

ABOVE THIS LINE FOR DIVISION USE ONLY

copy  
6 p/d 1503  
for approval

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR

- [D] Other: Specify \_\_\_\_\_

SWD  
- EOG Resources, Inc  
25575

Wey  
- Mimoso Federal  
#3y  
30-015-29123  
POW

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or  Does Not Apply

- [A]  Working, Royalty or Overriding Royalty Interest Owners  
[B]  Offset Operators, Leaseholders or Surface Owner  
[C]  Application is One Which Requires Published Legal Notice  
[D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
[E]  For all of the above, Proof of Notification or Publication is Attached, and/or,  
[F]  Waivers are Attached

SWD; Devonian -  
Montoya  
97803

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Brice A. Letcher, P.E.

*Brice A Letcher*

Sr. Production Engineer

03/14/2017

Print or Type Name

Signature

Title

Date

Brice Letcher@eogresources.com  
e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: \_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance  Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval?  Yes \_\_\_\_\_ No
- II. OPERATOR: EOG Y Resources, Inc.  
ADDRESS: 104 South 4<sup>th</sup> Street, Artesia, NM 88210  
CONTACT PARTY: Brice A. Letcher, P.E. PHONE: (575) 748-4180
- 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: SWD645
- 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: Brice A. Letcher, P.E. TITLE: Sr. Production Engineer

SIGNATURE: *Brice A. Letcher* DATE: 03/14/2017

E-MAIL ADDRESS: Brice.Letcher@eogresources.com

- \* 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.

### XIII. 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, 1220 South St. Francis Dr., 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.

## **C-108 Application for Authorization to Inject**

**EOG Y Resources, Inc.  
Mimosa Federal SWD #3Y  
Unit P, 635' FSL & 330' FEL Sec. 4-T20S-R24E  
Eddy County, New Mexico**

- I. EOG Y Resources seeks administrative approval for authorization to inject in the Mimosa Federal SWD #3Y (API # 30-015-29123) for the purpose of disposing waters produced from the Canyon and Yeso into the Mississippian, Devonian and Ellenburger Sand formations. This application qualifies for administrative approval.
- II. Operator: EOG Y Resources, Inc.  
104 South 4<sup>th</sup> Street  
Artesia, NM 88210  
Contact: Brice A. Letcher, P.E. (575)748-4180
- III. Well Data: See Attachment A
- IV. This is an expansion of an existing project – SWD645.
- V. Area of Review: See attached map, Attachment B.
- VI. Wells within Area of Review: See attached well data, Attachment C.
- VII. Proposed Operation:
  1. Proposed average daily injection volume is 8,000 BWPD. Proposed maximum daily injection volume is 15,000 BWPD.
  2. This will be a closed system.
  3. Proposed average injection pressure is 500 psig. Proposed maximum injection pressure is 2,020 psig.
  4. Sources of injected water will be produced from the Canyon and Yeso. See attached example water analyses, Attachment D.
- VIII. Injection Zone Geologic Data:
  1. The proposed injection zone is the Mississippian, Devonian and Ellenburger Sand formations, specifically the porous sandstone intervals from 9,100'-9,141'; 10,035'-10,075'; 10,100'-10,102'; 11,102'-11,106'.

2. Ground water maps for the area indicate that fresh water sources have been encountered in aquifers down to a depth of 200'-650'. There are no fresh water zones underlying the proposed injection zone.
- IX. No stimulation is required.
  - X. Logs were filed when the well was drilled.
  - XI. There are no active water wells within a one mile radius.
  - XII. EOG Y Resources has examined geologic and engineering data and has found no evidence of faulting in the proposed interval for this area, see Attachment G.
  - XIII. Proof of Notice:
    - A. Certified letters have been sent to the surface owners and offset operators, see Attachment E.
    - B. A legal advertisement has been published in the county in which the well is located, see Attachment F.
  - XIV. The certification that the information submitted with this application is true and correct to the best of the applicant's knowledge and belief has been signed.

## Attachment A

### Well Data

- A.
1. Lease Name/Location:  
Mimosa Federal SWD #3Y  
Unit P, Sec. 4-T20S-R24E  
635' FSL & 330' FEL
  2. Casing Strings:  
13  $\frac{3}{8}$ " 54.5# J-55 ST&C @ 404', cmtd with 970 sx (circ).  
9  $\frac{5}{8}$ " 36# J-55 ST&C @ 1,163', cmtd with 970 sx (circ).  
7" 23# & 26# S-95, N-80, J-55 & L-80 @ 11,220', cmtd with 2,670 sx (circ).
  3. Injection string is 3  $\frac{1}{2}$ " 9.3# L-80 IPC tubing at  $\pm 9,044'$ .
  4. Packer is AS-1 nickel-plated packer set at  $\pm 9,044'$ .
- B.
1. Injection Formation: Mississippian, Devonian & Ellenbuger sand and dolomite formations.
  2. Injection interval is perforated interval from 9,100'-11,106' gross interval.
  3. Well was originally drilled and completed as a salt water disposal well.
  4. There are no other perforated intervals in the well.
  5. Next higher (shallower) oil or gas zone within 2 miles – Morrow.  
Next lower (deeper) oil or gas zone within 2 miles – None.

