

ABOVE THIS LINE FOR DIVISION USE ONLY

**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 \_\_\_\_\_ Surface Commingling\_\_\_\_\_
- [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

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2008 JUN 13 PM 3 19

[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.**

Norvella Adams		Sr. Staff Engineering Technician	6/10/08
Print or Type Name	Signature	Title	Date
		Norvella.adams@divn.com	
		e-mail Address	



Devon Energy Corporation  
20 North Broadway  
Oklahoma City, OK 73102-8260

405 235 3611 Phone  
www.devonenergy.com

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June 11, 2008

New Mexico Oil Conservation Division  
1220 S St. Francis Drive  
Santa Fe, New Mexico 87505

Attn: William Jones

Re: Application for Authorization to Inject (Form C108)  
Federal T # 1  
Sections 12, Township 18 South, Range 27 East  
Eddy County, New Mexico

Mr. Jones:

Devon Energy Production Company, LP, as Operator of the referenced well, respectfully submits the attached Application for Authorization to Inject (Form C108). Devon proposes to take produced water and re-inject it back into the Lower Wolfcamp and Cisco formations for waterflood purposes utilizing the Federal T # 1 well.

A copy of this application has been sent to the New Mexico Oil Conservation Division, Artesia, NM office. As referenced by the attached letters, the surface owner and leasehold operators within a ½ mile radius of these wells have been notified by certified mail regarding this application. A notice of intent has also been filed with the Bureau of Land Management in Carlsbad, New Mexico.

Please contact me at 405-552-8198 should you have any questions.

Sincerely,

Devon Energy Production Company, LP

Norvella Adams  
Senior Staff Engineering Technician

Enclosure

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: \_\_\_\_\_ Secondary Recovery    \_\_\_ Pressure Maintenance     X  Disposal    \_\_\_\_\_ Storage  
Application qualifies for administrative approval?     X  Yes    \_\_\_\_\_ No
- II. OPERATOR:  Devon Energy Production Company, LP   
ADDRESS:  20 North Broadway, Oklahoma City, Oklahoma 73102   
CONTACT PARTY:  Norvella Adams  PHONE:  405-552-8198
- 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     X  No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME:  Norvella Adams  TITLE:  Senior Staff Engineering Technician

SIGNATURE:  DATE:  6/10/08

E-MAIL ADDRESS:  norvella.adams@dvn.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.

### 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, 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.

INJECTION WELL DATA SHEET

OPERATOR: Devon Energy Production Company, L.P.

WELL NAME & NUMBER: Federal T # 1

WELL LOCATION: 660' FNL & 990' FEL A Sec 12 T18S R27E  
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA  
Surface Casing

Hole Size: 17 1/2" Casing Size: 13-3/8" @ 400'

Cemented with: 425 sx. or ft<sup>3</sup>

Top of Cement: Surface Method Determined: Circ. cement

Intermediate Casing

Hole Size: 12 1/4" Casing Size: 8 5/8" @ 2604'

Cemented with: 1025 900 sx. or ft<sup>3</sup>

Top of Cement: Surface Method Determined: Circ. cement

Production Casing

Hole Size: 5 1/2" Casing Size: 7" @ 9450'

Cemented with: 1350 450 sx. or ft<sup>3</sup>

Top of Cement: 4342 Method Determined: Circ. cement

Total Depth: Surface

Injection Interval (Perforated)

7,400' feet to 8,200'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 3 1/2", 9.3#, N80 run to +/- 6,810' Lining Material: \_\_\_\_\_

Type of Packer: 5 1/2" IPC \_\_\_\_\_

Packer Setting Depth: 6,800' \_\_\_\_\_

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

Additional Data

1. Is this a new well drilled for injection? \_\_\_\_\_ Yes \_\_\_\_\_ X \_\_\_\_\_ No

If no, for what purpose was the well originally drilled? \_\_\_\_\_ Producing Gas Well \_\_\_\_\_

\_\_\_\_\_

2. Name of the Injection Formation: L. Wolfcamp and Cisco \_\_\_\_\_

3. Name of Field or Pool (if applicable): North Illinois Camp Morrow

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

Morrow from 10,008' to 10,054' (perfs under CIBP at 9,950' with another CIBP @ 9,040' with 35' cement on top)  
Cisco from 7,760' to 8,060' (perfs squeezed with 100 sx cement and under cement retainer at 7,745', 7,780', 7,820', 8,000')

Cisco from 7,685' - 7,695' (perfs under CIBP at 7,595' with 35' cement on top')

Wolfcamp from 7,330' - 7,360' (perfs under CIBP at 7,300' with 35' cement on top)

Wolfcamp from 7,092' - 7,146' (perfs under CIBP at 7,078')

Wolfcamp from 6,868' - 7,038' (perfs under CIBP at 6,800')

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Morrow at 9,600' -10,250'

Atoka at 9,230' - 9,700'

Upper Wolfcamp 6,400' -7,200'

Abo at 5,600' -6,200'

Yeso at 3,300' -3,900'

San Andres at 2,000' -2,800'

Queen at 1,450' -1,650'

**Devon Energy Production Company, LP**

Well Name: FEDERAL T #1		Field: NORTH ILLINOIS CAMP MORROW	
Location: 660' FNL & 990' FEL; SEC 12-T18S-R27E		County: EDDY	State: NM
Elevation: 3634' KB; 3618' GL		Spud Date: 6/28/90	Compl Date: 9/13/90
API#: 30-015-26404	Prepared by: Ronnie Slack	Date: 2/1/08	Rev:

17-1/2" Hole  
13-3/8", 68#, LTC, @ 472'  
 Cmt'd w/450 Sx. Circ to surface

12-1/4" Hole  
8-5/8", J55, 32#, STC, @ 2,589'  
 Cmt'd w/900 Sx. Circ to surface

WOLFCAMP (8/21/93)  
 6,868' - 7,038'

CIBP @ 6,800' (9/28/93)

WOLFCAMP (8/18/93)  
 7,092' - 7,097'; 7,120' - 7,146'

CIBP @ 7,078' (8/21/93)

WOLFCAMP (8/16/93)  
 7,330' - 7,340'; 7,350' - 7,360'

35' cement. 7,265' PBD  
 CIBP @ 7,300' (8/18/93)

CISCO (8/1/93)  
 7,685' - 7,695'

35' cement. 7,560' PBD  
 CIBP @ 7,595' (8/16/93)

CISCO (7/30/93)  
 7,760' - 7,768' Sqzd w/100 sx (7/31/93)

Cement retainer @ 7745' (7/31/93)

CISCO (7/28/93)  
 7,790' - 7,798' Sqzd w/100 sx (7/29/93)

Cement retainer @ 7780' (7/29/93)

CISCO (7/25/93)  
 7,932' - 7,940' Sqzd w/100 sx (7/27/93)

