

DATE IN 11/2/07	SUSPENSE	ENGINEER W JONES	LOGGED IN 11/2/07	TYPE SWD	APP NO. PKUR0730639547
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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.

Print or Type Name

Signature

Title

Date

e-mail Address

in Potal area

Bell Canyon
SPD 1996

Rule 40 OK
on 12/1/07



RECEIVED

NOV 1 2 07 9 31

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

November 1, 2007

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

RE: Form C-108, Application for Authorization to Inject
Todd 25N Federal #14
Eddy County, NM
Section 25, T23S, R31E

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 Bell Canyon for salt water disposal purposes utilizing the Todd 25N Federal #14 wellbore.

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

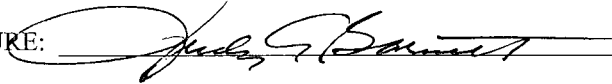
If you have any questions, please contact Jim Cromer at (405)-228-4464 or myself at (405)-228-8699.
Thank you for your cooperation in this matter.

Sincerely,

Judy A. Barnett
Regulatory Analyst

JB/jb
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: _____ Judy A. Barnett _____ PHONE: _____ 405-228-8699
- 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: _____ Judy A. Barnett _____ TITLE: _____ Regulatory Analyst _____
- SIGNATURE: _____  _____ DATE: _____ 11-1-07 _____
- E-MAIL ADDRESS: _____ Judith.Barnett@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.

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 & NUMBER: _____ Todd 25N Federal #14 _____

WELL LOCATION: _____ 660' FSL & 1980' FWL _____ N _____ Sec 25 _____ T23S _____ R31E _____
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 17-1/2" _____ Casing Size: 13-3/8" _____
Cemented with: 700 sx. or _____ ft³
Top of Cement: _____ Surface _____ Method Determined: Circ. cementIntermediate CasingHole Size: 11" _____ Casing Size: 8-5/8" _____
Cemented with: 1220 sx. or _____ ft³
Top of Cement: _____ Surface _____ Method Determined: Circ. cementProduction CasingHole Size: 7-7/8" _____ Casing Size: 5-1/2" _____
Cemented with: 935 sx. or _____ ft³
Top of Cement: 3056" _____ Method Determined: CBLTotal Depth: 8,672' _____Injection Interval (Perforated)

_____ 5,236 _____ feet to _____ 5,498' _____

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2-3/8", 4.7# Lining Material: IPC

Type of Packer: 5-1/2" IPC

Packer Setting Depth: +/- 5,200'

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 Bell Canyon

3. Name of Field or Pool (if applicable): Ingle Wells (Delaware)

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 5962-5990'; CIBP @ 5920' + 36' cmt. PBD 5884'. Delaware Cherry Canyon 6799-7045'.
 CIBP @ 6740' + 35' cmt. Delaware Brushy Canyon 7088-8274'.

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

No higher gas zones have been productive in the well review area above the proposed Delaware Bell Canyon injection interval at 5,236' to 5,498'. The deepest producing oil zone has been in the Delaware from 8214' to 8246' in the Todd 36B ST #15 operated by Devon. No higher producing oil zone has been productive in the well review area above the proposed Delaware Bell Canyon interval.

Well Name: TODD 25N FED 14		Field: INGLE WELLS	
Location: 660' FSL & 1980' FWL; SEC 25-T23S-R31E		County: EDDY	State: NM
Elevation: 3502' GL		Spud Date: 4/19/96	Compl Date: 5/29/96
API#: 30-015-28859	Prepared by: Ronnie Slack	Date: 10/15/07	Rev:

PROPOSED SWD

17-1/2" hole

13-3/8", 48#, H40, ST&C, @ 877'

Cmt'd w/700 Sx, circ to surface

TOC @ 3056' (CBL-5/15/96)

11" Hole

8-5/8", 32#, J55, ST&C, @ 4,373'

Cmt'd w/1220 Sx, circ to surface

Proposed 2-3/8" IPC Injection Tubing

Proposed IPC Injection Packer @ +/- 5200'

PROPOSED DELAWARE BELL CANYON SWD

5236' - 5250'; 5374' - 5382'; 5488' - 5498'