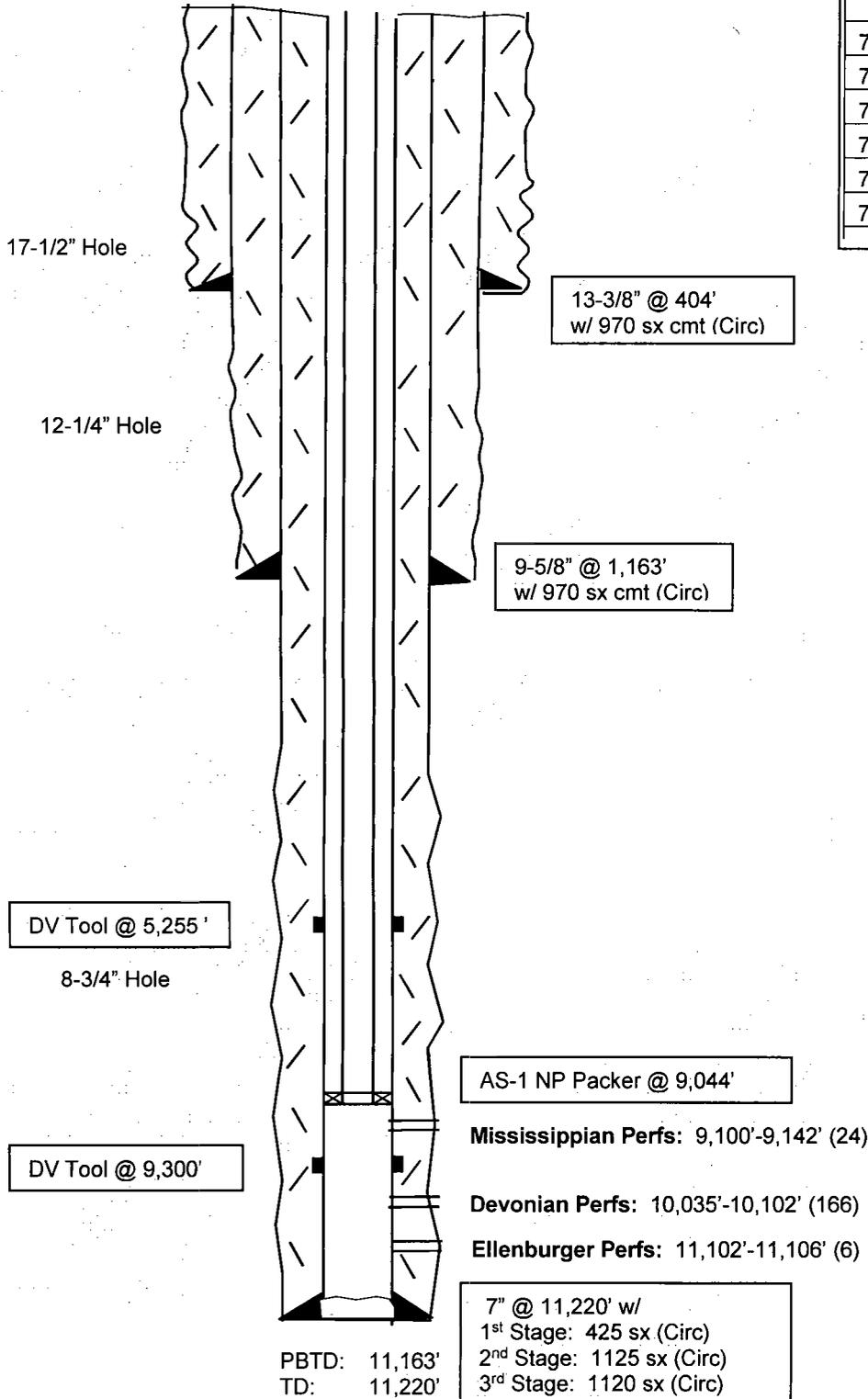
**WELL NAME:** Mimosa Federal SWD #3Y      **FIELD:** \_\_\_\_\_  
**LOCATION:** 635' FSL & 330' FEL of Section 4-20S-24E Eddy Co., NM  
**GL:** 3,795'      **ZERO:** \_\_\_\_\_      **KB:** 3,808'  
**SPUD DATE:** 8/3/96      **COMPLETION DATE:** 10/4/96  
**COMMENTS:** API No.: 30-015-29123

**CASING PROGRAM**

13-3/8" 54.5# J-55		<b>404'</b>
9-5/8" 36# J-55		<b>1,163'</b>
7" 26# S-95	(1,963')	
7" 26# N-80	(2,485')	
7" 26# J-55	(2,130')	
7" 23# J-55	(691')	
7" 26# J-55	(1,219')	
7" 26# L-80	(2,732')	<b>11,220'</b>

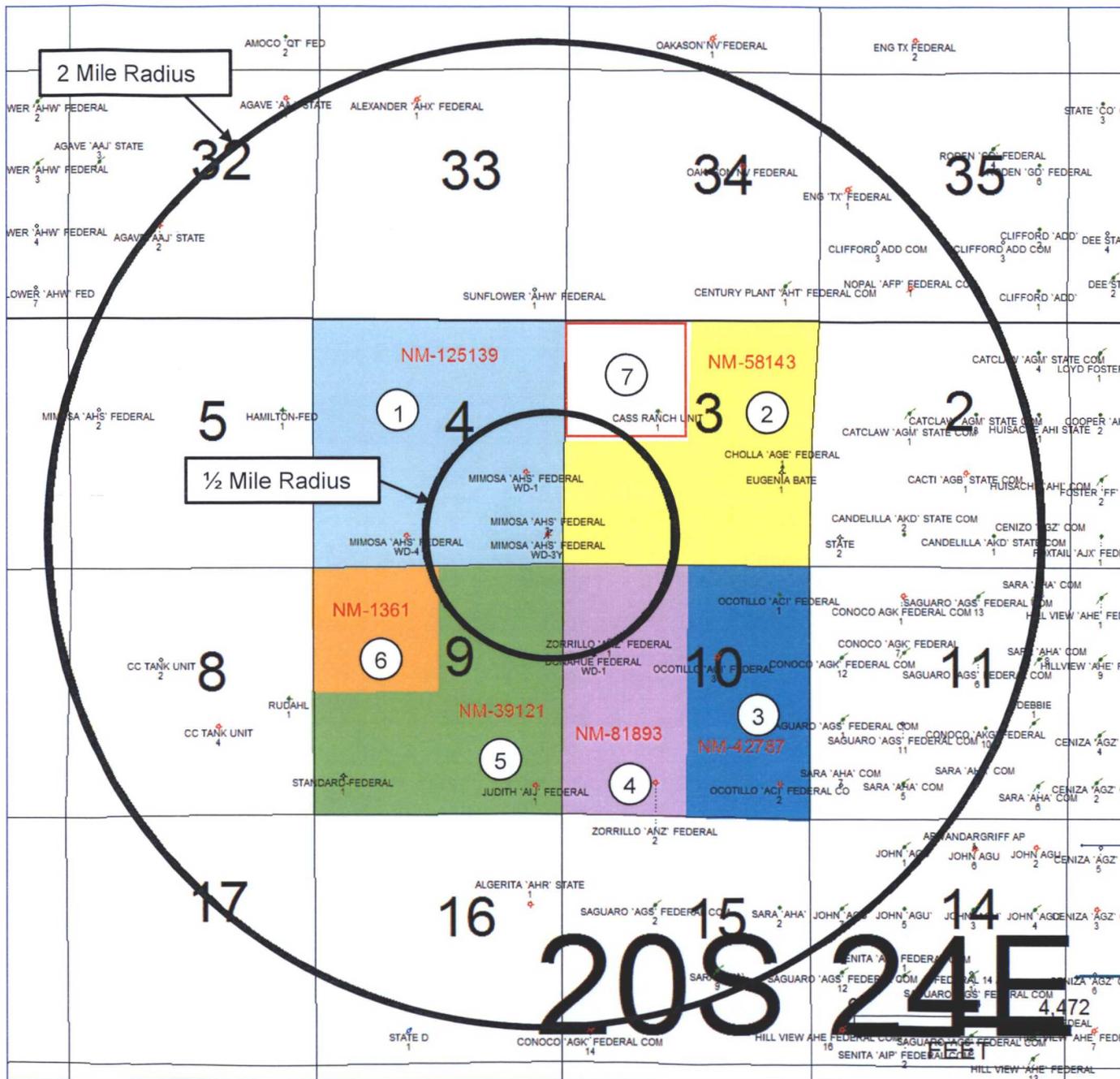
**Formation Tops**

San Andres	390'
Glorieta	1,767'
Abo	4,046'
Wolfcamp	5,272'
Canyon	7,404'
Strawn	8,038'
Atoka	8,604'
Morrow	8,913'
Miss.	9,022'
Devonian	9,784'
Ellenburger	10,555'



