

3/12/08 DATE IN	SUSPENSE	W. Soms ENGINEER	3/13/08 LOGGED IN	SWD TYPE	PKVR0807330062 APP NO.
--------------------	----------	---------------------	----------------------	-------------	---------------------------

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 \_\_\_\_\_

- [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

- [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.**

Ronnie Slack  
 Print or Type Name

Ronnie Slack  
 Signature

Engineering Tech  
 Title

3/11/08  
 Date

Ronnie.Slack@dvn.com  
 e-mail Address

RECEIVED  
 2008 MAR 12 PM 12 42



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

405 235 3611 Phone  
[www.devonenergy.com](http://www.devonenergy.com)

March 10, 2008

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

RE: Form C-108, Application for Authorization to Inject  
Tomcat 15 Federal #3; API# 30-025-35524  
Lea County, NM  
Section 15, T23S, R32E

Gentlemen:

Please find attached Devon Energy Production Company, LP's Form C-108, Application for Authorization to Inject. Devon's application proposes to take produced waters from the Delaware formation and re-inject into the Delaware Cherry Canyon for salt water disposal purposes utilizing the Tomcat 15 Federal #3 wellbore.

A copy of this application is being filed with the OCD-Hobbs office, surface land owner, and leasehold operators.

If you have any questions, please contact Jim Cromer at (405)-228-4464 or myself at (405)-552-4615. Thank you for your cooperation in this matter.

Sincerely,

A handwritten signature in black ink that reads "Ronnie Slack". The signature is written in a cursive, flowing style.

Ronnie Slack  
Engineering Technician

RS/rs  
Enclosure

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE:      Secondary Recovery      Pressure Maintenance      ☒ Disposal      Storage  
Application qualifies for administrative approval?      ☒ Yes      No
- II. OPERATOR:      Devon Energy Production Company, LP  
  
ADDRESS:      20 North Broadway, Suite 1500, Oklahoma City, Oklahoma 73102  
  
CONTACT PARTY:      Ronnie Slack      PHONE:      405-552-4615
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project?      Yes      ☒ No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;  
2. Whether the system is open or closed;  
3. Proposed average and maximum injection pressure;  
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,  
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME:      Ronnie Slack      TITLE:      Engineering Technician  
SIGNATURE:      *Ronnie Slack*      DATE:      3/11/08  
E-MAIL ADDRESS:      Ronnie.Slack@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: \_\_\_\_\_

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

### III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
  - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
  - (3) A description of the tubing to be used including its size, lining material, and setting depth.
  - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.
- Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.
- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
- (1) The name of the injection formation and, if applicable, the field or pool name.
  - (2) The injection interval and whether it is perforated or open-hole.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
  - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
  - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 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.

---

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, LP \_\_\_\_\_

WELL NAME &amp; NUMBER: \_\_\_\_\_ Tomcat 15 Federal #3 \_\_\_\_\_

WELL LOCATION: \_\_\_\_\_ 660' FNL & 660' FWL \_\_\_\_\_ D \_\_\_\_\_ Sec 15 \_\_\_\_\_ T23S \_\_\_\_\_ R32E  
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: 17-1/2" \_\_\_\_\_ Casing Size: 13-3/8" @ 670' \_\_\_\_\_

Cemented with: 560 sx. or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: Circ. cement

Intermediate Casing

Hole Size: 11" \_\_\_\_\_ Casing Size: 8-5/8" @ 4780' \_\_\_\_\_

Cemented with: 1300 sx. or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: Circ. cement

Production Casing

Hole Size: 7-7/8" \_\_\_\_\_ Casing Size: 5-1/2" @ 7600' \_\_\_\_\_

Cemented with: 600 sx. or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: 4342 \_\_\_\_\_ Method Determined: CBL

Total Depth: 7600' \_\_\_\_\_

Injection Interval (Perforated)

\_\_\_\_\_ 5,786' \_\_\_\_\_ feet to \_\_\_\_\_ 5,942' \_\_\_\_\_

(Perforated or Open Hole; indicate which)

**INJECTION WELL DATA SHEET**Tubing Size: 2-3/8", 4.6#          Lining Material: IPC         Type of Packer: 5-1/2" IPC   Packer Setting Depth:          +/- 5,740'                         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 Oil Well                         

2. Name of the Injection Formation:          Delaware Cherry Canyon

3. Name of Field or Pool (if applicable):          Diamond Tail

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.

Delaware Cherry Canyon from 6,764' to 6,772' (perfs open)

Delaware Brushy Canyon from 7,457' to 7,467' (perfs open)

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

The top of the Delaware zone is noted at 4,854' MD. There are no productive oil or gas bearing zones above the proposed injection interval from 5,786' to 5,942' in the area of review. Mud log shows indicate that proposed injection interval at 5,786' to 5,942' is not productive. The next lower oil zone top is the Delaware Cherry Canyon at 5,770'. The Tomcat 15 Fed #3 was productive in the Cherry Canyon from 6,764' to 6,772. The next lower productive gas zone is in the Morrow from 14,996' to 15,009' which is being produced in the Tomcat 15 Fed #1.