DV Tool @ 5509'

DELAWARE CHERRY CANYON (9/98)

5962' - 5976'

5986' - 5990'

DELAWARE CHERRY CANYON (5/96)

6799' - 6821'

7038' - 7045'

DELAWARE BRUSHY CANYON (5/96)

7088' - 7102'

8034' - 8050'

8120' - 8142'

8222' - 8238'

8268' - 8274'

36' cement. 5884' PBD

CIBP @ 5920' (10/1/05)

35' cement. 6705' PBD (9/98)

CIBP @ 6740' (9/98)

7-7/8" Hole

5-1/2", 15.5# & 17#, J55, LT&C, @ 8,672'

Cmt'd w/935 Sx. TOC @ 3056' (CBL)

8,603' PBD

8,673' TD

Well Name: TODD 25N FED 14		Field: INGLE WELLS	
Location: 660' FSL & 1980' FWL; SEC 25-T23S-R31E		County: EDDY	State: NM
Elevation: 3502' GL		Spud Date: 4/19/96	Compl Date: 5/29/96
API#: 30-015-28859	Prepared by: Ronnie Slack	Date: 10/15/07	Rev:

CURRENT SCHEMAT

17-1/2" hole
13-3/8", 48#, H40, ST&C, @ 877'
 Cmt'd w/700 Sx, circ to surface

TOC @ 3056' (CBL-5/15/96)

11" Hole
8-5/8", 32#, J55, ST&C, @ 4,373'
 Cmt'd w/1220 Sx, circ to surface

DV Tool @ 5509'

DELAWARE CHERRY CANYON (9/98)
 5962' - 5976'
 5986' - 5990'

DELAWARE CHERRY CANYON (5/96)
 6799' - 6821'
 7038' - 7045'

DELAWARE BRUSHY CANYON (5/96)
 7088' - 7102'
 8034' - 8050'
 8120' - 8142'
 8222' - 8238'
 8268' - 8274'

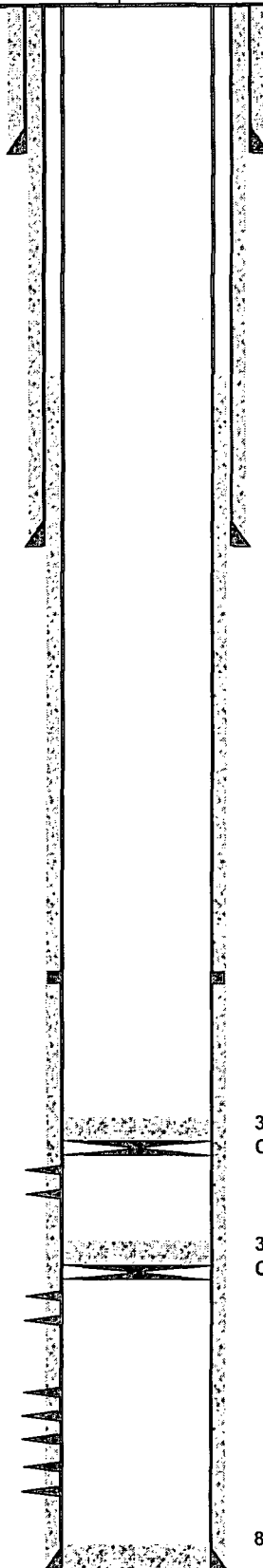
7-7/8" Hole
5-1/2", 15.5# & 17#, J55, LT&C, @ 8,672'
 Cmt'd w/935 Sx. TOC @ 3056' (CBL)

36' cement. 5884' PBD
 CIBP @ 5920' (10/1/05)

35' cement. 6705' PBD (9/98)
 CIBP @ 6740' (9/98)