**Not to Scale**  
 2/17/17  
 BAL

# Attachment B



- NM-125139
- NM-58143
- NM-42787
- NM-81893
- NM-39121
- NM-1361
- Unleased Federal



Eddy Co., New Mexico  
 Mimosa Federal SWD #3Y  
 Plat 4 - 20S - 24E  
 635 FSL 330 FEL

208 24E

### Attachment C

Mimosa Federal SWD #3Y  
Form C-108

Tabulation of data on wells within Area of Review.

Well Name	Operator	Type	Spud	Total Depth	Producing Zone	Perforations	Completion Information
Mimosa AHS Federal SWD #1 SL: 1980' FSL & 810' FEL Sec 4-20S-24E	EOG Y Resources	SWD	8/28/1990	11,150'	Miss. Devonian Ellenburger	7,553'-7,560' (squeezed) 8,925'-8,940' (squeezed) 9,515'-9,551' 9,814'-11,011'	9 5/8" @ 1,305' Cmtd w/ 1,100 sx (circ) 7" @ 11,150' Cmtd 1st Stg w/ 450 sx Cmtd 1st stg w/ 450 sx Cmtd 2nd stg w/ 1700 sx thru DV tool @ 9,307' Sqz'd 535 sx from 3,850'-surface
Mimosa Federal SWD #4 SL: 660' FSL & 1980' FWL Sec. 4-20S-24E	EOG Y Resources	SWD	3/3/1992	11,159'	Devonian Montoya Ellenburger	Open Hole 9,950'-11,159'	9 5/8" @ 1,169' Cmtd w/ 1,500 sx (circ) 7" @ 9,950' Cmtd w/ 1,200 sx Cmtd 1st stg w/ 250 sx, TOC @ 5,984' by CBL. Cmtd 2nd stg w/ 950 sx thru DV tool @ 5,200' (circ)

# NALCO Champion

An Ecolab Company

Company: **Yates Petroleum Corporation**

Well Number: Kent BSK 1H  
 Lease: Yates Petro.  
 Location:  
 Date Run: 4/30/2014  
 Lab Ref #: 14-may-n75249

Sample Temp: 70  
 Date Sampled: 4/16/2014  
 Sampled by: Cage Riley  
 Employee #:  
 Analyzed by: GR

*Dissolved Gases*

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H <sub>2</sub> S)	5.00	16.00	.31
Carbon Dioxide	(CO <sub>2</sub> )	457.60	22.00	20.80
Dissolved Oxygen	(O <sub>2</sub> )	<b>NOT ANALYZED</b>		

*Cations*

		Mg/L	Eq. Wt.	MEq/L
Calcium	(Ca <sup>++</sup> )	4,655.16	20.10	231.60
Magnesium	(Mg <sup>++</sup> )	1,298.08	12.20	106.40
Sodium	(Na <sup>+</sup> )	57,372.70	23.00	2,494.47
Barium	(Ba <sup>++</sup> )	<b>NOT ANALYZED</b>		
Manganese	(Mn <sup>+</sup> )	1.05	27.50	.04
Strontium	(Sr <sup>++</sup> )	<b>NOT ANALYZED</b>		

*Anions*

		Mg/L	Eq. Wt.	MEq/L
Hydroxyl	(OH <sup>-</sup> )	.00	17.00	.00
Carbonate	(CO <sub>3</sub> <sup>=</sup> )	.00	30.00	.00
BiCarbonate	(HCO <sub>3</sub> <sup>-</sup> )	351.94	61.10	5.76
Sulfate	(SO <sub>4</sub> <sup>=</sup> )	1,950.00	48.80	39.96
Chloride	(Cl <sup>-</sup> )	98,207.91	35.50	2,766.42
Total Iron	(Fe)	8.1	18.60	.44
Total Dissolved Solids		164,307.54		
Total Hardness as CaCO <sub>3</sub>		16,960.03		
Conductivity MICROMHOS/CM		198,100		

pH 8.000 Specific Gravity 60/60 F. 1.114

CaSO<sub>4</sub> Solubility @ 80 F. 50.72MEq/L, CaSO<sub>4</sub> scale is unlikely

*CaCO<sub>3</sub> Scale Index*

70.0	1.847	100.0	2.187	130.0	2.777
80.0	1.947	110.0	2.487	140.0	2.777
90.0	2.187	120.0	2.487	150.0	3.127

# NALCO Champion

An Ecolab Company

Company: **Yates Petroleum Corporation**

Well Number: Federal AB #13  
 Lease: Yates Petro.  
 Location:  
 Date Run: 4/30/2014  
 Lab Ref #: 14-may-n75261

Sample Temp: 70  
 Date Sampled: 4/10/2014  
 Sampled by: Cage Riley  
 Employee #:  
 Analyzed by: GR

*Dissolved Gases*

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H <sub>2</sub> S)	25.00	16.00	1.56
Carbon Dioxide	(CO <sub>2</sub> )	281.60	22.00	12.80
Dissolved Oxygen	(O <sub>2</sub> )	<b>NOT ANALYZED</b>		

*Cations*

Calcium	(Ca <sup>++</sup> )	13,338.36	20.10	663.60
Magnesium	(Mg <sup>++</sup> )	1,898.32	12.20	155.60
Sodium	(Na <sup>+</sup> )	50,377.23	23.00	2,190.31
Barium	(Ba <sup>++</sup> )	<b>NOT ANALYZED</b>		
Manganese	(Mn <sup>+</sup> )	1.30	27.50	.05
Strontium	(Sr <sup>++</sup> )	<b>NOT ANALYZED</b>		

*Anions*

Hydroxyl	(OH <sup>-</sup> )	.00	17.00	.00
Carbonate	(CO <sub>3</sub> <sup>=</sup> )	.00	30.00	.00
BiCarbonate	(HCO <sub>3</sub> <sup>-</sup> )	127.09	61.10	2.08
Sulfate	(SO <sub>4</sub> <sup>=</sup> )	700.00	48.80	14.34
Chloride	(Cl <sup>-</sup> )	105,816.27	35.50	2,980.74
Total Iron	(Fe)	7.49	18.60	.40
Total Dissolved Solids		172,572.66		
Total Hardness as CaCO <sub>3</sub>		41,129.01		
Conductivity MICROMHOS/CM		205,700		

pH 7.500

Specific Gravity 60/60 F.