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: TOMCAT 15 FEDERAL #3		Field: DIAMOND TAIL	
Location: 660' FNL & 660' FWL; SEC 15-T23S-R32E		County: LEA	State: NM
Elevation: 3709' KB; 3697' GL		Spud Date: 7/11/04	Compl Date: 8/10/01
API#: 30-025-35524	Prepared by: Ronnie Slack	Date: 2/26/08	Rev:

**PROPOSED SWD  
DELAWARE CHERRY CANYON**

17-1/2" hole  
13-3/8", 48#, H40, STC, @ 670'  
Cmt'd w/560 Sx to surface

Formation Tops

<i>Rustler</i>	1181'
<i>Delaware/Lamar</i>	4854'
<i>Bell Canyon</i>	4909'
<i>Cherry Canyon</i>	5770'
<i>Brushy Canyon</i>	6995'

TOC @ 4342' (CBL)

11" Hole  
8-5/8", 32#, S80 & J55, STC, @ 4,780'  
Cmt'd w/1300 Sx to surface

**Proposed:**  
2-3/8", IPC, Injection tubing

**Proposed:**  
5-1/2" IPC Packer @ +/-5,740'

**Proposed Injection Perforations  
DELAWARE CHERRY CANYON**  
5786' - 5800'  
5852' - 5878'  
5908' - 5942'

**Proposed:**  
Set CIBP @ 6177' + 35' cement. PBD @ 6142'

**Proposed:**  
Set CIBP @ +/-6740' + 35' cement. PBD @ 6705'

**DELAWARE CHERRY CANYON**  
**6,764' - 6,772' (12/14/01)**

12/14/01: acidized 6764-6772 w/1000 gals

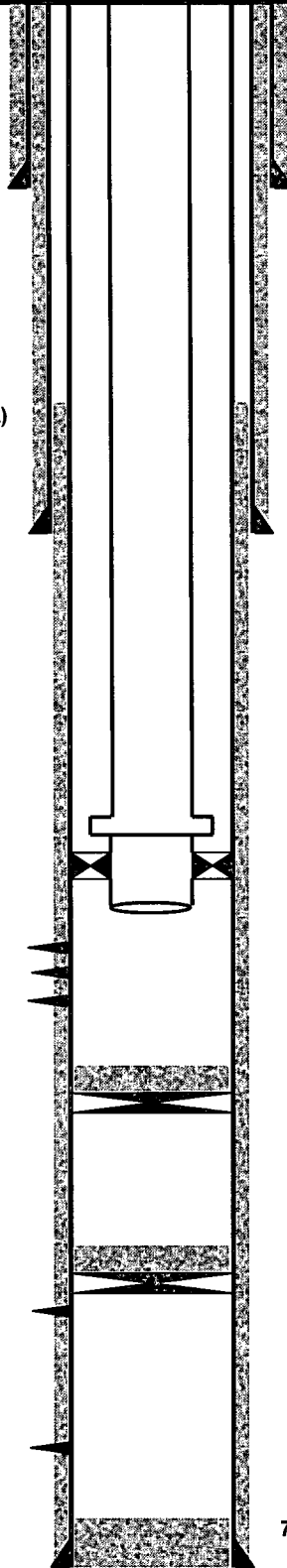
**DELAWARE BRUSHY CANYON**  
**7,457' - 7,467' (8/3/01)**

8/4/01: acidized 7457-7467 w/1000 gals & fraced w/26K#

7-7/8" Hole  
5-1/2", 17#, J55, @ 7,600'  
Cmt'd w/600 Sx. TOC @ 4342' (CBL)

7,546' PBTD

7,600' TD



**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: TOMCAT 15 FEDERAL #3		Field: DIAMOND TAIL	
Location: 660' FNL & 660' FWL; SEC 15-T235-R32E		County: LEA	State: NM
Elevation: 3709' KB; 3697' GL		Spud Date: 7/11/04	Compl Date: 8/10/01
API#: 30-025-35524	Prepared by: Ronnie Slack	Date: 2/11/08	Rev:

**CURRENT WELLBORE SCHEMAT**

17-1/2" hole  
13-3/8", 48#, H40, STC, @ 670'  
 Cmt'd w/560 Sx to surface

TOC @ 4342' (CBL)

11" Hole  
8-5/8", 32#, S80 & J55, STC, @ 4,780'  
 Cmt'd w/1300 Sx to surface

**Formation Tops**

<i>Rustler</i>	<b>1181'</b>
<i>Delaware/Lamar</i>	<b>4854'</b>
<i>Bell Canyon</i>	<b>4909'</b>
<i>Cherry Canyon</i>	<b>5770'</b>
<i>Brushy Canyon</i>	<b>6995'</b>