8,603' PBD

8,673' TD



TODD 25N FEDERAL #14
APPLICATION FOR INJECTION
Form C-108 Section III

III. Well Data--On Injection Well

A. Injection Well Information

- (1) Lease Todd 25N Federal
Well No #14
Location 660' FSL & 1980' FWL
Sec,Twn,Rnge Sec 25, T23S-R31E, Unit Letter N
Cnty, State Eddy County, New Mexico
- (2) Casing 13 3/8", 48#, @ 877' in 17-1/2" hole. Cmt'd w/ 700 sxs.
TOC @ surface. Cement circulated.
8 5/8", 32#, @ 4,373'. Cmt'd w/ 1220 sxs.
TOC @ surface. Cement circulated.
5 1/2", 15.5# & 17# @ 8,672'. Cmt'd w/ 935 sx. TOC @ 3056' CBL.
- (3) Injection Tubing 2-3/8" , 4.7#, J-55 IPC tubing run to +/- 5,200'
- (4) Packer 5-1/2" IPC Packer @ +/- 5,200'

B. Other Well Information

- (1) **Injection Formation:** Delaware, Bell Canyon
Field Name: Ingle Wells (Delaware)
- (2) **Injection Interval:** 5,236' to 5,498' (cased hole, perforated)
- (3) **Original Purpose of Wellbore:**

The Todd 25N Federal #14 was spud on 4/19/1996. The well was drilled to 8673' and was completed in the Delaware Brushy Canyon from 6799' to 8274' on June 15, 1996. This well is currently temporarily abandoned. The TA status expires October 1, 2008.

- (4) **Other perforated intervals:**

Delaware Cherry Canyon 5962-5990'; CIBP @ 5920' w/36' cmt. PBD @ 5884'. TA. Delaware Cherry Canyon 6799-7045'; CIBP @ 6740 w/35' cmt. Delaware Brushy Canyon 7088-8274'.

- (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.**

No higher gas zones have been productive in the well review area above the proposed Delaware Bell Canyon injection interval at 5,236' to 5,498'. The deepest producing oil zone has been in the Delaware from 8214' to 8246' in the Todd 36B ST #15 operated by Devon. No higher producing oil zone has been productive in the well review area above the proposed Delaware Bell Canyon interval.

