

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2834

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
YATES PETROLEUM CORPORATION (505) 748-1471

3. Address and Telephone No.
105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
635' FSL & 330' FEL of Section 4-T20S-R24E (Unit P, SESE)

5. Lease Designation and Serial No.

NM-39635

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Mimosa AHS Federal #3-Y

9. API Well No.

30-015-29123

10. Field and Pool, or Exploratory Area

Undesignated Morrow

11. County or Parish, State

Eddy Co., NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Authorization to Inject
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please see the attached C-108 (Application for Authorization to Inject) that has been filed with the New Mexico Oil Conservation.

**SUBJECT TO
LIKE APPROVAL
BY STATE**

NMOCD



14. I hereby certify that the foregoing is true and correct

Signed

Rusty Klein

Title Operations Technician

Date Oct. 8, 1996

(This space for Federal or State office use)

(ORIG. SGD.) **ALEXIS C. SWOBODA**

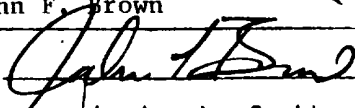
Approved by

Title PETROLEUM ENGINEER

Date 10/10/96

Conditions of approval, if any:

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 South Fourth Street Artesia, NM 88210
Contact party: John F. Brown Phone: (505) 748-4219
- 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: John F. Brown Title: Operations Engineer
Signature:  Date: 9-11-96
- * 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 2000, 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.

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

September 11, 1996

David Catanach
State of New Mexico
OIL CONSERVATION DIVISION
2040 S. Pacheco Street
Santa Fe, NM 87505-5472

Dear Mr. Catanach,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) for the proposed Mimosa SWD #3 located in Unit P of Section 4-T20S-R24E, Eddy County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-4219

Sincerely,

John F. Brown
Operations Engineer

JFB/th

Enclosure

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DENNIS G. KINSEY
TREASURER

September 11, 1996

Tim Gum
State of New Mexico
OIL CONSERVATION DIVISION
811 South First Street
Artesia, NM 88210

Dear Mr. Gum,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) for the proposed Mimosa SWD #3 located in Unit P of Section 4-T20S-R24E, Eddy County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-4219

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SECRETARY
DENNIS G. KINSEY
TREASURER

September 11, 1996

Richard Manus
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220-6292

Dear Mr. Manus,

Enclosed please find a copy of form C-108 (Application for Authority to Inject) for the proposed Mimosa SWD #3 located in Unit P of Section 4-T20S-R24E, Eddy County, New Mexico.

Should you have any questions, please feel free to contact me at (505) 748-4219

Sincerely,

John F. Brown
Operations Engineer

JFB/th

Enclosure

C-108
Application For Authorization To Inject
Yates Petroleum Corporation
Mimosa SWD #3
P 4-20S-24E
Eddy County, New Mexico

- I. The purpose of completing this well is to make a disposal well for produced Canyon water into the Devonian and Ellenburger.
- II. Operator: Yates Petroleum Corporation
South Fourth Street
Artesia, NM 88210
John F. Brown (505) 748-4219
- III. Well Data: See Attachment A
- IV. This is not an expansion of an existing project.
- V. See attached map, Attachment B
- VI. 2 wells within the area of review penetrate the proposed injection zone. (Attachment C)
- VII.
 1. Proposed average daily injection volume approximately 20,000 BWPD.
Maximum daily injection volume approximately 30,000 BWPD.
 2. This will be a closed system.
 3. Proposed average injection pressure--unknown.
Proposed maximum injection pressure--1886 psi.
 4. Sources of injected water would be produced water from the Canyon. (Attachment D)
 5. See Attachment D.
- VIII. The proposed injection interval is open hole from 9700' to TD or cased with 7" casing to TD.
- IX. The proposed disposal interval may be acidized with 15-20% HCL acid.
- 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.