2-7/8" Production tubing

**DELAWARE CHERRY CANYON**

**6,764' - 6,772'** (12/14/01)

12/14/01: acidized 6764-6772 w/1000 gals

**DELAWARE BRUSHY CANYON**

**7,457' - 7,467'** (8/3/01)

8/4/01: acidized 7457-7467 w/1000 gals & fraced w/26K#

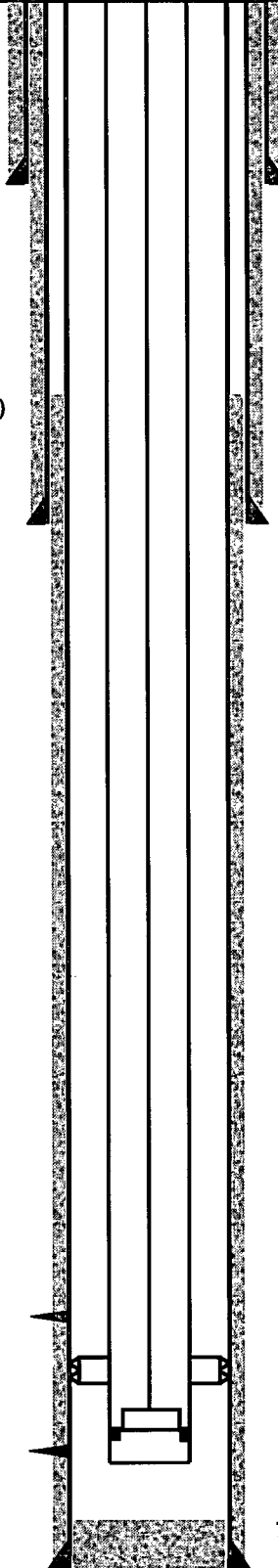
7-7/8" Hole

**5-1/2", 17#, J55, @ 7,600'**

Cmt'd w/600 Sx. TOC @ 4342' (CBL)

7,546' PBTD

7,600' TD



**TOMCAT 15 FEDERAL #3**  
**APPLICATION FOR INJECTION**  
**Form C-108 Section III**

**III. Well Data--On Injection Well**

**A. Injection Well Information**

- (1) Lease Tomcat 15 Federal  
Well No #3  
Location 660' FNL & 660' FWL  
Sec,Twn,Rnge Sec 15, T23S-R32E, Unit Letter D  
Cnty, State Lea County, New Mexico
- (2) Casing 13-3/8", 48#, @ 670' in 17-1/2" hole. Cmt'd w/ 560 sxs.  
TOC @ surface. Cement circulated.  
  
8-5/8", 32#, @ 4,780'. Cmt'd w/ 1300 sxs.  
TOC @ surface. Cement circulated.  
  
5-1/2", 17#, @ 7,600'. Cmt'd w/ 600 sxs.  
TOC @ 4342'. Cement bond log.
- (3) Injection Tubing 2-3/8" , 4.7#, J-55 IPC tubing run to +/- 5,740'
- (4) Packer 5-1/2" IPC Packer @ +/- 5,740'

**B. Other Well Information**

- (1) Injection Formation: Delaware Cherry Canyon from 5,786' to 5,942'  
Field Name: Diamond Tail
- (2) Injection Interval: 5,786' to 5,942' (cased hole, perforated)
- (3) Original Purpose of Wellbore:

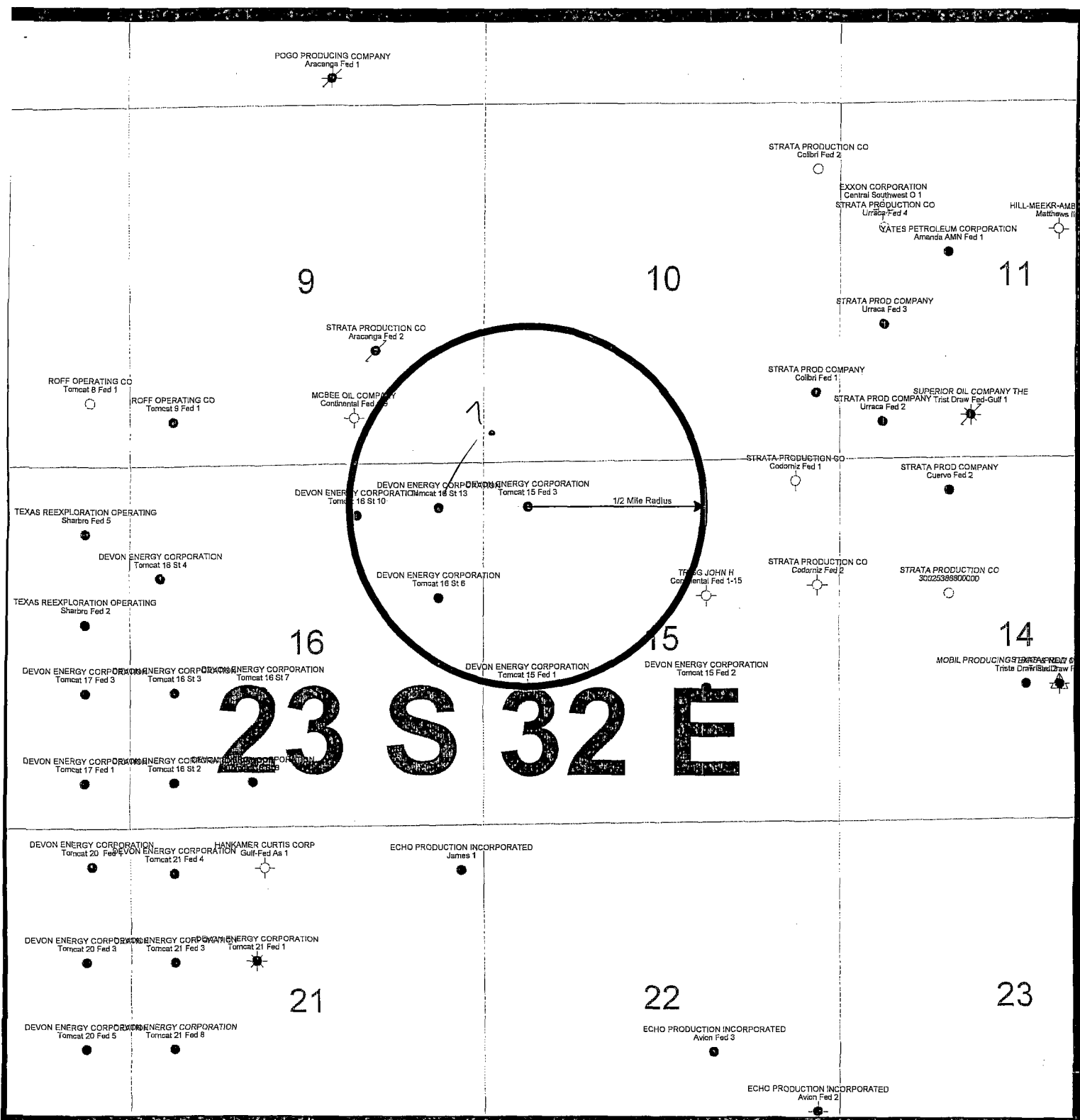
The Tomcat 15 Federal #3 was spud July 11, 1974 and completed as a producer in the Delaware Cherry & Brushy Canyon zones from 6,764' to 7,467'. Total cumulative production is 7,171 BO, 69,703 BW, and 69,703 MCF. Production declined to 1 BOPD and it is currently shut in.