Cement retainer @ 7820' (7/27/93)

CISCO (7/22/93)  
 8,034' - 8,042' Sqzd w/100 sx (6/24/93)  
 8,055' - 8,060'

Cement retainer @ 8000' (7/24/93)

35' cement. 9,005' PBD  
 CIBP @ 9,040' (7/21/93)

**4" Liner top @ 9,055'**

7-7/8" Hole  
5-1/2", N80, 17#, LTC, @ 9,473'  
 Cmt'd w/430 Sx

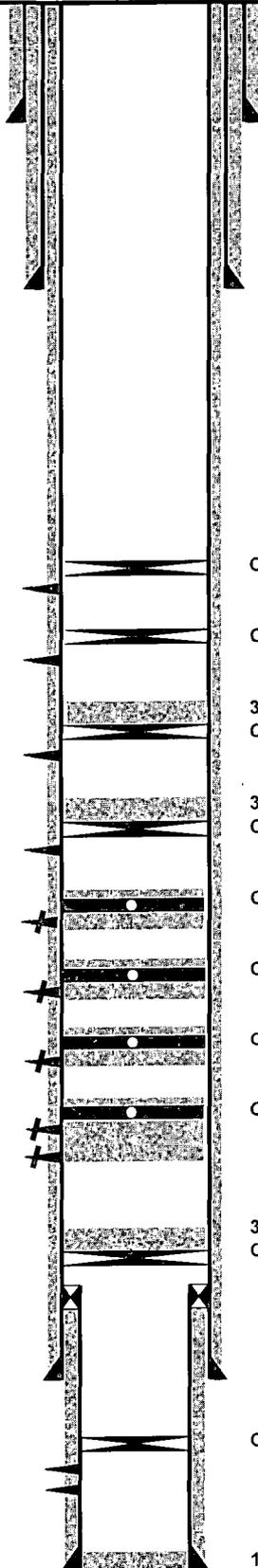
CIBP @ 9,950' (7/19/93)

MORROW (9/14/90)  
 10,008' - 10,014'  
 10,038' - 10,054'

4-3/4" Hole  
**4" 10.46#, L80 Liner @ 9,055' - 10,141'**  
 Cmt'd w/80 Sx

10,100' PBD

10,141' TD



FEDERAL T # 1  
APPLICATION FOR INJECTION  
Form C-108 Section III

III. Well Data--On Injection Well

A. Injection Well Information

- (1) **Lease** Federal T  
**Well No** #1  
**Location** 660' FNL & 990' FEL  
**Sec, Twn, Rnge** Sec 12, T18S-R27E, Unit Letter A  
**Cnty, State** Eddy County, New Mexico
- (2) **Casing** 13-3/8", 68#, LTC @ 472' in 17-1/2" hole. Cmt'd w/ 450 sx.  
TOC @ surface. Cement circulated.  
8-5/8", 32#, J-55 @ 2,589'. Cmt'd w/ 900 sx.  
TOC @ surface. Cement circulated.  
5-1/2", 17#, N-80 @ 9,473'. Cmt'd w/ 430 sx.  
4", 10.46#, L-80 Liner @ 9,055'-10,141'. Cmt'd w/ 80 sx.
- (3) **Injection Tubing** 3-1/2", 9.3#, N80 coated tubing run to +/- 6,810'.
- (4) **Packer** 5-1/2" IPC Packer set at +/- 6,800'

B. Other Well Information

- (1) **Injection Formation:** Lower Wolfcamp and Cisco  
**Field Name:** Diamond Tail
- (2) **Injection Interval:** 7,400' - 8,200' (Wolfcamp completion in this well was not successful)
- (3) **Original Purpose of Wellbore:** 7,400' to 8,200' (cased hole, perforated)

The Federal T #1 was spud June 28, 1990 and completed as a producer in the North Illinois Camp Morrow zones from 11,008' to 10,054'. Total cumulative production is 137,315 BO, 2,614 BW, and 41,403 MCF. Production declined and it is currently shut in.

(4) **Other perforated intervals:**

Only perforated zones are:  
Wolfcamp from 6,868'-7,038'; 7,092'-7,097'; 7,120'-7,146'; 7,330'-7,340'; 7,350'-7,360'  
Cisco from 7,658'-7,695'; 7,760'-7,768'; 7,790'-7,798'; 7,932'-7,940'; 8,034'-8,042'; 8,055'-8,060'

(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.**

The top of the Atoka zone is noted at 9,230'-9,700' MD. The depths listed below represent the variation in production depths over a fairly large (3+ mile radius) area with a notable dip. The next lower oil zone top is the Abo at 5,600'. The Federal T # 1 was productive in the North Illinois Camp Morrow from 10,008' to 10,10,054'. The next lower productive oil zone is in the Yeso from 3,300' to 3,900" which is being produced in the Federal T # 1 well.

Morrow 9,600'-10,250'  
Atoka 9,230'-9,700'  
Upper Wolfcamp 6,400'-7,200'  
Abo 5,600'-6,200'  
Yeso 3,300'-3,900'  
San Andres 2,000'-2,800'  
Queen 1,450'-1,650'

**FEDERAL T # 1**  
**APPLICATION FOR INJECTION**  
**Form C-108 Section VII to XII**

**VII Attach data on the proposed operation, including:**

- (1) Proposed average injection rate: 9,200 BWPD  
Proposed maximum injection rate: 10,500 BWPD
- (2) The system will be a closed system.
- (3) Proposed average injection pressure: 700 psi  
Proposed max injection pressure: 1500 psi
- (4) The proposed injection fluid is produced water from the San Andres and Yeso that will be re-injected into the L. Wolfcamp and Cisco zones. Attached is a water analysis of San Andres and Yeso produced water from the West Red Lake Station # 1 Salt Water Disposal system. No water compatability issues are anticipated.
- (5) Disposal zone Canyon formation water is submitted from a nearby well, the State G #1. well.

**VIII Geologic Injection Zone Data**

The proposed injection zone is the the Lower Wolfcamp and Cisco formations at a depth of 7,400' to 8,200'. The L. Wolfcamp and Cisco are porous carbonate. The proposed injection interval is 800' thick. The average depth of water report notes aquifers at an average depth of 90'. Surface casing is set at 472' and cemented to surface in the Federal T #1.

**IX Proposed Stimulation**

Depending on injection rates and pressures, the proposed injection zone could be stimulated as follows:  
Lower Cisco (7893'-8060') - 4,000 gallons 15% HCl + 77,500 gallons x-linked fluid with 110,000 lbs 20/40 White Sand + 4,400 gallons linear gel flush. Injection rate 40 BPM

Upper Cisco - 7685'-7840' - 4,000 gallons 15% HCl + 70,500 gallons x-linked fluid with 99,250 lbs 20/40 White Sand + 4,200 gallons linear gel flush. Injection rate 40 BPM

Lower Wolfcamp will not be stimulated.