Application for Authorization to Inject
Mimosa SWD #3

-2-

XIII. Proof of Notice

- A. No other surface owners or offset operators located in the area of review.
- B. Copy of legal advertisement attached. (Attachment E)

XIV. Certification is signed.

Yates Petroleum Corporation
Mimosa SWD #3
P 4-20S-24E

Attachment A
Page 1

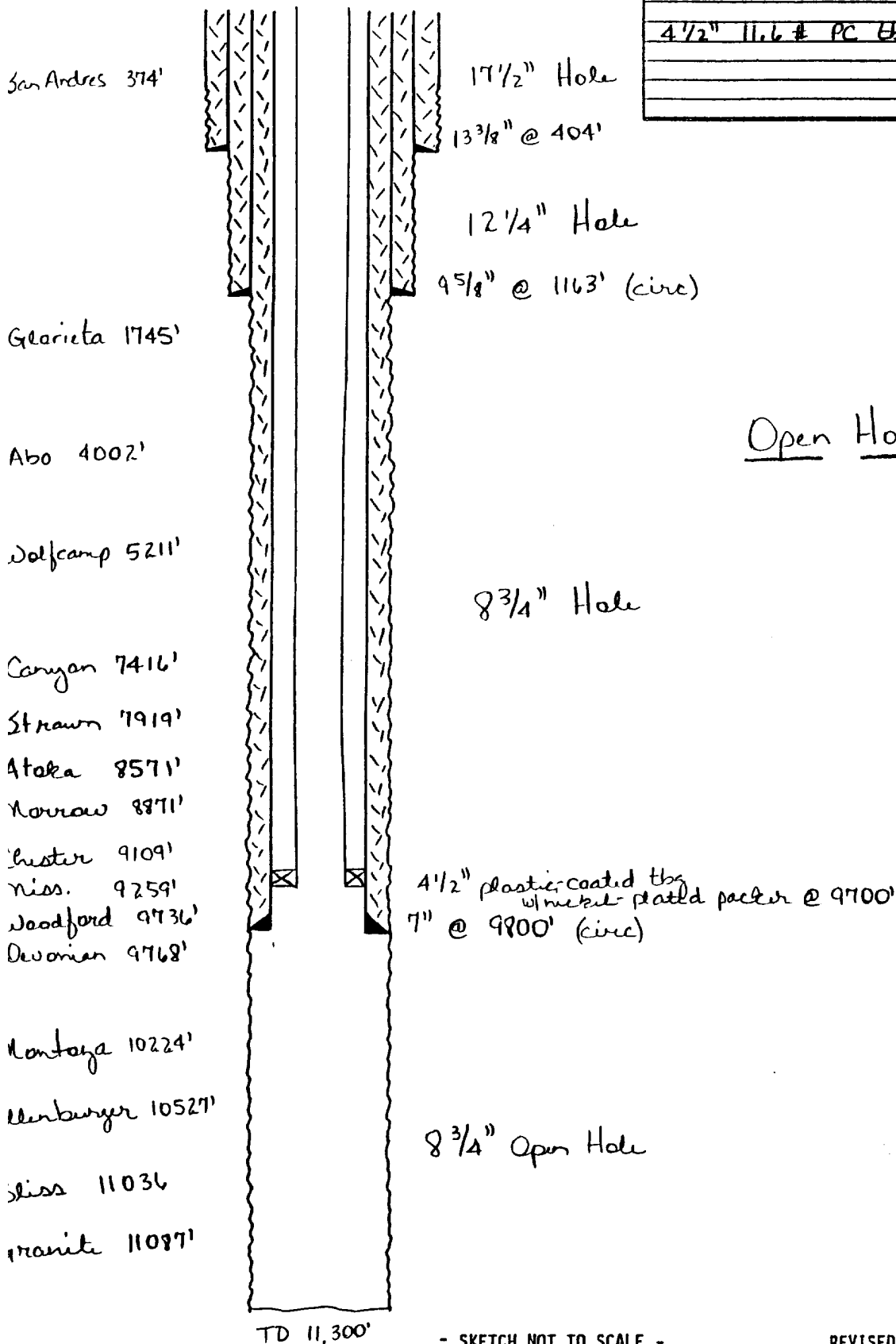
III. Well Data

- A. 1. Lease Name/Location:
Mimosa SWD #3
P 4-20S-24E
635'FSL & 330'FEL
2. Casing Strings:
a. Proposed well condition:
See Attachment A - Proposed Status.
13 3/8" 54#, J-55 at 404' (circ).
9 5/8" 36#, J-55 at 1163' (circ).
7" 26#, S95, N80 at 9800' (circ) or
7" 26#, S95 & N-80 at 11,300'.
4 1/2" 11.6#, plastic-coated tubing w/nickel plated packer at 9700'
3. Propose to use Guiberson or Baker plastic-coated or nickel-plated packer set at 9700'.
- B. 1. Injection Formation: Devonian, Ellenburger.
2. Option I - Injection interval will be open hole from 9700' to TD.
Option II - Injection interval from perforations 9700'-11,300'.
3. Well was originally drilled as an exploratory Canyon/Morrow well. Well will be a Devonian and Ellenburger water disposal well (11,300'-TD) when work is completed.
4. Next higher (shallower) oil or gas zone within 2 miles--Morrow.
Next lower (deeper) oil or gas zone within 2 miles--None.

WELL NAME: Limosa D # 3 FIELD AREA: _____
 LOCATION: 635' ESL 330' FEL P 4-205-2
 GL: 3795' ZERO: _____' AGL: _____'
 KB: _____' ORIG. DRLG./COMPL. DATE: _____
 COMMENTS: _____

CASING PROGRAM:

SIZE/WT./GR./CONN.	DEPTH SET
13 3/8" 54 # J-55	404'
9 5/8" 36 # J-55	1163'
7" 26 # S95, N80	9800'
4 1/2" 11.6 # PC Ebg. + per	9700'