23S 31E

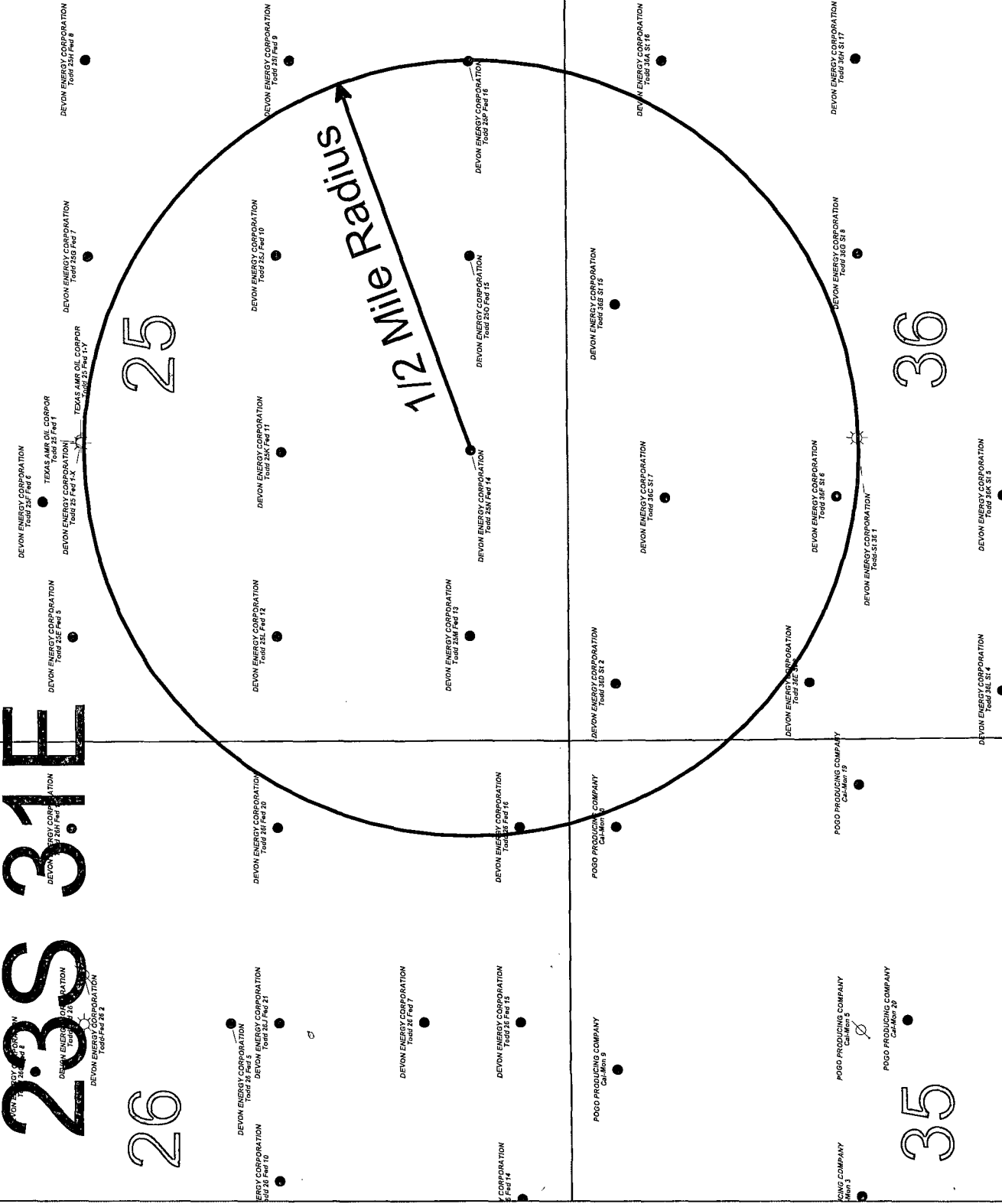
26

25

35

36

1/2 Mile Radius



Southwest New Mexico

Todd 25 Federal 14

Sec 25 T23S R31E

660' FSL 1980' FWL

0 500 FEET

September 13, 2007

C108 ITEM VI--Well Tabulation in Review Area

Devon Energy Production Company, LP

Proposed Disposal Well: Todd 25N Federal #14

Operator	Well Name	API NO	County	Sec	Twn	Rnge	Type	Status	Spud Date	Comp Date	TD	PBTD	Comp Interval-Ft	Casing Program	Cement / TOC
Devon Energy Prod Co LP	Todd 25J Federal #10	30-015-28806	Eddy	25	23S	31E	Oil	Active	11/12/96	12/30/96	8642	8559	7134-8311	13-3/8", 48#, @ 887' 8-5/8", 32#, @ 4360' 5-1/2", 15.5 & 17#, @ 8644'	700 Sx / circ surf 1250 Sx / circ surf 920 Sx, TOC 3459' (CBL)
Devon Energy Prod Co LP	Todd 25K Federal #11	30-015-27710	Eddy	25	23S	31E	Oil	Active	05/28/96	07/10/96	8630	8572	6796-6814 7495-7515 7540-7560 8050-8070 8116-8136	13-3/8", 48#, @ 889' 8-5/8", 32#, @ 4365' 5-1/2", 15.5 & 17#, @ 8629'	700 Sx / circ surf 1450 Sx / circ surf 1050 Sx, 3620' (CBL)
Devon Energy Prod Co LP	Todd 25L Federal #12	30-015-27385	Eddy	25	23S	31E	Oil	Active	08/30/93	09/27/93	8400	8356	8045-8228	13-3/8", 48#, @ 872' 8-5/8", 32#, @ 4353' 5-1/2", 15.5 & 17#, @ 8400'	700 Sx / circ surf 1650 Sx / circ surf 1100 Sx, TOC 2460' (CBL)
Devon Energy Prod Co LP	Todd 25M Federal #13	30-015-27366	Eddy	25	23S	31E	Oil	Active	10/21/93	12/18/93	8370	8315	6748-6778 7128-7198 8091-8248	13-3/8", 48#, @ 860' 8-5/8", 32#, @ 4370' 5-1/2", 15.5 & 17#, @ 8370'	700 Sx / circ surf 1500 Sx / circ surf 1075 Sx / TOC 2472' (CBL)
Devon Energy Prod Co LP	Todd 25N Federal #14	30-015-28859	Eddy	25	23S	31E	Oil	Inactive TA	04/19/96	05/29/96	8673	6705	5952-5990	13-3/8", 48#, @ 877' 8-5/8", 32#, @ 4373' 5-1/2", 15.5 & 17#, @ 8672'	700 Sx / circ surf 1220 Sx / circ surf 935 Sx / TOC 3056' (CBL)
Devon Energy Prod Co LP	Todd 25O Federal #15	30-015-28860	Eddy	25	23S	31E	Oil	Active	02/04/97	03/17/97	8671	8583	7124-7160 8110-8124 8154-8200	13-3/8", 48#, @ 894' 8-5/8", 32#, @ 4425' 5-1/2", 16#, @ 8670'	775 Sx / circ surf 1210 Sx / circ surf 830 Sx / TOC 3590' (CBL)