1.120

CaSO<sub>4</sub> Solubility @ 80 F.

18.25MEq/L,

CaSO<sub>4</sub> scale is unlikely*CaCO<sub>3</sub> Scale Index*

70.0	1.622	100.0	2.022	130.0	2.772
80.0	1.722	110.0	2.342	140.0	2.772
90.0	2.022	120.0	2.342	150.0	3.202

# NALCO Champion

An Ecolab Company

Company: **Yates Petroleum Corporation**

Well Number: NDDUP #86  
 Lease: Yates Petroleum  
 Location:  
 Date Run: 5/27/2014  
 Lab Ref #: 14-may-n75647

Sample Temp: 70  
 Date Sampled: 5/7/2014  
 Sampled by: Cage Riley  
 Employee #:  
 Analyzed by: GR

*Dissolved Gases*

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H <sub>2</sub> S)	.00	16.00	.00
Carbon Dioxide	(CO <sub>2</sub> )	281.60	22.00	12.80
Dissolved Oxygen	(O <sub>2</sub> )	<b>NOT ANALYZED</b>		

*Cations*

Calcium	(Ca <sup>++</sup> )	266.20	20.10	13.24
Magnesium	(Mg <sup>++</sup> )	37.09	12.20	3.04
Sodium	(Na <sup>+</sup> )	2,327.56	23.00	101.20
Barium	(Ba <sup>++</sup> )	<b>NOT ANALYZED</b>		
Manganese	(Mn <sup>+</sup> )	.11	27.50	.00
Strontium	(Sr <sup>++</sup> )	<b>NOT ANALYZED</b>		

*Anions*

Hydroxyl	(OH <sup>-</sup> )	.00	17.00	.00
Carbonate	(CO <sub>3</sub> <sup>=</sup> )	.00	30.00	.00
BiCarbonate	(HCO <sub>3</sub> <sup>-</sup> )	1,285.54	61.10	21.04
Sulfate	(SO <sub>4</sub> <sup>=</sup> )	1,550.00	48.80	31.76
Chloride	(Cl <sup>-</sup> )	1,845.03	35.50	51.97
Total Iron	(Fe)	1.65	18.60	.09
Total Dissolved Solids		7,594.78		
Total Hardness as CaCO <sub>3</sub>		817.57		
Conductivity MICROMHOS/CM		9,340		

pH 9.000 Specific Gravity 60/60 F. 1.005

CaSO<sub>4</sub> Solubility @ 80 F. 12.66MEq/L, CaSo4 scale is likely

*CaCO<sub>3</sub> Scale Index*

70.0	2.357	100.0	2.707	130.0	3.217
80.0	2.487	110.0	2.947	140.0	3.217
90.0	2.707	120.0	2.947	150.0	3.447

## Attachment E

Certified Notification Letters Sent To:

**1. Surface owner:**

Bureau of Land Management  
620 E. Greene Street  
Carlsbad, NM 88220

**2. Operators within ½ mile radius Area of Review:**

T20S-R24E Section 4: All NM-125139	T20S-R24E Section 3: S/2 & NE/4 NM-58143	T20S-R24E Section 10: E/2 NM-42787
T20S-R24E Section 10: W/2 NM-81893	T20S-R24E Section 9: S/2 & NE/4 NM -39121	T20S-R-24E Section 9: NW/4 NM-1361

EOG Y Resources, Inc.  
104 South 4<sup>th</sup> Street  
Artesia, NM 88210

T20S-R24E  
Section 3: NW/4  
Unleased Federal

Bureau of Land Management  
620 E. Greene Street  
Carlsbad, NM 88220



EOG Resources, Inc.  
 Artesia Division Office  
 104 South 4<sup>th</sup> Street  
 Artesia, N. M. 88210

March 14, 2017

Bureau of Land Management  
 620 E. Greene Street  
 Carlsbad, NM 88220

Re: Mimosa Federal SWD #3Y

To Whom It May Concern:

Please see enclosed copies of form C-108 (Application for Authority to Inject) for said well located in Section 4-T20S-R24E of Eddy County, New Mexico.

If you have any questions or need additional information, please feel free to contact me at (575)748-4180.

Sincerely,

Brice A. Letcher, P.E.  
 Sr. Production Engineer  
 EOG Resources

7034 0510 0001 0744 1519

U.S. Postal Service™	
<b>CERTIFIED MAIL™ RECEIPT</b>	
<i>(Domestic Mail Only; No Insurance Coverage Provided)</i>	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
<b>OFFICIAL USE</b>	
Postage	\$ 1.40
Certified Fee	3.35
Return Receipt Fee (Endorsement Required)	2.75
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.50</b>

ARTESIA, NM 88210  
 MAR 15 2017  
 Postmark Here

Bureau of Land Management  
 620 E. Greene Street  
 Carlsbad, NM 88220

Instructions

# Affidavit of Publication

No. 24203

State of New Mexico

County of Eddy:

**Danny Scott**



being duly sworn say: that she 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 Ad

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/day on the same

day as follows:

First Publication February 21, 2017

Second Publication \_\_\_\_\_

Third Publication \_\_\_\_\_

Fourth Publication \_\_\_\_\_

Fifth Publication \_\_\_\_\_

Sixth Publication \_\_\_\_\_

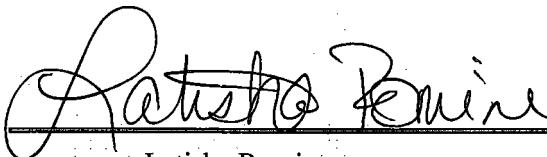
Subscribed and sworn before me this

3rd day of March 2017



OFFICIAL SEAL  
Latisha Romine  
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2019



Latisha Romine

Notary Public, Eddy County, New Mexico

Attachment F

# Copy of Publication:

### Legal Notice

EOG Y Resources, 105 South 4th 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 injection well, the Mimosa Federal SWD #3Y, is located 635' FSL & 330' FEL, Unit P, Section 4, Township 20 South, Range 24 East in Eddy County, New Mexico and will be used for saltwater disposal. Produced waters from the Canyon and Yeso will be re-injected into the Mississippian, Devonian and Ellenbuger sand and dolomite formations at depths of 9,100'-9,142', 10,035'-10,102' and 11,102'-11,106' respectively with a maximum pressure of 2,020 psi and a maximum rate of 15,000 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505-5472, within 15 days. Additional information can be obtained by contacting Brice A. Letcher, P.E. at (575) 748-4180.