- (4) Other perforated intervals:

Only perforated zones are:  
Delaware Cherry Canyon from 6,764' to 6,772'  
Delaware Brushy Canyon from 7,457' to 7,467'

- (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 Delaware zone is noted at 4,854' MD. There are no productive oil or gas bearing zones above the proposed injection interval from 5,786' to 5,942' in the area of review. Mud log shows indicate that proposed injection interval at 5,786' to 5,942' is not productive. The next lower oil zone top is the Delaware Cherry Canyon at 5,770'. The Tomcat 15 Fed #3 was productive in the Cherry Canyon from 6,764' to 6,772. The next lower productive gas zone is in the Morrow from 14,996' to 15,009' which is being produced in the Tomcat 15 Fed #1.



PETRA 2/11/2008 9:37:22 AM

**C108-Item V**  
**Map of Well Review Area**  
**Proposed Injector; Tomcat 15 Federal #3**  
**Lea County; Sec 15-T23S-R32E**

<b>devon</b>	
Southeast New Mexico	
Tomcat 15 Federal #3	
Sec 15-T23S-R34E 660'xw 660'xh	
<div style="display: flex; align-items: center;"> <div style="flex: 1; border-bottom: 1px solid black; position: relative;"> <span style="position: absolute; left: 0; top: -5px;">0</span> <span style="position: absolute; right: 0; top: -5px;">2,500</span> </div> <div style="margin-left: 5px;">FEET</div> </div>	
February 11, 2008	

C108 ITEM VI--Well Tabulation in Review Area																	
Devon Energy Production Company, LP																	
Proposed Disposal Well: Tomcat 15 Federal #3																	
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
Devon Energy Prod Co LP	720-6065 Tomcat 15 Fed #1	30-025-33801	Lea	1980' FSL 660' FWL	15	23S	32E	Gas	Active	02/11/97	05/27/97	16050	15036	Morrow	14996-15009	20", 94#, @ 618' 13-3/8", 72#, @ 4755" 9-5/8", 53.5#, @ 12410" 7-5/8" liner, 12034'-15063'	1425 Sx / Surf 3275 Sx / Surf 2800 Sx / 4200' (Est.) 625 Sx / liner top
Devon Energy Prod Co LP	720-6065 Tomcat 15 Fed #3	30-025-35524	Lea	660' FNL 660' FWL	15	23S	32E	Oil	SI	07/11/04	08/10/01	7600	7546	Delaware	6764-6772; 7457-7467	13-3/8", 48#, @ 670" 8-5/8", 32#, @ 4,780" 5-1/2", 17#, @ 7,600	560 Sx / Surf 1300 Sx / Surf 600 Sx / 4342' (CBL)
Devon Energy Prod Co LP	6550K Tomcat 16 St #6	30-025-34949	Lea	1980' FNL 660' FEL	16	23S	32E	Oil	Active	04/03/00	05/18/00	8910	8836	Delaware	7420-7434; 8548-8567	13-3/8", 48#, @ 649" 8-5/8", 32#, @ 4,862" 5-1/2", 17#, @ 8,908	650 Sx / Surf 1200 Sx / Surf 935 Sx / 4910' (CBL)
Devon Energy Prod Co LP	6550K Tomcat 16 St #10	30-025-35045	Lea	761' FNL 1881' FEL	16	23S	32E	Oil	Active	09/15/00	11/06/00	8945	8885	Delaware	7452-8542	13-3/8", 48#, @ 665" 8-5/8", 32#, @ 4,816" 5-1/2", 17#, @ 8,945	650 Sx / Surf 1400 Sx / Surf 945 Sx / 4250' (CBL)
Devon Energy Prod Co LP	6550K Tomcat 16 St #13	30-025-35411	Lea	660' FNL 660' FEL	16	23S	32E	Oil	Active	04/22/01	06/14/01	7600	7557	Delaware	7407-7420'	13-3/8", 48#, @ 660" 8-5/8", 32#, @ 4,835" 5-1/2", 17#, @ 7,600	625 Sx / Surf 1350 Sx / Surf 670 Sx / 6520' (CBL)

**TOMCAT 15 FEDERAL #3**  
**APPLICATION FOR INJECTION**  
**Form C-108 Section VII to XII**

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

- (1) Proposed average injection rate: 2000 BWPD  
Proposed maximum injection rate: 3000 BWPD
- (2) The system will be a closed system.
- (3) Proposed average injection pressure: 700 psi  
Proposed max injection pressure: 850 psi
- (4) The proposed injection fluid is produced water from the Delaware that will be re-injected into the Delaware Cherry Canyon zone. Attached is a water analysis of Delaware produced water from the Tomcat 21 SWD station. No water compatibility issues are anticipated.
- (5) Disposal zone (Delaware Cherry Canyon) formation water is submitted from the Todd 26A Fed #6 well. Similar water make up is expected from the Delaware Cherry Canyon zone in the Tomcat 15 Federal #3.