**X Log Data**

Well logs have previously been submitted to the OCD.

**XI Fresh Water Analysis**

No fresh water wells were indicated within one mile of proposed injection well per New Mexico office of the State Engineer web site.

*WINDMILLS / OTHER wells?*

**XII Geologic / Engineering Statement**

An examination of this area has determined there are no open faults or other hydrologic connection between the disposal zone and any underground drinking water.

**XIII Proof of Notice**

Proof of notice to surface owner, leasehold operator, and public legal notification is attached



BJ Services

# WATER ANALYSIS

Atesia Laboratory

(505) 746-3140

Operator:  
 Well: West Red Lake Station #1  
 Formation:  
 Field:  
 County:  
 Depth:

Date: 5/29/2008  
 District: Artesia  
 Requested: Merle Lewis  
 Technician: Terry Croft  
 Source: A M  
 PFS Test #:  
 M:Water Analysis\ Customer: Devon Energy

PH 1.135 Temp (F): 78  
 Specific Gravity: 7.08 H2S:

### CATIONS

	mg/l	me/l	ppm
Sodium (calc.)	281873	12260.7	39813
Calcium	4010	200.1	566
Magnesium	< .5	24.0	---
Barium	< 25	---	---
Potassium	< 10	---	---
Iron	0	0.0	0

### ANIONS

Chloride	440000	12411.8	62147
Sulfate	1600	33.3	226
Carbonate	0	0.0	0
Bicarbonate	952	15.6	134

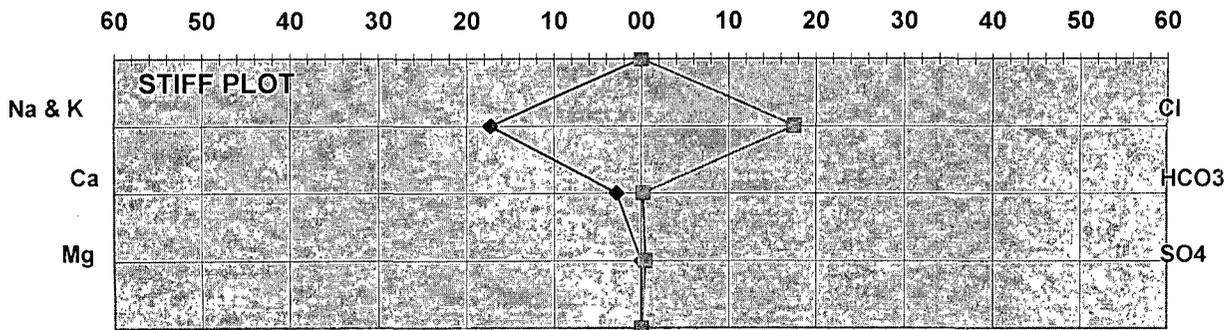
Total Dissolved Solids(calc.) *Top ASH* 728434 102886

Total Hardness as CaCO3 10014 200.1 1414

### COMMENTS:

### SCALE ANALYSIS:

CaCO3 Factor 3815916 Calcium Carbonate Scale Probability Probable  
 CaSO4 Factor 6416000 Calcium Sulfate Scale Probability: Possible





# Water Analysis

Date: 2/24/2005

2401 Sivley, Artesia NM 88210  
 Phone (505) 746-3140 Fax (505) 746-2293

### Analyzed For

Company	Well Name	County	State
Westall	State G#1	Eddy	New Mexico

**Sample Source** **Sample #** 1

Formation	Canyon	Depth	
Specific Gravity	1.050	SG @ 60 °F	1.051
pH	6.30	Sulfides	Not Tested
Temperature (°F)	65	Reducing Agents	Not Tested

### Cations

Sodium (Calc)	in Mg/L	9,518	in PPM	9,056
Calcium	in Mg/L	5,600	in PPM	5,328
Magnesium	in Mg/L	240	in PPM	228
Soluable Iron (FE2)	in Mg/L	300.0	in PPM	285

### Anions

Chlorides	in Mg/L	24,000	in PPM	22,835
Sulfates	in Mg/L	2,000	in PPM	1,903
Bicarbonates	in Mg/L	165	in PPM	176
Total Hardness (as CaCO3)	in Mg/L	15,000	in PPM	14,272
Total Dissolved Solids (Calc)	in Mg/L	41,844	in PPM	39,813
Equivalent NaCl Concentration	in Mg/L	38,410	in PPM	36,546

### Scaling Tendencies

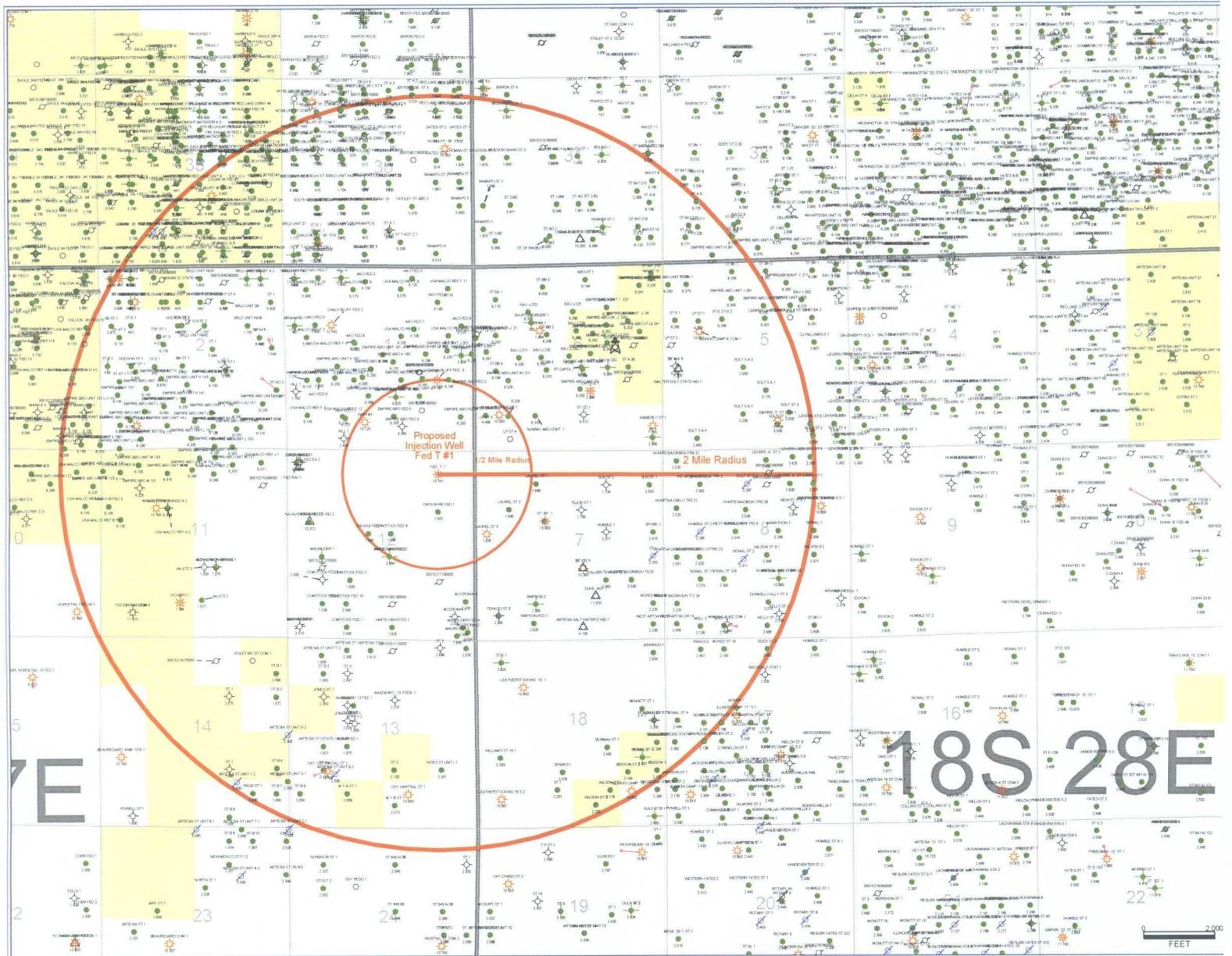
*Calcium Carbonate Index	1,038,464
<i>Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable</i>	
*Calcium Sulfate (Gyp) Index	11,200,000
<i>Below 500,000 Remote / 500,000 - 10,000,00 Possible / Above 10,000,000 Probable</i>	