Published in the Artesia Daily Press, Artesia, N.M., Feb. 21 2017 Legal No. 24203.

**Attachment G**

**C-108 Application for Authorization to Inject**

EOG Y Resources  
Mimosa Federal SWD #3Y  
Unit P, Section 4-T20S-R24E  
Eddy County, New Mexico

Available engineering and geological data have been examined and no evidence of open faults of hydrologic connection between the disposal zone and any underground sources of drinking water has been found.



\_\_\_\_\_  
Chip Fly  
Geologist  
EOG Y Resources

3/19/2017

Date

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Bureau of Land Management  
620 E. Greene Street  
Carlsbad, NM 88220

9590 9402 1975 6123 0207 96

2. Article Number (Transfer from service label)

7014 0510 0001 0744 1519

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature X 		<input type="checkbox"/> Agent
		<input checked="" type="checkbox"/> Addressee
B. Received by (Printed Name) <i>Carlsbad</i>	C. Date of Delivery <i>3/16/17</i>	
D. Is delivery address different from item 1? <input type="checkbox"/> Yes		
If YES, enter delivery address below: <input type="checkbox"/> No		

3. Service Type
- |  |   |
|--|---|
| <input type="checkbox"/> Adult Signature                         | <input type="checkbox"/> Priority Mail Express®                     |
| <input type="checkbox"/> Adult Signature Restricted Delivery     | <input type="checkbox"/> Registered Mail™                           |
| <input type="checkbox"/> Certified Mail®                         | <input type="checkbox"/> Registered Mail Restricted Delivery        |
| <input type="checkbox"/> Certified Mail Restricted Delivery      | <input type="checkbox"/> Return Receipt for Merchandise             |
| <input type="checkbox"/> Collect on Delivery                     | <input type="checkbox"/> Signature Confirmation™                    |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Restricted Delivery                     |   |



**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87506  
(505) 827-7131

*ADMINISTRATIVE ORDER SWD-645*

***APPLICATION OF YATES PETROLEUM CORPORATION FOR SALT WATER DISPOSAL,  
EDDY COUNTY, NEW MEXICO.***

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), Yates Petroleum Corporation made application to the New Mexico Oil Conservation Division on September 16, 1996 for permission to complete for salt water disposal its Mimosa SWD Well No.3 located 635 feet from the South line and 330 feet from the East line (Unit P) of Section 4, Township 20 South, Range 24 East, NMPM, Eddy County, New Mexico.

**THE DIVISION DIRECTOR FINDS THAT:**

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met; and
- (4) No objections have been received within the waiting period prescribed by said rule.

**IT IS THEREFORE ORDERED THAT:**

The applicant herein, is hereby authorized to complete its Mimosa SWD Well No.3 located 635 feet from the South line and 330 feet from the East line (Unit P) of Section 4, Township 20 South, Range 24 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Devonian and Ellenburger formations at approximately 9700 feet to 11,300 feet through 4 ½-inch plastic-lined tubing set in a packer located at approximately 9700 feet.

**IT IS FURTHER ORDERED THAT:**

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 1940 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Devonian and Ellenburger formations. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

**PROVIDED FURTHER THAT,** jurisdiction of this cause is hereby retained by the Division for the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

The operator shall submit monthly reports of the disposal operations in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

*Administrative Order SWD-645*

*Yates Petroleum Corporation*

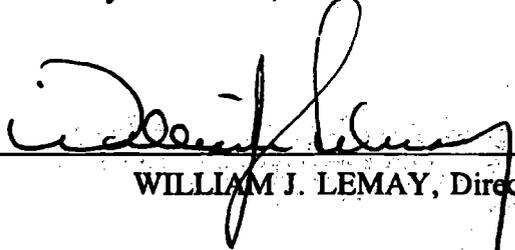
*October 22, 1996*

*Page 3*

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The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 22nd day of October, 1996.

  
\_\_\_\_\_  
WILLIAM J. LEMAY, Director

WJL/BES

xc: Oil Conservation Division - Artesia



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

0151

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  **N.M. Oil Cons. Division**  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESER.   
 Order No. SWD-645  
 811 S. 1st Street  
 Artesia, NM 88210-2834

2. NAME OF OPERATOR  
**YATES PETROLEUM CORPORATION** (505) 748-1471

3. ADDRESS OF OPERATOR  
**105 South 4th St., Artesia, NM 88210**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **635' FSL & 330' FEL (Unit P, SESE)**

At top prod. interval reported below

At total depth

14. PERMIT NO. **API 30-015-29123**

5. LEASE DESIGNATION AND SERIAL NO.

**NM-39635**

6. IF INDIAN, ALIOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Mimosa AHS Federal SWD**

9. WELL NO.

**3Y**

10. FIELD AND POOL, OR WILDCAT

**Und. Miss./Ellenburger/Dev.**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

**Section 4-T20S-R24E**

12. COUNTY OR PARISH  
**Eddy**

13. STATE  
**NM**

15. DATE SPUNDED  
RH 8-3-96  
RT 8-6-96

16. DATE T.D. REACHED  
**9-12-96**

17. DATE COMPL. (Ready to prod.)  
**10-4-96**

18. ELEVATIONS (DF, RKB, RT, OR, ETC.)\*  
**3795' GR**

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD  
**11220'**

21. PLUG. BACK T.D., MD & TVD  
**11163'**

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY  
**80-11220**

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**9100-11102' Mississippian/Ellenburger/Devonian (SWD)**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**BHC; CNL; HALS/MCFL**

27. WAS WELL CORRD  
**No**

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"		80'	26"	Cement to surface	
13-3/8"	54.5#	404'	17-1/2"	970 sx - circulate	
9-5/8"	36#	1163'	12-1/4"	970 sx - circulate	
7"	26# & 23#	11220'	8-3/4"	2670 sx - circulate	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SBT (MD)
4-1/2"	9062'	9062'

31. PERFORATION RECORD (Interval, size and number)

11102-11106' w/6 .42" holes  
 10100-10102' w/6 .42" holes  
 9100-9142' w/24 .42" holes  
 10035-10075' w/160 .42" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED SHEET	

33.\* PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  
**SWD**

WELL STATUS (Producing or shut-in)  
**Producing**

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS—BBL.										