**VIII Geologic Injection Zone Data**

The proposed injection zone is the the Cherry Canyon formation at a depth of 5,786' to 5,942'. The Cherry Canyon is a Permian aged sandstone. The proposed injection interval is 156' thick. The average depth of water report notes aquifers at an average depth of 400'. Surface casing is set at 670' and cemented to surface in the Tomcat Federal #3.

**IX Proposed Stimulation**

Depending on injection rates and pressures, the proposed injection zone could be acidize with +/- 5000 gallons 7.5% NeFe acid and fraced w/+/-120,000# proppant.

**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.

**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

**C108-Item VII #4**  
**Injection Water Analysis**  
**Delaware Produced Water**  
**Tomcat 21 SWD Station**



PHONE (575) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

**ANALYTICAL RESULTS FOR**  
**DEVON ENERGY**  
**ATTN: TRACY KIDD**  
**P.O. BOX 250**  
**ARTESIA, NM 88211**  
**FAX TO: (575) 746-9072**

Receiving Date: 03/03/08  
 Reporting Date: 03/10/08  
 Project Number: NOT GIVEN  
 Project Name: TOMCAT 21 SWD TANKS  
 Project Location: NOT GIVEN

Sampling Date: 03/03/08  
 Sample Type: WASTEWATER  
 Sample Condition: COOL & INTACT  
 Sample Received By: ML  
 Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (uS/cm)	T-Alkalinity (mgCaCO <sub>3</sub> /L)
ANALYSIS DATE:		03/07/08	03/07/08	03/07/08	03/07/08	03/06/08	03/06/08
H14362-1		73,700	21,800	4,030	2,110	335,000	28.0
Quality Control		NR	49.2	50.8	3.04	1,412	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	98.5	102	101	99.9	NR
Relative Percent Difference		NR	2.8	< 0.1	6.7	0.7	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
----------	-------------	-----------	------	-------	-------

	Cl <sup>-</sup> (mg/L)	SO <sub>4</sub> (mg/L)	CO <sub>3</sub> (mg/L)	HCO <sub>3</sub> (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	03/06/08	03/07/08	03/06/08	03/06/08	03/06/08	03/03/08
H14362-1	166,000	232	0	34.2	5.52	301,000
Quality Control	490	24.0	NR	1000	7.04	NR
True Value QC	500	25.0	NR	1000	7.00	NR
% Recovery	98.0	96.0	NR	100	100	NR
Relative Percent Difference	< 0.1	3.6	NR	< 0.1	1.3	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
----------	-------------	-------	-------	-------	-------	-------

*Booth Superior*  
 Chemist

*03/10/08*  
 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Waylan C. Martin, M. A.

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

Application For Injection in Tomcat 15 Federal #3  
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.  
**7005 3110 0002 8252 6923**

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 Tomcat 15 Federal #3.

Date Mailed: 3/11/2008

Signature: *Ronnie Slack*

Date: 3/11/2008

Ronnie Slack, Engineering Technician  
Devon Energy Production Co., L.P.  
20 N. Broadway, Suite 1500  
Oklahoma City, OK 73102

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

Application For Injection in Tomcat 15 Federal #3  
Devon Energy Production Company, LP

**Leasehold Operators within 1/2 mile of Tomcat 15 Federal #3**

Roff Resources  
333 Clay Street, Suite 4300  
Houston, Texas 77002

Certified receipt No.  
**7005 3110 0003 6502 0805**

Strata Production Company  
1301 N. Sycamore  
Roswell, New Mexico 88201

**7005 3110 0003 6533 3271**

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 Tomcat 15 Federal #3.

Date Mailed: 3/11/2008

Signature: *Ronnie Slack*

Date: 3/11/2008

Ronnie Slack, Engineering Technician  
Devon Energy Production Co., L.P.  
20 N. Broadway, Suite 1500  
Oklahoma City, OK 73102

AFFIDAVIT OF PUBLICATION

State of New Mexico,  
County of Lea.

I, KATHI BEARDEN

PUBLISHER

of the Hobbs News-Sun, a  
newspaper published at  
Hobbs, New Mexico, do solemnly  
swear that the clipping attached  
hereto was published once a  
week in the regular and entire  
issue of said paper, and not a  
supplement thereof for a period.

of 1  
\_\_\_\_\_ weeks.