*\*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.*

**Remarks** FAX 677-2361

Report # 1732

INT DISPOSAL ZONE  
VII. 5



C108 ITEM VI--Well Tabulation in Review Area																	
Devon Energy Production Company, LP																	
Proposed Disposal Well: Federal T # 1																	
Operator	Well Name	API NO	County	Footage	Sec Twn	Rnge	Type	Status	Spud Date	Comp Date	TD	PBTD	Comp Zone	Comp Interval-Ft	Casing Program	Cement / TOC	
Bill L. Miller	Chukka Federal #1	30-015-25270	Eddy	2310' FNL 2310' FWL	12	18S	27E	Oil	Active	04/23/85	05/04/85	1600'	1575'	Artesia Q-GB_SA	1508'-1520'	8-5/8" .24# @ 362' 5-1/2" .15.5# & 17# @ 1600'	300' sx / Surf 350' sx / Surf
Harlow Enterprises LLC	Comstock Federal 9	30-015-25738	Eddy	2310' FNL 2310' FWL	12	18S	27E	Oil	Active	04/25/87	06/02/87	1586'	1520'	Artesia Q-GB_SA	1510'-1520'	8-5/8" .24# @ 300' 4-1/2" .9.5# @ 1,586'	300' sx / Surf 400' sx / Surf
Bill L. Miller	Laurel Slate 3	30-015-31319	Eddy	2310' FNL 330' FWL	7	18S	28E	Oil	Active	10/02/00	01/31/01	1630'	1610'	Artesia Q-GB_SA	1552'-1630'	8-5/8" .24# @ 469' 5-1/2" .17# @ 1,552'	300' sx / Surf 290' sx / Surf
Bill L. Miller	Laurel Slate 2	30-015-25675	Eddy	940' FNL 1757' FWL	7	18S	28E	Oil	Active	10/28/88	11/10/88	1690'	1650'	Artesia Q-GB_SA	1589'-1616'	7" .24# @ 402' 4-1/2" .9.5# @ 1,690'	200' sx / Surf 280' sx / Surf
Harlow Enterprises LLC	Comstock Federal 6 (was named Crossfire Federal 1)	30-015-25099	Eddy	1809' FNL 990' FEL	12	18S	27E	Oil	Active	08/18/85	09/11/85	1652'	1620'	Artesia Q-GB_SA	1517'-1526'	8-5/8" .24# @ 380' 4-1/2" .9.5# @ 1,645'	300' sx / Surf 720' sx / Surf
Mewbourne Oil Co	Chalk Bluff 6 State 1	30-015-26943	Eddy	730' FNL 990' FSL	6	18S	28E	Gas	Active	02/17/92	04/16/92	10,200'	10,151'	North Illinois Camp Morrow	10,084'-10,092'	13-3/8" .48# & 68# @ 400' 9-5/8" .24# @ 2,600' 26# @ 9,445' 1/2" Liner @ 10,198'	500' sx / Surf 1100' sx / Surf 1895' sx circ 1st string 175' sx
BP America Production Company	Empire Abo Unit L (was named Empire Federal 4)	30-015-00699	Eddy	940' FSL 330' FEL	1	18S	27E	Oil	Active	11/16/61	12/14/61	6239'		Empire Abo	6218'-6226'	8-5/8" .24# @ 1481' 1/2" .11.6# @ 6,239'	4820' sx / Surf 956' sx / Surf
BP America Production Company	Empire Abo Unit 191A	30-01521873	Eddy	1526' FSL 1470' FEL	1	18S	27E	Oil	P&A'd	08/27/76	09/22/76	6350'	6798'	Empire Abo	5984'-6172'	8-5/8" .24# @ 1000' 1/2" .14# & 15.5# @ 6,350'	5400' sx / Surf 1350' sx / Surf
Navajo Refining Company	WDW 3	30-015-26575	Eddy	7650' FSL 2250' FWL	1	18S	27E	Oil	Active	12/22/90	01/29/91	10,119'	9,022'	Cisco/Canyon	7660'-8620'	13-3/8" .54.5 @ 400' 9-5/8" .36# @ 2,604' 29# & 26# @ 9,450' 4-1/2" Liner @ 10,119'	9425' sx / Surf 1025' sx / Surf 1350' sx / Surf sx / TOL @ 9,051'
BP America Production Company	Empire Abo Unit 194	30-015-22658	Eddy	1500' FSL 2130' FEL	1	18S	27E	Oil	Active	10/18/78	11/14/78	6,325'	6178'	Empire Abo	6007'-6160'	8-5/8" .24# @ 998' 1/2" .15.5# @ 6,325'	740' sx / Surf 1171' sx / Surf
Marbob Energy Corporation	LP State 3	30-015-31087	Eddy	980' FSL 330' FWL	6	18S	28E	Oil	Active	06/19/00	07/15/00	4466'	1460'	Empire, Yates- Seven Rivers	661'-697', 1510'-1524'	8-5/8" .24# @ 568' 1/2" .17# @ 4,006'	5400' sx / Surf 775' sx / Surf
Petroc Oil Corp	Slate M-A1 2	30-015-02627	Eddy	949' FSL 990' FWL	6	18S	28E	Oil	Active	10/04/60	10/21/60	6225'	6197'	Empire Abo	6188'-6192', 6158'-6164'	9-5/8" .36# @ 1004' 1/2" .17, 20, & 23# from 0-6,225'	5450' sx / Surf 550' sx / Surf
Arco Permian	Empire ABO Unit 191 (was named Empire Abo Federal 3)	30-015-00698	Eddy	660' FSL 1980' FEL	1	18S	27E	Oil	P&A'd	08/27/76	09/22/76	6350'	P&A'd	San Andres-Yeso	5984'-6172' (plugged)	8-5/8" .24# @ 1000' 1/2" .14# & 15.5# @ 6,350'	5 P&A'd 12/08/89 - P&A'd 5400', 435 sx cement
Arco Permian	Empire ABO Unit 19 (was named Empire Abo Federal 5)	30-015-20394	Eddy	953' FSL 2197' FEL	1	18S	27E	Oil	P&A'd	03/16/71	04/09/71	6300'	P&A'd	Empire Abo	6206'-6216' (plugged)	8-5/8" .24# @ 1531' 1/2" .9.5# @ 6,300'	4 P&A'd 12/30/91: 0-6716', 235 sx cement