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST COMPLETED BY

35. LIST OF ATTACHMENTS  
**Drill Stem Test, Deviation Survey & Logs**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

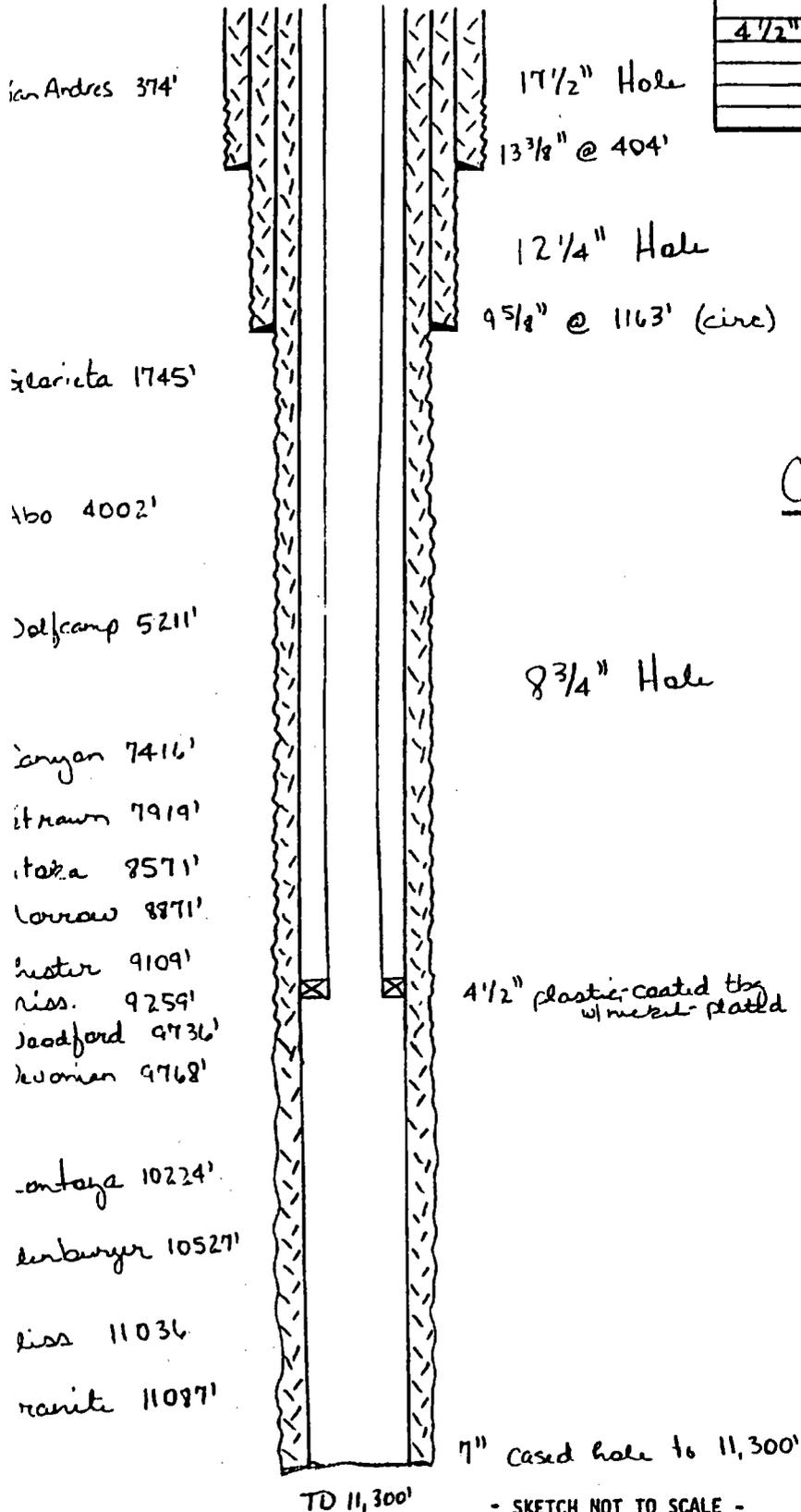
SIGNED Rusty Klein TITLE Operations Technician DATE Oct. 23, 1996

\*(See Instructions and Spaces for Additional Data on Reverse Side)

WELL NAME: Yl. mossa / 2 #3 FIELD AREA: \_\_\_\_\_  
 LOCATION: 635' FSL & 330' FEL P 4-205-2+E  
 GL: 3795' ZERO: \_\_\_\_\_ ' AGL: \_\_\_\_\_ '  
 KB: \_\_\_\_\_ ' ORIG. DRLG./COMPL. DATE: \_\_\_\_\_  
 COMMENTS: \_\_\_\_\_

CASING PROGRAM:

SIZE/WT./GR./CONN.	DEPTH SET
13 1/8" 54 # J-55	404'
9 5/8" 31 # J-55	1163'
7" 26 # S95, N90	11300'
4 1/2" 11.6 # PC Hdg. + per	9700'



Cased Hole Option

4 1/2" plastic-coated tbg w/ metal-plated packer @ 9700'

7" Cased hole to 11,300'

TD 11,300'

- SKETCH NOT TO SCALE -

REVISED: \_\_\_\_\_

Form 3160-5  
(June 1990)

N. M. Oil Cons. Division

511 G. STREET

C/SF

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

RECEIVED  
SEP 17 12 52 PM '96

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

SEP 25 1995

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	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Production casing &amp; cmt</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)\*

TD 11220'. Reached TD at 5:15 AM 9-13-96. Ran 277 joints of 7" 26# & 23# casing as follows: 49 joints of 7" 26# S95 sandblasted & varnished (1962.55'); 61 joints of 7" 26# N-80 sandblasted & varnished (2485.20'); 52 joints of 7" 26# J-55 varnished (2129.92'); 17 joints of 7" 23# J-55 varnished (690.61'); 30 joints of 7" 26# J-55 varnished (1219.39') and 68 joints of 7" 26# L-80 varnished (2731.97') (Total 11219.64') of casing set at 11220'. Float shoe set at 11220'. Float collar set at 11179'. DV tools set at 9300' and 5255'. Cemented in 3 stages as follows: Stage 1: 425 sacks Super C Modified (61-15-11), .6% FL52, .6% FL25, .15% Diacel LWL & 8#/sack gilsonite (yield 1.63, weight 13.0). PD 6:15 PM 9-14-96. Did not bump plug. Circulated 189 sacks. Circulate thru DV tool for 3 hours. Stage 2: 950 sacks (65-35-6) H Lite, .3% FL52, 3#/sack Calseal & 1/4#/sack celloflake (yield 1.98, weight 12.5). Tailed in with 175 sacks Super C, .6% FL52, .6% FL25, .15% LWL & 8#/sack gilsonite (yield 1.63, weight 13.0). PD 12:15 AM 9-15-96. Bumped plug to 3100 psi for 1 minute. Circulated 108 sacks. Circulated thru DV tool for 4-1/4 hours. Stage 3: 1020 sacks "C" Lite, 3#/sack Calseal, .3% FL52, 5#/sack salt and & 1/4#/sack celloflake (yield 2.08, weight 12.5). Tailed in with 100 sacks Class H Neat (yield 1.18, weight 15.6). PD 7:00 AM 9-15-96. Bumped plug to 2800 psi for 1 minute, OK. Circulated 291 sacks. WOC. Released rig at 11:00 AM 9-15-96. Marker joint at 9699', 8843' and 7484'. Landing joint at 39.80'.