Beginning with the issue dated

February 19 2008  
and ending with the issue dated

February 19 2008

*Kathi Bearden*

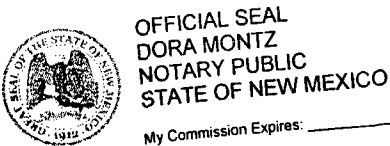
PUBLISHER

Sworn and subscribed to before

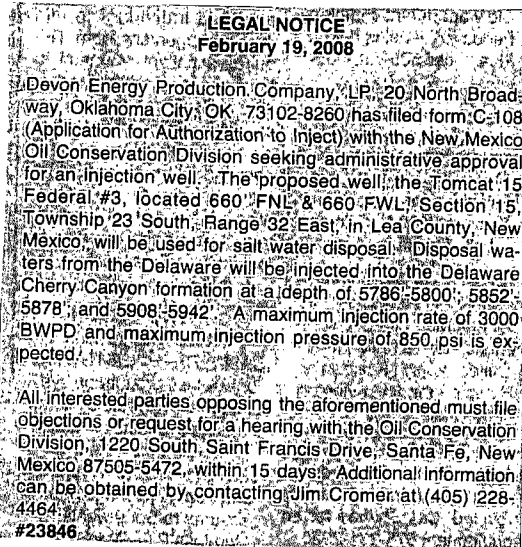
me this 19th day of

February 2008  
*Dora Montz*  
Notary Public.

My Commission expires  
February 07, 2009  
(Seal)



This newspaper is duly qualified  
to publish legal notices or adver-  
tisements within the meaning of  
Section 3, Chapter 167, Laws of  
1937, and payment of fees for  
said publication has been made.



03100039000 02598394  
DEVON ENERGY CORPORATION  
20 N. BROADWAY, SUITE 1500  
OKLAHOMA CITY, OK 73102-8260

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
EXPIRES: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals**

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**DEVON ENERGY PRODUCTION COMPANY, LP**

3a. Address

**20 North Broadway, Ste 1500, Oklahoma City, OK 73102**

3b. Phone No. (include area code)

**405-552-4615**

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

**660 FNL 660 FWL 15 T23S R32E**

5. Lease Serial No.

**NM-95642**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Well Name and No.

**Tomcat 15 Federal #3**

9. API Well No.

**30-025-35524**

10. Field and Pool, or Exploratory Area

**DIAMOND TAIL**

11. County or Parish, State

**LEA**

**NM**

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- |  |   |  |   |
|--|---|--|---|
| <input type="checkbox"/> Acidize                         | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing                    | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair                   | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
| <input type="checkbox"/> Change Plans                    | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
| <input checked="" type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepens directionally or recompletes horizontally, give subsurface location and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirement, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Devon Energy Production Company, LP is preparing Form C108, Application for Authorization to Inject that will be filed with the Oil Conservation Division, Santa Fe, New Mexico office. Devon is proposing to convert the Tomcat 15 Federal #3 to SWD in the Delaware Cherry Canyon zone from 5786' to 5942'. The BLM will be furnished a copy of C108 application when filed with the OCD.

Proposed:

1. RIH & set CIBP @ 6,740'. Dump 35' cement on top. (isolates Delaware Cherry Canyon from 6764' to 6772' and Delaware Brushy Canyon from 7457' to 7467')
2. Set CIBP @ 6177'. Dump 35' cement on top.
3. Perforate Delaware Cherry Canyon for SWD from 5786' to 5942'.
4. Acidize perforations from 5786' to 5942' w/+/- 5000 gallons 7.5% acid and Frac w/+/-120,000# proppant if necessary.
5. RIH w/2-3/8" IPC tubing & packer. Displace w/ packer fluid. Set packer @ +/- 5,740'. Conduct MIT.
6. Turn to SWD.

Proposed schemat attached

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

Name: **Ronnie Slack**

Title **Engineering Technician**

Signature

*Ronnie Slack*

Date

**2/26/2008**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct or operations thereon.

Office

Submit To Appropriate District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
En , Minerals and Natural Resources

Form C-105  
Revised March 25, 1999

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

WELL API NO.  
30025-35411

5. Indicate Type of Lease  
STATE ☒ FEE ☐  
State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: ☒ OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER \_\_\_\_\_  
b. Type of Completion:  
NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. ☐  
WELL ☒ OVER ☐ BACK ☐ RESVR. ☐ OTHER \_\_\_\_\_

2. Name of Operator  
CONCHO RESOURCES INC.

3. Address of Operator

110 W. LOUISIANA STE 410; MIDLAND TX 79701

4. Well Location

Unit Letter A : 660 Feet From The North Line and 660 Feet From The East Line

Section 16 Township 23S Range 32E NMPM LEA County

10. Date Spudded 4/22/01 10. Date T.D. Reached 5/6/01 11. Date Compl. (Ready to Prod.) 6/14/01 12. Elevations (DF& RKB, RT, GR, etc.) 3684' 13. Elev. Casinghead 3685'

15. Total Depth 7600 16. Plug Back T.D. 7557 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools Cable Tools  
Xxxxxxxxxxxxxxx

19. Producing Interval(s), of this completion - Top, Bottom, Name  
7407-7420' Delaware

20. Was Directional Survey Made  
No

21. Type Electric and Other Logs Run

GR CBL CCL, CMR, CNL,

21. Was Well Cored  
No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	660	17-1/2	625 C	0
8-5/8	32	4835	11	1350 C	0
5-1/2	17	7600	7-7/8	670 H	0

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8	7338	

26. Perforation record (interval, size, and number)

7407-7420' w/ 2 spf (27 holes)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7407-7420	Acid w/ 1500 gals 15%
7407-7420	Frac w/ 399 bbls gel & 27483# 16/30 RC sd

28. PRODUCTION

Date First Production 6/14/01	Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING (2-1/2"x1-1/2"x22)	Well Status (Prod. Or Shut-in) PROD					
Test Date 6/20/01	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 103	Gas - MCF 26	Water - Bbl. 74	Gas - Oil Ratio 252
Flow Tubing Press.	Casing Pressure 50#	Calculated 24-Hour Rate	Oil - Bbl. 103	Gas - MCF 26	Water - Bbl. 74	Oil Gravity - API - (Corr.) 40.4	

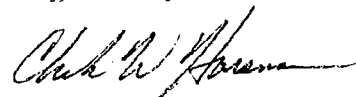
29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

Test Witnessed By  
MARK HULSE, CONCHO RESOURCES INC.