**Form C-108 Section XIV**  
**Proof of Notice to Surface Land Owner**

Application For Injection in Federal T #1  
Devon Energy Production Company, LP

**Surface Land Owner**

Bureau of Land Management  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, NM 88220

Certified receipt No.  
**7007 0710 0001 9808 8684**

A copy of this application has been mailed to the above surface land owner by certified mail, pertaining to Devon Energy's application for salt water disposal in the Federal T #1.

Date Mailed: 6/11/2008

Signature: 

Date: 6/11/2008

Norvella Adams, Sr. Staff Engineering Technician  
Devon Energy Production Co., L.P.  
20 N. Broadway, Suite 1500  
Oklahoma City, OK 73102



June 11, 2008

Bureau of Land Management  
620 East Greene Street  
Carlsbad, New Mexico 8820

Surface Land Owner

Re: Application for Authorization to Inject (Form C108)  
Federal T #1  
Sections 12, Township 18 South, Range 27 East  
Eddy County, New Mexico

Bureau of Land Management:

This is to advise you that Devon Energy Production Company, LP, is filing an application with the New Mexico Oil Conservation Division (NMOCD) seeking authorization to inject produced water back into the Lower Wolfcamp and Cisco formations for waterflood purposes utilizing the Federal T # 1 well.

A copy of our application submitted to the Division is attached.

Our records indicate that you are the surface land owner on which the referenced wells are located. This letter is to serve as notification of our intent. Any objections or requests that a hearing be held regarding this application must be submitted within 15 days to the NMOCD at the following address.

Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Please contact me at 405-552-8152, should you have any questions.

Sincerely,

Devon Energy Production Company, LP

Marcos Ortiz  
Operations Engineer

**Form C-108 Section XIV**  
**Proof of Notice to Leasehold Operator**

Application For Injection in Federal T # 1  
Devon Energy Production Company, LP

**Leasehold Operators within 1/2 mile of Federal T # 1**

Mewbourne Oil Company  
500 W. Texas, Suite 1020  
Midland, Texas 79701

Certified receipt No.  
**7007 0710 0001 9808 8691**

Morexco Inc.  
PO Box 51208  
Midland, Texas 79710

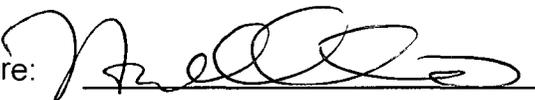
**7007 0710 0001 9808 8714**

Navajo Refining Company  
PO Box 159  
Artesia, New Mexico 88210

**7007 0710 0001 9808 8707**

A copy of this application has been mailed to the above leasehold operators by certified mail, pertaining to Devon Energy's application for salt water disposal in the Federal T #1.

Date Mailed: 6/11/2008

Signature: 

Date: 6/11/2008

Norvella Adams, Sr. Staff Engineering Technician  
Devon Energy Production Co., L.P.  
20 N. Broadway  
Oklahoma City, OK 73102



Devon Energy Corporation  
20 North Broadway  
Oklahoma City, OK 73102-8260

405 235 3611 Phone  
www.devonenergy.com

June 11, 2008

Mewbourne Oil Company  
500 W. Texas, Suite 1020  
Midland, Texas 79701

Leasehold Operator

Re: Application for Authorization to Inject (Form C108)  
Federal T # 1  
Sections 12, Township 18 South, Range 27 East  
Eddy County, New Mexico

Ladies and Gentlemen:

This is to advise you that Devon Energy Production Company, LP, is filing an application with the New Mexico Oil Conservation Division (NMOCD) seeking authorization to inject produced water back into the Lower Wolfcamp and Cisco formations for waterflood purposes utilizing the Federal T # 1 well.

A copy of our application submitted to the Division is attached.

This letter is to serve as notification of our intent to leasehold operators within a ½ mile radius of the well locations. Any objections or requests that a hearing be held regarding this application must be submitted within 15 days to the NMOCD at the following address.

Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Please contact me at 405-552-8152, should you have any questions.

Sincerely,

Devon Energy Production Company, LP

A handwritten signature in black ink, appearing to read "Marcos Ortiz". The signature is fluid and cursive, written over a white background.

Marcos Ortiz  
Operations Engineer

Enclosure



Devon Energy Corporation  
20 North Broadway  
Oklahoma City, OK 73102-8260

405 235 3611 Phone  
www.devonenergy.com

June 11, 2008

Mewbourne Oil Company  
500 W. Texas, Suite 1020  
Midland, Texas 79701

Leasehold Operator

Re: Application for Authorization to Inject (Form C108)  
Federal T # 1  
Sections 12, Township 18 South, Range 27 East  
Eddy County, New Mexico

Ladies and Gentlemen:

This is to advise you that Devon Energy Production Company, LP, is filing an application with the New Mexico Oil Conservation Division (NMOCD) seeking authorization to inject produced water back into the Lower Wolfcamp and Cisco formations for waterflood purposes utilizing the Federal T # 1 well.

A copy of our application submitted to the Division is attached.

This letter is to serve as notification of our intent to leasehold operators within a 1/2 mile radius of the well locations. Any objections or requests that a hearing be held regarding this application must be submitted within 15 days to the NMOCD at the following address.

Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Please contact me at 405-552-8152, should you have any questions.

Sincerely,

Devon Energy Production Company, LP

A handwritten signature in black ink, appearing to read "Marcos Ortiz". The signature is written in a cursive, flowing style.