Open Hole Option

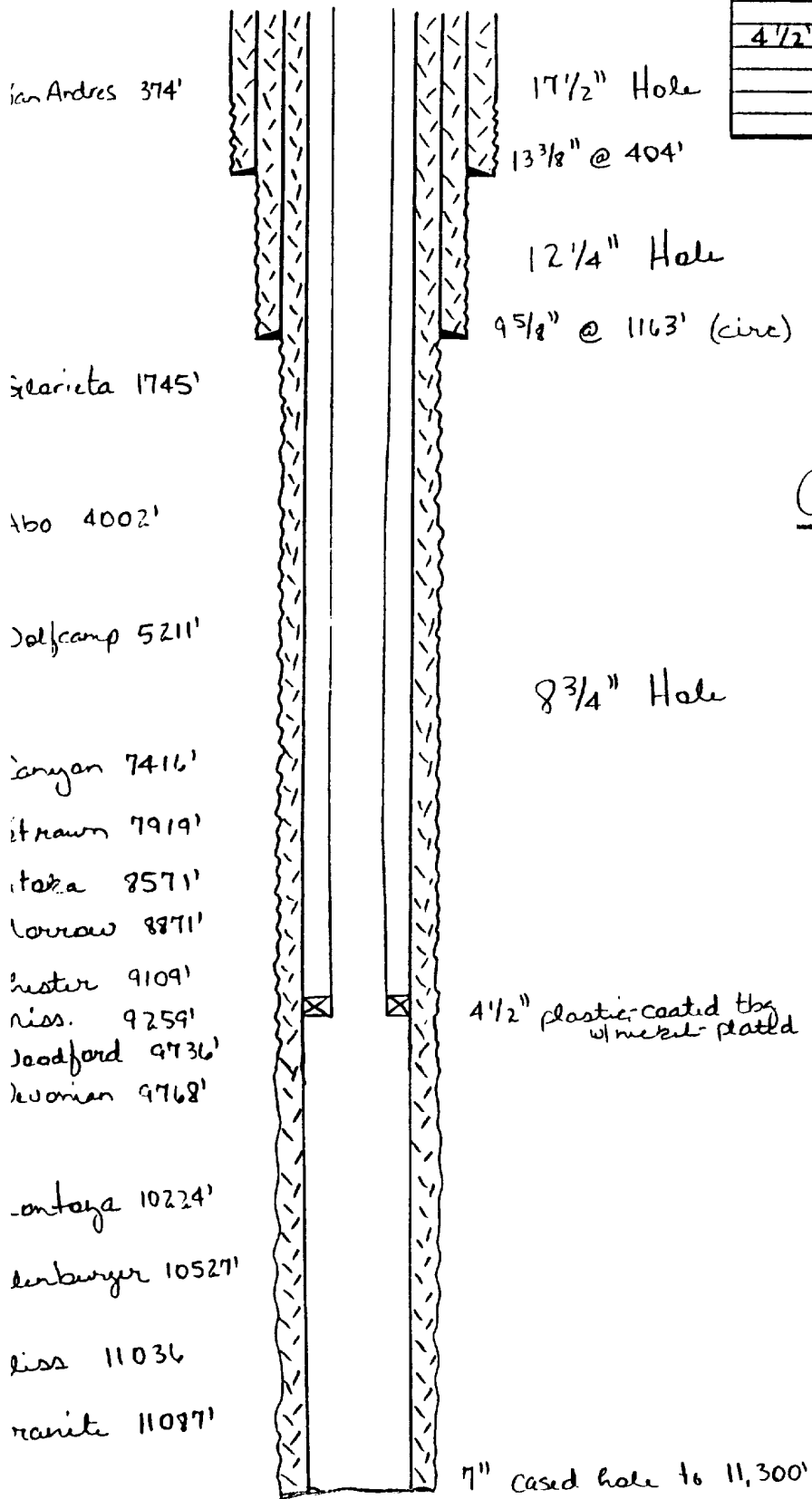
- SKETCH NOT TO SCALE -

REVISED: _____

WELL NAME: Elmora # 3 FIELD AREA: _____
 LOCATION: 635' ESL & 330' FEL P 4-20S-2+E
 GL: 3795' ZERO: _____' AGL: _____'
 KB: _____' ORIG. DRLG./COMPL. DATE: _____
 COMMENTS: _____

CASING PROGRAM:

SIZE/WT./GR./CONN.	DEPTH SET
13 3/8" 54 # J-55	404'
9 5/8" 36 # J-55	1163'
7" 26 # S95, N80	11300'
4 1/2" 11.6 # PC Hbz. + pcr	9700'



Cased Hole Option

- SKETCH NOT TO SCALE -

REVISED: _____

Affidavit of Publication

No. 15638

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 state, and that the hereto attached Legal Notice

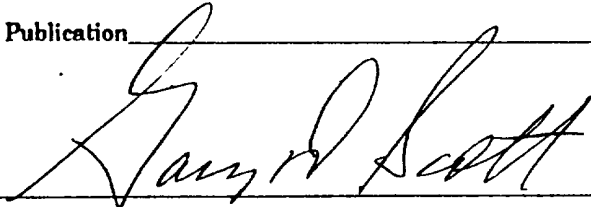
was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 consecutive weeks on the same day as follows:

First Publication September 22, 1996

Second Publication _____

Third Publication _____

Fourth Publication _____



Subscribed and sworn to before me this 23rd day of September 19 96


Notary Public, Eddy County, New Mexico

My Commission expires September 23, 1999

Copy of Publication

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 "Mimosa SWD #3," located 635' FSL & 330' FEL, Section 4, Township 20 South, Range 24 East of Eddy County, New Mexico, will be used for salt water disposal. Disposal waters from the Canyon will be re-injected into the Mississippian, Devonian and Ellenburger at a depth of 9430'-11,300' with a maximum pressure of 1886 psi and a maximum rate of 30,000 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, 2040 S. Pacheco Street, Santa Fe, NM 87501, within 15 days. Additional information can be obtained by contacting John F. Brown at (505) 748-4129. Published in the Artesia Daily Press, Artesia, N.M. September 22, 1996.

Legal 15638