30. List Attachments  
LOGS, LETTER OF CONFIDENTIALITY, SUNDRY C104 C102

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature 

Printed  
Name Charles W. Horsman

Title Operations Supervisor Date 7/11/01

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised March 25, 1999

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

WELL API NO.  
30025-35411

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:  
TOMCAT '16' STATE

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

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

2. Name of Operator  
CONCHO RESOURCES INC.

7. Well No.  
13

3. Address of Operator  
110 W. LOUISIANA STE 410; MIDLAND TX 79701

8. Pool name or Wildcat  
DIAMONDTAIL BONE SPRING

4. Well Location

Unit Letter A : 660 feet from the NORTH line and 660 feet from the EAST line

Section 16 Township 23S Range 32E NMPM LEA County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3684' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: completion ☒

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

05/24/01 Ran GR CBL CCL log from PBTD @ 7557-6300'. TOC @ 6520'. Perf w/ 2 SPF @ 7407-7420'.  
05/25/01 Acid w/ 1500 gals 15% NEFE.  
05/30/01 Frac 7407-7420' w/ 399 bbls gel & 27483# 16/30 RC sand.  
05/31/01 TIH w/ prod tbg. Run rods & pump.  
06/20/01 IP: 103 BO, 74 BW, 26 MCF.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Charles W. Horsman TITLE Operations Supervisor DATE 7/11/01

Type or print name CHARLES W. HORSMAN Telephone No. (405) 235-3611

(This space for State use)

APPROVED BY Paul TITLE Eng. Sig DATE 7/11/01

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Conservation Division  
1625 N. 1st Avenue  
Tulsa, NM 88240

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

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

2. Name of Operator  
DEVON ENERGY PRODUCTION COMPANY, LP.

3. Address and Telephone No.  
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660' FNL & 660' FWL, Sec. 15-23S-32E

5. Lease Designation and Serial No.  
NM - 95642

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA, Agreement Designation  
N/A

8. Well Name and No.  
Tomcat "15" Federal #3

9. API Well No.  
30-025-35524

10. Field and Pool, or Exploratory Area  
Diamondtail Bone Spring

11. County or Parish, State  
Lea County

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 Completion
	<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.)\*

7/20/01- Drilled 11" hole to 4780'. RIH w/115jts, 8 5/8", 32#, S-80 and J-55, STC casing. Cmt lead w/1100sx 35/65 Poz C. Cmt tail w/20 Class C. Circ 120sx to pit.

8/3/01- Drilled 7 7/8" hole. Set 5 1/2", 17#, J-55 casing @7610'. Cmt w/600sx. Run CBL-GR-CCL from PBTD @ 7546' to 6000' under 10 psi. Found TOC @ 4342'. RIH w/4" csg gun. Perf 7457'-7467', 2SPF, 21 holes.

8/4/01- Acidized perf 7457'-7467' w/1000gal, 7.5%NeFe, Delaware Blend.

8/7/01- Frac 7457'-7467' w/15,000gal SFG-3000, 26,000# 16/30RC.

8/10/01- Pump testing.

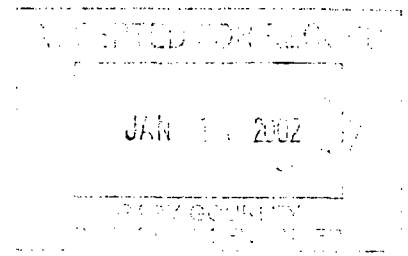
12/13/01- RIH w/4" csg gun & perf 2SPF from 6764'-6772' (16 shots).

12/14/01- Acidized 6764'-6772' w/1000gal 7.5% NeFe acid.

12/15/01- Swabbing.

12/19/01- RIH w/2 7/8" tbg, SION.

12/20/01- Set tbg @7337', set pump & rods, clean location. RDMO.



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

Signed Karen A. Cottom Title Engineering Technician  
(This space for Federal or State office use)

Date January 8, 2001

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

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 repress to any matter within its jurisdiction.

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Thursday, March 13, 2008 4:21 PM  
**To:** 'Slack, Ronnie'  
**Cc:** Ezeanyim, Richard, EMNRD; Brooks, David K., EMNRD; Kautz, Paul, EMNRD  
**Subject:** SWD Application from Devon: Tomcat 15 Federal #3 API No. 30-025-35524 Unit D Sec 15 T23S R32E Lea County

Hello Ronnie:

After reviewing your SWD application, have the following requests and concerns:

- 1) Send a copy of the CBL on this well to the Hobbs office for scanning into the OCD logging system.
- 2) Send copies of all elogs on 30-025-33801 to Hobbs for scanning - (I could not see logs for this well in the file).
- 3) Ask your Geologist and/or Engineer to give a quick evaluation of the producibility (oil/gas) of the proposed injection zone in this well. i.e. good reasons not to need a perf, swab, and test requirement prior to injection.
- 4) Does Strata have the Delaware minerals leased in the SW/4 of Section 10? if not, then look at Rule 701B(2) concerning notice and let me know?
- 5) The 30-025-35411 is a Devon well offsetting this proposed injection well, and seems to have a cement top below the intended injection interval. Is Devon OK with a conditional SWD permit which would require this cement top to be raised prior to injection? If not, then Devon has the option of setting this to a hearing.