Marcos Ortiz  
Operations Engineer

Enclosure



Devon Energy Corporation  
20 North Broadway  
Oklahoma City, OK 73102-8260

405 235 3611 Phone  
www.devonenergy.com

June 11, 2008

Bureau of Land Management  
620 East Greene Street  
Carlsbad, New Mexico 8820

Surface Land Owner

Re: Application for Authorization to Inject (Form C108)  
Federal T #1  
Sections 12, Township 18 South, Range 27 East  
Eddy County, New Mexico

Bureau of Land Management:

This is to advise you that Devon Energy Production Company, LP, is filing an application with the New Mexico Oil Conservation Division (NMOCD) seeking authorization to inject produced water back into the Lower Wolfcamp and Cisco formations for waterflood purposes utilizing the Federal T # 1 well.

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Our records indicate that you are the surface land owner on which the referenced wells are located. This letter is to serve as notification of our intent. Any objections or requests that a hearing be held regarding this application must be submitted within 15 days to the NMOCD at the following address.

Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Please contact me at 405-552-8152, should you have any questions.

Sincerely,

Devon Energy Production Company, LP

A handwritten signature in black ink, appearing to read "Marcos Ortiz". The signature is fluid and cursive, with a large, stylized "M" and "O".

Marcos Ortiz  
Operations Engineer

**Legal Notice**

Devon Energy Production Company, LP, 20 North Broadway, Oklahoma City, OK 73102-8260 has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval to convert the following wells located in Eddy County, NM to water injection wells.

Federal T # 1  
660' FNL & 990 FEL  
Section 12-18S-27E

The intended purpose of these wells is to inject produced waters in the Cisco and Wolfcamp formations to enhance oil production through secondary recovery. Maximum injection rates of 10,500 bwpd and maximum pressures of 1500 psi are expected.

All interested parties opposing the aforementioned 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. Additional information may be obtained by contacting Marcos Ortiz at (405) 552-8152.

*Affidavit of Publication to follow under separate*

*Covers -*

*[Handwritten Signature]*

*6/11/08*



Devon Energy Corporation  
20 North Broadway  
Oklahoma City, OK 73102-8260

405 235 3611 Phone  
www.devonenergy.com

RECEIVED

2008 JUL 8 PM 1 56

June 11, 2008

New Mexico Oil Conservation Division  
1220 S St. Francis Drive  
Santa Fe, New Mexico 87505

Attn: William Jones

Re: Application for Authorization to Inject (Form C108)  
Federal T # 1  
Sections 12, Township 18 South, Range 27 East  
Eddy County, New Mexico

Mr. Jones:

Please find attached the Affidavit of Publication for the well in review. We did not have this at the time we submitted our application.

Please contact me at 405-552-8198 should you have any questions.

Sincerely,

Devon Energy Production Company, LP

Norvella Adams  
Senior Staff Engineering Technician

Enclosure

**Affidavit of Publication**

State of New Mexico,  
County of Eddy, ss.

**Kathy McCarroll**, being first duly sworn,  
on oath says:

That she is the Classified Supervisor of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

June 13 2008

That the cost of publication is \$ **45.78** that Payment Thereof has been made and will be assessed as court costs.

*Kathy McCarroll*

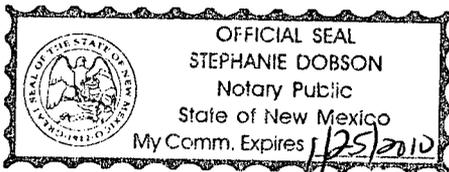
Subscribed and sworn to before me this

13<sup>th</sup> day of June, 2008

*Stephanie Dobson*

My commission Expires on 1/25/2010

Notary Public



June 13, 2008

**Legal Notice**

Devon Energy Production Company, LP, 20 North Broadway, Oklahoma City, OK 73102-8260 has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval to convert the following wells located in Eddy County, NM to water injection wells:

Federal T # 1  
660' FNL & 990 FEL  
Section 12-18S-27E

The intended purpose of these wells is to inject produced waters in the Lower Wolfcamp and Cisco formations to enhance oil production through secondary recovery. Maximum injection rates of 10,500 bwpd and maximum pressures of 1500 psi are expected.

All interested parties opposing the aforementioned 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. Additional information may be obtained by contacting Marcos Ortiz at (405) 552-8152.



RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Orosia, NM 88210

HM OTE CONS. COMMISSION

Drawer DD

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

CLSF

SEP 10 10 54 AM '93

**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

RECEIVED

OCT - 6 1993

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Mewbourne Oil Company

3. Address and Telephone No.

P.O. Box 5270 Hobbs, New Mexico 88241

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 990' FEL  
Sec. 12-T18S-R27E

5. Lease Designation and Serial No.

NM-42410

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal "T" #1

9. API Well No.

30-015-26404

10. Field and Pool, or Exploratory Area

North Illinois Camp Morrow

11. County or Parish, State

Eddy Co. New Mexico

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 checked="" 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 type="checkbox"/> Other _____
	<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.)\*

\* Verbal from Adam Salameh

- 08/14/93 Well pumping 1442 BW. 0 B0, 0 MCF from attempted completion in Cisco formation. MIRU well service rig.
- 08/15/93 Set CIBP @ 7595' over Cisco Perfs (7685'-7695'). Dump 4 sx. cmt. on plug. Perf. Wolfcamp formation (7330'-7360') (44 H)
- 08/16/93 Swabbed well down w/no entry.
- 08/17/93 Acidized Wolfcamp formation w/3000 gal 15% FE acid. Swabbed water w/no show of oil or gas.
- 08/18/93 Set CIBP @ 7300' over Wolfcamp formation (7330'-7360'). Dump 4 sx. cmt. on plug. Perf'd Wolfcamp formation (7092'-7146') (62H). Swabbed well down. No entry.
- 08/19/93 Acidized Wolfcamp formation (7092'-7146') w/3000 gal. 15% RE acid.
- 08/20/93 Swabbed well w/no show of oil or gas.
- 08/21/93 Set CIBP @ 7078' over Perfs (7092'-7146'). Perf'd Wolfcamp (6868'-7038') (80H)
- 08/22/93 Acidized Wolfcamp formation (6868'-7038') w/3000 gal. 15% FE acid.
- 08/24/93 Swabbing water w/trace of oil.
- 08/26/93 Acid frac'd Wolfcamp (6868'-7038') w/3000 gal. 20% FE acid & 15,000 gal. gel water. See attached page.

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

Signed [Signature] Title Production Engineer Date 09/08/93

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Conditions of approval, if any:

ACCEPTED FOR RECORD  
Date  
[Signature]  
OCT - 4 1993  
CARLSBAD, NEW MEXICO

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.

