Bass Enterprises Prod.
Company
3100 First City Bank Tower
601 Main Street
Fort Worth, TX 76102-3195

4a. Article Number

P 106 965 009

4b. Service Type

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, November 1990 *U.S. GPO: 1991-287-068

DOMESTIC RETURN RECEIPT

Big Eddy 79-Y

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- ☐ Restricted Delivery

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3. Article Addressed to:

P.R. Bass
201 Main Street
First City Bank Tower
Fort Worth, TX 76102-3131

4a. Article Number

P 106 965 010

4b. Service Type

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

6. Signature (Agent)

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DOMESTIC RETURN RECEIPT