Waiting on completion unit.

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

Signed Kurtis P. Allen Title Operations Technician Date Sept. 16, 1996

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any: **(ORIG. SGD.) DAVID R. GLASS**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				San Andres	390'	
				Glorieta	1767'	
				Abo	4046'	
				Wolfcamp	5272'	
				Canyon	7404'	
				Strawn	8038'	
				Atoka	8604'	
				Morrow	8913'	
				Chester	9143'	
				Mississippian	9290'	
				Woodford	9762'	
				Devonian	9784'	
				Montoya	10247'	
				Ellenburger	10555'	
				Granite	11119'	

## Goetze, Phillip, EMNRD

---

**From:** Goetze, Phillip, EMNRD  
**Sent:** Friday, January 13, 2017 3:06 PM  
**To:** 'Brice Letcher'  
**Cc:** Jones, William V, EMNRD; McMillan, Michael, EMNRD; Lowe, Leonard, EMNRD  
**Subject:** RE: Mimosa Federal SWD #3Y (API 30-015-29123)

RE: Mimosa Federal SWD #3Y (API 30-015-29123; SWD-408)

Bruce:

Sorry for the delay in response. I did review this case with Richard and concurred with his findings. As far as the circumstances that created this result, there is no record (I would note that the two Division individual with authorization at the time of the order's issuance (Director LeMay) was adamant about personal oversight and approvals). The best way to resolve this would be to prepare a C-108 application using the previous information for SWD-408. Use this information to complete a new C-108 to amend the existing order to cover the injection interval with the Mississippian perforations. The parts of the C-108 that have not changed can be either referenced as previously submitted or noted in the new application as no change. The two items with possible significant changes for the new application will be the notification (mailings and paper publication) and assessing any new AOR wells that penetrate the same Mississippian interval. Additionally, I would suggest reviewing the C-108 for portions that have changes through operation of the well. The original application noted that the single source for disposal was Dagger Draw Penn wells. I assume that this is not the current disposal profile and this is the opportunity to include additional sources (along with chemistry). Also provide an affirmation statement (Item XII on the C-108) from an individual (engineer/geologist/environmental scientist). Using a corporation at the entity for the affirmative statement is not accepted.

Which leads to another consideration and request. The Division has been avoiding injection into the Ellenberger due to the high probability of migration of the injection pressure to the pre-Cambrian resulting in seismic events at a later date. Would EOG Y be willing to voluntarily abandon the Ellenberger perfs at this time and offsetting with increase in the perforated zone in the Devonian or possibly Fusselman? Please present this request to your management for discussion. Meanwhile, the Division will look your application. Please call/e-mail with any questions about this matter. PRG

Phillip Goetze, PG

Engineering Bureau, Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
1220 South St. Francis Drive, Santa Fe, NM 87505  
Direct: 505.476.3466  
E-mail: [phillip.goetze@state.nm.us](mailto:phillip.goetze@state.nm.us)



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**From:** Brice Letcher [mailto:[Brice\\_Letcher@eogresources.com](mailto:Brice_Letcher@eogresources.com)]  
**Sent:** Wednesday, January 4, 2017 5:12 PM  
**To:** Goetze, Phillip, EMNRD <[Phillip.Goetze@state.nm.us](mailto:Phillip.Goetze@state.nm.us)>

**Subject:** Mimosa Federal SWD #3Y (API 30-015-29123)

**Importance:** High

Hey Phillip,

We received the attached Letter of Violation for our Mimosa Federal SWD #3Y (API 30-015-29123). We shut the well in yesterday afternoon as soon as we were notified of the letter and it will remain shut in until this matter is resolved. I spoke with Richard Inge this morning about the letter and he indicated that I needed to work with you to resolve this issue. The letter came as a bit of a shock since this well has been in disposal service since 1996, but after reviewing the well file I can see that Richard's findings appear to be accurate:

- The C-108 for this well (submitted 9/11/96) requested approval for an injection interval from 9,700'-11,300'.
- Administrative Order SWD-645 (approved 10/22/96) authorized the completion and permitted injection from 9,700'-11,300'.
- Well was completed with the following intervals (see attached completion report):
  - 9,100'-9,142' (Mississippian)
  - 10,035'-10,075' & 10,100'-10,102' (Devonian)
  - 11,102'-11,106' (Ellenburger)

However, since the Administrative Order SWD-645 was approved after the well was completed I am led to believe that we likely received verbal approval to proceed as we did. To me it looks like the plan for completing this well was evolving while operations were underway, which would support the conclusion that we were likely in close contact with BLM and NMOCD during the operation. Unfortunately, I do not see any notes in our files indicating such verbal approval was received for the inclusion of the Mississippian perfs in the injection interval. The subsequent Sundry Notices and Completion Report that were accepted did, however, show the inclusion of the Mississippian perfs.

So I guess the main question here is how should we proceed to resolve this matter? Do we need to submit something requesting that the AO SWD-645 be amended to include the Mississippian perfs?

Please let me know your thoughts and feel free to call to discuss in more detail.

Thanks,

***Brice A. Letcher, P.E.***

Sr. Production Engineer  
EOG Resources – Artesia Division  
105 South 4th Street  
Artesia, NM 88210

[Brice.Letcher@eogresources.com](mailto:Brice.Letcher@eogresources.com)

Office: (575) 748-4180

Mobile: (575) 748-5021



*"When you think energy  
think EOG."*

## McMillan, Michael, EMNRD

---

**From:** John Humphrey <John\_Humphrey@eogresources.com>  
**Sent:** Thursday, April 6, 2017 6:02 PM  
**To:** Brice Letcher  
**Cc:** McMillan, Michael, EMNRD; Dan Shea  
**Subject:** Re: Mimosa Federal SWD #3Y

Works for me

John

Sent from my iPhone

On Apr 6, 2017, at 4:44 PM, Brice Letcher <[Brice\\_Letcher@eogresources.com](mailto:Brice_Letcher@eogresources.com)> wrote:

John and Dan,

Will 2pm next Monday work for you guys?