\*See Instruction on Reverse Side

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

AUG 24 11 03 AM '93

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

5. Lease Designation and Serial No.

NM-42410

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal "T" #1

9. API Well No.

30-015-26404

10. Field and Pool, or Exploratory Area

North Illinois Camp

11. County or Parish, State

Morrow

Eddy Co. N.M.

SUBMIT IN TRIPLICATE

RECEIVED

SEP - 8 1993

A.C.D.

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Newbourne Oil Company ✓

3. Address and Telephone No.

P.O. Box 5270 Hobbs, New Mexico 88241 (505) 393-5905

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 990' FEL Sec. 12-T18S-R27E

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 checked="" type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<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.)\*

Verball from Adam - BLM.

- 07/19/93 Set 4" CIBP @ 9950' over Morrow Perfs. (10,008'-10,054') Dump 2 sx. cmt.
- 07/21/93 Set 5-1/2" CIBP @ 9040' @ top of liner. Dumped 4 sx. cmt.
- 07/22/92 Perf. Cisco Formation (8034'-8042' w/2 SPF & 8055'-8060' w/2SPF. Swabbed tested all water.
- 07/24/93 Set cmt. retainer @ 8000'. Pumped 100 sx. cmt. into perfs. (8034'-8060')
- 07/25/93 Perf. Cisco Formation 7832'-7840' w/2 SPF. Swab tested all water.
- 07/27/93 Set cmt. retainer @ 7820'. Pumped 100 sx. cmt. into perfs. (7832'-7840')
- 07/28/93 Perf. Cisco Formation 7790'-7798' w/2 SPF. Swab tested all water.
- 07/29/93 Set cmt. retainer @ 7780'. Pumped 100 sx. cmt. into perfs. (7790'-7798')
- 07/30/93 Perf. Cisco Formation 7760'-7768' w/2 SPF. Swab tested all water.
- 07/31/93 Set cmt. retainer @ 7745'. Pumped 100 sx. cmt. into perfs. (7760'-7768')
- 08/01/93 Perf. Cisco Formation 7685'-7695' w/4 SPF. Swab tested water w/show of gas.
- 08/03/93 Acidized Cisco Formation (7685'-7695') w/3000 gal 15% FE acid.
- 08/04/93 RIH w/tbg. pump to 5033' & started pumping well.
- 08/05/93 1100 BWPD No oil.
- 08/06/93 1200 BWPD No oil.

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

Signed

*Paul Johnson*

Title Engineer

Date August 20, 1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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.

\*See Instruction on Reverse Side

2157

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved, 035F  
Budget Bureau No. 1004-0720  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different depth. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.  
NM-42410

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
FEDERAL "T"

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
N. Illinois Camp Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR ALMA  
12-18S-27E

12. COUNTY OR PARISH  
Eddy

13. STATE  
N.M.

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Mewbourne Oil Company

3. ADDRESS OF OPERATOR  
P. O. Box 7698, Tyler, Texas 75711

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
660' FNL & 990' FEL

14. PERMIT NO.  
API #30-015-26404

15. ELEVATIONS (Show whether DF, RT, GK, etc.)  
3618.9' FR

SEP 13 '90  
O. C. D.  
ARTESIA, OFFICE

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other)

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

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

17. 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.)

8/12/90 - Ran 5-1/2" casing as follows: 237 jts N-80, 17#, LT&C Used Casing set at 9473', cemented with 430 sxs Class "H" + .7 CF-14 + 5# salt + 1/4# Celloseal. Overdisplaced 1 bbl without bumping plug. No back flow or vacuum.

8/27/90 - Ran 4" liner set at 10,140' with top of liner at 9055'. Pumped 500 gallons Sure Bone, followed by 5 bbl fresh water. Spaced and cemented with 80 sacks Class "H" with 1% CF-14. Liner wiper plug down at 11:30 AM.

SEP 10 10 31 AM '90

RECEIVED

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

SIGNED

(This space for Federal or State office use)

TITLE Engr. Oprns. Secretary

DATE 9/06/90

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Wednesday, July 16, 2008 10:28 AM  
**To:** 'Adams, Norvella'  
**Cc:** Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD; Phillips, Dorothy, EMNRD  
**Subject:** Injection Application from Devon: Federal T #1 30-015-26404 Unit A Sec 12 T18S R27E

Hello Ms. Norvella Adams:

Application looks generally OK - but just a few things:

1) The Injection Data Sheet info has the wrong casing and cement sizes on it - I corrected this so it is OK now and is consistent with the wellbore diagram and the well file.

2) Send a "Post" conversion wellbore diagram - you can fax or mail it in.

3) Please ask your landman (Mr. Gray?) to tell you specifically who the affected parties (Rule 701B(2)) are in these areas of the 1/2 mile Area of Review:

in the SWSW of Sec 6 of 18S 28E

in the W/2 NW/4 of Sec 7 of 18S 28E

in Sec 1 T18S R27E (in the 1/2 mile AOR)

in Sec 12 T18S R27E (in the 1/2 mile AOR)

We have been asking applicants to break up the affected area and specifically provide ownership info for applications - something to keep in the file.

4) Your application says this injection well is for purposes of "waterflooding". If it is truly only for SWD purposes, let me know. If it really is for waterflooding - then please have an engineer send a writeup of which offsetting wells this injection may stimulate and why it may work.

5) Yesterday Devon showed one well needing additional financial assurance to be sent to Dorothy Phillips of this office. Today it appears fine - so Rule 40 compliance is OK.

For your reference, the following link shows Devon's wells and financial assurance list:

<http://www.emnrd.state.nm.us/OCD/OCDPermitting/Report/Stats/InactiveWellFinancialAssuranceReport.aspx?Operator=6137>

Regards,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505  
505-476-3448

7/16/2008

**Jones, William V., EMNRD**

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**From:** Miller, Janelle [Janelle.Miller@dvn.com]  
**Sent:** Wednesday, July 16, 2008 2:03 PM  
**To:** Adams, Norvella; Ortiz, Marcos; Muhlinghouse, Meg  
**Cc:** Jones, William V., EMNRD  
**Subject:** Correction: Devon Injection Application - Federal T #1

Correction to Item #3 below – Sec 12-18S-27E: (leasehold) Mewbourne Oil Company, (wellbore) Devon Energy

Janelle Miller  
Sr. Land Technician  
Western Land - Permian  
Devon Energy Production Company

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**From:** Miller, Janelle  
**Sent:** Wednesday, July 16, 2008 2:54 PM  
**To:** Adams, Norvella; Ortiz, Marcos; Muhlinghouse, Meg  
**Cc:** 'william.v.jones@state.nm.us'  
**Subject:** Devon Injection Application - Federal T #1

Well Location Surface Owner: Bureau of Land Management, 620 East Greene St., Carlsbad, NM 88220.

See item #3 below – leasehold owner information in **bold/red**.