Thanks,

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

*Conceded*  
*3/13/08*

3/13/2008



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

405 235 3611 Phone  
www.devonenergy.com

RECEIVED

2008 APR 25 PM 4 17

April 23, 2008

Oil Conservation Division  
Attn: William V. Jones PE  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

RE: Form C-108, Tomcat 15 Federal #3; API# 30-025-35524  
Lea County, NM  
Section 15, T23S, R32E  
Follow up to questions/concerns from William Jones on March 13, 2008

Dear Mr. Jones:

Devon's response to questions and concerns from your email dated March 13, 2008 are as follows.

1. The CBL for the Tomcat 15 Federal #3 (api#: 30-025-35524) was delivered to the Hobbs office on April 16, 2008.
2. E logs for the Tomcat 15 Fed #1 (api#: 30-025-33801) were delivered to the Hobbs office on April 16, 2008.
3. Proposed Delaware Cherry Canyon injection zone oil/gas producibility (5786' – 5942'): Mud logs indicate no shows of hydrocarbon presence in this interval. After perforation, Devon will swab test prior to injection to confirm if hydrocarbons are present.
4. Our Land department has verified that Strata Production Company has Delaware mineral rights in the SW/4 of Section 10, 23S, 32E. Our intent to convert was delivered to Strata on March 17, 2008.
5. Devon is agreeable to raising TOC above the proposed injection zone, in its offset well, the Tomcat 16 ST #13 (api# 30-025-35411), prior to converting the Tomcat 15 Federal #3 to injection.

If you have any questions, or need additional information, please contact Jim Cromer at (405)-228-4464 or myself at (405)-552-4615.

Sincerely,

Ronnie Slack  
Engineering Technician

RS/rs

# Injection Permit Checklist 2/8/07

**SWD Order Number** 1120 **Dates:** Division Approved \_\_\_\_\_ District Approved \_\_\_\_\_

**Well Name/Num:** TOMCAT 15 FEDERAL #3 **Date Spudded:** 7/11/04

**API Num:** (30-) 025-35524 **County:** LEA

**Footages** 660 FNL/660 FWL **Sec** 15 **Tsp** 235 **Rge** 32E

**Operator Name:** DEVON Energy Production Company, LP **Contact** Ronnie SLACK

**Operator Address:** 20 North Broadway, SUITE 1500, OKLAHOMA CITY, OK 73102

**Current Status of Well:** CC/BS open Perf **Planned Work:** \_\_\_\_\_

**Inj. Tubing Size:** 2 3/8" 5740'

	Hole/Pipe Sizes		Depths	Cement	Top/Method
Surface	17 1/2	13 3/8	670	560	CIRC
Intermediate	11 7/8	8 5/8	4780	1300	CIRC
Production	7 7/8	5 1/2	7600	600	4342 CBL
Last DV Tool					
Open Hole/Liner					
Plug Back Depth					

**Diagrams Included (Y/N):** Before Conversion ☒ After Conversion ☒

**Checks (Y/N):** Well File Reviewed ☒ ELogs in Imaging ☒

Intervals:	Depths	Formation	Producing (Yes/No)
Sal/Potash	1181'		
Capitan Reef	1350'		
Cliff House, Etc:			
Formation Above	4854' to 4909'	TOP of Delaware	
Top Inj Interval	5786	Red Orange	
Bottom Inj Interval	5942	" "	
Formation Below			

**Fresh Water:** Depths: \_\_\_\_\_ Wells(Y/N) \_\_\_\_\_ Analysis Included (Y/N): \_\_\_\_\_ Affirmative Statement \_\_\_\_\_

**Salt Water Analysis:** Injection Zone (Y/N/NA) Rel Dis/Waters (Y/N/NA) ☒ Types: Rel

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

**Other Affected Parties:** ROFF Co. / STRATA

**AOR/Repairs:** NumActiveWells 4 Repairs? 1/2 Producing in Injection Interval in AOR \_\_\_\_\_

**AOR Num of P&A Wells** 0 **Repairs?** \_\_\_\_\_ **Diagrams Included?** \_\_\_\_\_ **RBDMS Updated (Y/N)** \_\_\_\_\_

**Well Table Adequate (Y/N)** ☒ **AOR STRs:** Sec \_\_\_\_\_ Tsp \_\_\_\_\_ Rge \_\_\_\_\_ **UIC Form Completed (Y/N)** \_\_\_\_\_

**New AOR Table Filename** \_\_\_\_\_ **Sec** \_\_\_\_\_ **Tsp** \_\_\_\_\_ **Rge** \_\_\_\_\_ **This Form completed** \_\_\_\_\_

**Conditions of Approval:** Sec \_\_\_\_\_ Tsp \_\_\_\_\_ Rge \_\_\_\_\_ **Data Request Sent** \_\_\_\_\_

Perf Set CIBP with 200 feet of bore perf  
4000 Perf / Schwalb / E-test new perfs.

Does STRATA have Delaware mineral interest in SW 1/4 Sec 10?

**AOR Required Work:** UNIT A low cement top.

**Required Work to this Well:** \_\_\_\_\_