Thanks,

***Brice A. Letcher, P.E.***

Sr. Production Engineer

EOG Resources - Midland

[Brice\\_Letcher@eogresources.com](mailto:Brice_Letcher@eogresources.com)

Office: (432) 686-6965

Mobile: (575) 748-5021

<image002.jpg>

*"When you think energy  
think EOG."*

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**From:** McMillan, Michael, EMNRD [<mailto:Michael.McMillan@state.nm.us>]

**Sent:** Thursday, April 06, 2017 5:11 PM

**To:** Brice Letcher <[Brice\\_Letcher@eogresources.com](mailto:Brice_Letcher@eogresources.com)>; Dan Shea <[Daniel\\_Shea@eogresources.com](mailto:Daniel_Shea@eogresources.com)>;

John Humphrey <[John\\_Humphrey@eogresources.com](mailto:John_Humphrey@eogresources.com)>

**Subject:** RE: Mimosa Federal SWD #3Y

**\*\*External email. Use caution.\*\***

Can we change the meeting until 2:00PM on Monday? I did not know that there was a previously scheduled meeting for 10:00AM?

Thanks

Mike

-----Original Appointment-----

**From:** Brice Letcher [[mailto:Brice\\_Letcher@eogresources.com](mailto:Brice_Letcher@eogresources.com)]

**Sent:** Tuesday, April 4, 2017 12:03 PM

**To:** McMillan, Michael, EMNRD; Dan Shea; John Humphrey

**Subject:** Mimosa Federal SWD #3Y

**When:** Monday, April 10, 2017 11:30 AM-12:30 PM (UTC-06:00) Central Time (US & Canada).

**Where:**

Conference call to discuss the Mimosa Federal SWD #3Y at 10am MST on 4/10/17.

Call-in info:

Phone: +1 (713) 651-7100

Access code: 70118043

Thanks,

***Brice A. Letcher, P.E.***

Sr. Production Engineer

EOG Resources - Midland

[Brice.Letcher@eogresources.com](mailto:Brice.Letcher@eogresources.com)

Mobile: (575) 748-5021

<image003.jpg>

*"When you think energy  
think EOG."*

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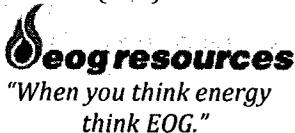
**From:** Brice Letcher [[mailto:Brice\\_Letcher@eogresources.com](mailto:Brice_Letcher@eogresources.com)]  
**Sent:** Tuesday, April 11, 2017 6:56 AM  
**To:** McMillan, Michael, EMNRD <[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)>  
**Cc:** John Humphrey <[John\\_Humphrey@eogresources.com](mailto:John_Humphrey@eogresources.com)>  
**Subject:** RE: EOG Resources Mimosa SWD Well No. 3Y

Mike,

I think we would like to have our injection interval from 9,100'-10,500'. There is good porosity in the Montoya down to about 10,530'. What do you think about us setting CIBP at 11,050' (within 50' of top Ellenberger perf) and spotting a 520' (≈130 sx) class "H" cement plug from 11,050'-10,530'? Please let me know what you think.

Thanks,

**Brice A. Letcher, P.E.**  
Sr. Production Engineer  
EOG Resources - Midland  
[Brice\\_Letcher@eogresources.com](mailto:Brice_Letcher@eogresources.com)  
Office: (432) 686-6965  
Mobile: (575) 748-5021



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**From:** McMillan, Michael, EMNRD [<mailto:Michael.McMillan@state.nm.us>]  
**Sent:** Monday, April 10, 2017 5:03 PM  
**To:** Brice Letcher <[Brice\\_Letcher@eogresources.com](mailto:Brice_Letcher@eogresources.com)>  
**Cc:** John Humphrey <[John\\_Humphrey@eogresources.com](mailto:John_Humphrey@eogresources.com)>  
**Subject:** EOG Resources Mimosa SWD Well No. 3Y

**\*\*External email. Use caution.\*\***

Brice and John:

Here is my recommendation for the injection interval for the EOG Resources Mimosa SWD Well No. 3Y, API 30-015-29123.

Top	Bottom
9100'	10350'

Set a plug at 10360'

I looked at your notice and it is fine-no changes needed

Look at my recommendations, and e-mail me back with your proposal

Mike

**MICHAEL A. MCMILLAN**  
Engineering Bureau, Oil Conservation Division  
1220 south St. Francis Dr., Santa Fe NM 87505  
O: 505.476.3448  
[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)

## McMillan, Michael, EMNRD

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**From:** McMillan, Michael, EMNRD  
**Sent:** Wednesday, April 12, 2017 11:09 AM  
**To:** 'Brice Letcher'  
**Cc:** John Humphrey; Jones, William V, EMNRD; Lowe, Leonard, EMNRD  
**Subject:** RE: EOG Resources Mimosa SWD Well No. 3Y

John and Brice:

After talking to Will and Phil your proposed injection interval is acceptable to the OCD with the following condition: can you provide a cross-section that shows the Siluro-Devonian, Montoya, Ellenburger, and basement. Also show where you think the confining layers would be for the base of Montoya/Ellenburger injection interval.

Thanks  
Mike

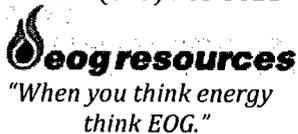
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**From:** Brice Letcher [mailto:Brice\_Letcher@eogresources.com]  
**Sent:** Tuesday, April 11, 2017 8:08 AM  
**To:** McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>  
**Cc:** John Humphrey <John\_Humphrey@eogresources.com>  
**Subject:** RE: EOG Resources Mimosa SWD Well No. 3Y

That will work, thank you. Attached is a copy of the BLM return receipt.

Thanks,

**Brice A. Letcher, P.E.**  
Sr. Production Engineer  
EOG Resources – Midland  
[Brice.Letcher@eogresources.com](mailto:Brice.Letcher@eogresources.com)  
Office: (432) 686-6965  
Mobile: (575) 748-5021



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**From:** McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]  
**Sent:** Tuesday, April 11, 2017 8:56 AM  
**To:** Brice Letcher <[Brice\\_Letcher@eogresources.com](mailto:Brice_Letcher@eogresources.com)>  
**Cc:** John Humphrey <[John\\_Humphrey@eogresources.com](mailto:John_Humphrey@eogresources.com)>  
**Subject:** RE: EOG Resources Mimosa SWD Well No. 3Y

\*\*External email. Use caution.\*\*

Brice and John:

We will look at your recommendation and get back with you. I have hearing in a couple of days, so it could be late Thursday before the OCD gives you an answer.

On another topic, could you e-mail me the BLM return receipt?

Thanks  
Mike