Janelle Miller  
Sr. Land Technician  
Western Land - Permian  
Devon Energy Production Company  
Phone: 405 228 8421  
Fax: 405 552 8113  
[janelle.miller@dvn.com](mailto:janelle.miller@dvn.com)

---

**From:** Adams, Norvella  
**Sent:** Wednesday, July 16, 2008 11:38 AM  
**To:** Ortiz, Marcos; Gray, Ken (OKC)  
**Subject:** FW: Injection Application from Devon: Federal T #1 30-015-26404 Unit A Sec 12 T18S R27E

Please see Will's notes below.

- 4) This is for SWD not waterflooding – I'll let him know.
- 2) I'll work on the post conversion wellbore diagram

Other than # 3 we should be ok.

Thanks,  
Norvella

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**From:** Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]  
**Sent:** Wednesday, July 16, 2008 11:28 AM  
**To:** Adams, Norvella  
**Cc:** Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD; Phillips, Dorothy, EMNRD

7/16/2008

**Subject:** Injection Application from Devon: Federal T #1 30-015-26404 Unit A Sec 12 T18S R27E

Hello Ms. Norvella Adams:

Application looks generally OK - but just a few things:

**ANSWERS**

1) The Injection Data Sheet info has the wrong casing and cement sizes on it - I corrected this so it is OK now and is consistent with the wellbore diagram and the well file.

2) Send a "Post" conversion wellbore diagram - you can fax or mail it in.

3) Please ask your landman (Mr. Gray?) to tell you specifically who the affected parties (Rule 701B(2)) are in these areas of the 1/2 mile Area of Review:

in the SWSW of Sec 6 of 18S 28E : **Mewbourne Oil Company, 500 W. Texas, Ste. 1020, Midland, TX 79701**

in the W/2 NW/4 of Sec 7 of 18S 28E : **Morexco, Inc., P.O. Box 51208, Midland, TX 79710**

in Sec 1 T18S R27E (in the 1/2 mile AOR) : **Navajo Refining Company, P.O. Box 159, Artesia, NM 88210 and Mewbourne Oil Co.**

in Sec 12 T18S R27E (in the 1/2 mile AOR) : **Mewbourne Oil Co. (leasehold) and Devon Energy (Federal T #1 wellbore)**

We have been asking applicants to break up the affected area and specifically provide ownership info for applications - something to keep in the file.

4) Your application says this injection well is for purposes of "waterflooding". If it is truly only for SWD purposes, let me know. If it really is for waterflooding - then please have an engineer send a writeup of which offsetting wells this injection may stimulate and why it may work.

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<http://www.emnrd.state.nm.us/OCD/OCDPermitting/Report/Stats/InactiveWellFinancialAssuranceReport.aspx?Operator=6137>

Regards,

William V. Jones PE

New Mexico Oil Conservation Division

1220 South St. Francis

Santa Fe, NM 87505

505-476-3448

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7/16/2008

**Injection Permit Checklist (7/8/08)**

Case \_\_\_\_\_ R- (SWD) 133 WFX \_\_\_\_\_ PMX \_\_\_\_\_ IPI \_\_\_\_\_ Permit Date 7/16/08 UIC Qtr July or Sept  
 # Wells \_\_\_\_\_ Well Name: Federal T #1  
 API Num: (30-) 015-26404 Spud Date: 6/28/90 New/Old: N (UIC primacy March 7, 1982)  
 Footages 660 FNL/990 FEL Unit A Sec 12 Tsp 18S Rge 27E County EDDY  
 Operator: DEVON ENERGY PRODUCTION COMPANY, LP. Contact NORVELLA ADAMS  
 OGRID: 6137 RULE 40 Compliance (Wells) OK (Finan Assur) NO  
 Operator Address: 20 N. BROADWAY, OKLAHOMA CITY, OK. 73102-8260

Current Status of Well: TAED after TRYING 2002 FROM MORROW TO UPPER WC.  
 Planned Work to Well: Conv. 355/8" Planned Tubing Size/Depth: 3 1/2"

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing _____ Surface	<u>17 1/2 13 3/8</u>	<u>400</u>	<u>425</u>	<u>CIRC</u>
Existing _____ Intermediate	<u>12 1/4 9 5/8</u>	<u>2609</u>	<u>1025</u>	<u>CIRC</u>
Existing _____ Long String	<u>8 3/4</u>	<u>? 9450?</u>	<u>1550 430</u>	<u>4342</u>

5 1/2" ?  
or 2 1/2" ?

DV Tool \_\_\_\_\_ Liner 4 1/2 (955-1014) Open Hole \_\_\_\_\_ Total Depth 1014 PBTD \_\_\_\_\_  
 Well File Reviewed Y  
 Diagrams: Before Conversion \_\_\_\_\_ After Conversion \_\_\_\_\_ Elogs in Imaging File: ALL/DIL/SB/NEW/CBL

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)	<u>6746</u>	<u>WC (CISCO @ 7082)</u>	<u>1480</u>
Injection..... Interval TOP:	<u>7400</u>	<u>Lower WC</u>	<u>NO</u> PSI Max. WHIP
Injection..... Interval BOTTOM:	<u>8200</u>	<u>CISCO</u>	<u>NO</u> Open Hole (Y/N)
Below (Name and Top)	<u>8350</u>	<u>CANYON</u>	<u>NO</u> Deviated Hole?

**Sensitive Areas:** Capitan Reef \_\_\_\_\_ Cliff House \_\_\_\_\_ Salt Depths 7-?  
 .... Potash Area (R-111-P) \_\_\_\_\_ Potash Lessee \_\_\_\_\_ Noticed? \_\_\_\_\_

**Fresh Water:** Depths: 0-100-300 Wells (Y/N) NO Analysis Included (Y/N): NO Affirmative Statement ✓

**Salt Water:** Injection Water Types: SA, Y, SO Analysis? yes combined

**Injection Interval.....** Water Analysis: Canyon Hydrocarbon Potential none - Tested

**Notice:** Newspaper (Y/N) ✓ Surface Owner BLM Mineral Owner(s) \_\_\_\_\_

RULE 701B(2) Affected Parties: Merbone / Morepeca / North Ref Co.

**Area of Review:** Adequate Map (Y/N) ✓ and Well List (Y/N) \_\_\_\_\_

Active Wells 2 Num Repairs \_\_\_\_\_ Producing in Injection Interval in AOR \_\_\_\_\_  
 ..P&A Wells 0 Num Repairs 0 All Wellbore Diagrams Included? \_\_\_\_\_

**Questions to be Answered:**  
WF Purpose = MORE EXPLANATION  
Send Post CONV. WBD.  
Segment ownership / Finan ASSUR (Rule 40)

**Required Work on This Well:** \_\_\_\_\_ Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_  
**AOR Repairs Needed:** \_\_\_\_\_ Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_  
 \_\_\_\_\_ Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_

14800  
14800

surrounding closest Prod.!