Devon Energy Prod Co LP	Todd 25P Federal #16	30-015-28817	Eddy	25	23S	31E	Oil	SWD	05/10/97	06/19/97	8708	8625	8121-8230 7540-7560 7202-7246 5778-5920	13-3/8", 48#, @ 1026' 8-5/8", 32#, @ 4471' 5-1/2", 15.5 & 17#, @ 8707'	810 Sx / circ surf 1325 Sx / circ surf 970 Sx / 3660' (CBL)
Devon Energy Prod Co LP	Todd 26P Federal #16	30-015-27134	Eddy	26	23S	31E	Oil	Active	01/15/93	04/01/93	8425	8410	8068-8086 8136-8228	13-3/8", 48#, @ 835' 8-5/8", 32#, @ 4450' 5-1/2", 15.5 & 17#, @ 8425'	650 Sx / circ surf 2200 Sx / circ surf 1150 Sx / TOC 1810' (CBL)
Devon Energy Prod Co LP	Todd 36B ST #15	30-015-29102	Eddy	36	23S	31E	Oil	Active	09/09/96	10/24/96	8581	8525	7102-7158 8128-8171 8214-8246	13-3/8", 48#, @ 882' 8-5/8", 32#, @ 4394' 5-1/2", 15.5 & 17#, @ 8580'	700 Sx / circ surf 1330 Sx / circ surf 1180 Sx / TOC 3500' (CBL)
Devon Energy Prod Co LP	Todd 36C ST #7	30-015-28522	Eddy	36	23S	31E	Oil	Active	10/14/95	12/01/95	8623	8513	7198-8264	13-3/8", 48#, @ 850 8-5/8", 32#, @ 4379' 5-1/2", 15.5 & 17#, @ 8623'	700 Sx / circ surf 1450 Sx / circ surf 1175 Sx, TOC 1810' (CBL)
Devon Energy Prod Co LP	Todd 36D ST #2	30-015-27365	Eddy	36	23S	31E	Oil	Active	07/02/93	08/20/93	8400	8347	7036-7044 8078-8104	13-3/8", 54.5#, @ 875 8-5/8", 32#, 4333 5-1/2", 15.5 & 17#, @ 8400'	700 Sx / circ surf 1800 Sx / circ surf 1175 Sx / TOC 1410' (CBL)
Devon Energy Prod Co LP	Todd 36D St. 1	30-015-20341	Eddy	36	23S	31E	Gas	SWD	11/06/70	03/18/71	15,400	11,527	5700-6560 (Del perms SWD) 14,862-14,898	20", 94#, @ 630' 13-3/8", 12 & 54.5#, @ 4525' 9-5/8", 47 & 43.5#, @ 12,830' 5-1/2" Liner @ 12,331-15,400'	1160 Sx / circ surf 3400 Sx / circ surf 2400 Sx / circ surf 925 Sx / TOC, TOC 4750' TS
Devon Energy Prod Co LP	Todd 36F ST #6	30-015-28520	Eddy	36	23S	31E	Oil	Active	11/18/95	01/05/96	8707	8623	7100-7236	13-3/8", 48#, @ 859' 8-5/8", 32#, @ 4384' 5-1/2", 15.5 & 17#, @ 8707'	700 Sx / circ surf 1250 Sx / circ surf 1175 Sx / TOC 2070' (CBL)

Todd 25N Federal #14
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: 2000 BWPD
- (2) The system will be a closed system.
- (3) Proposed average injection pressure: 800 psi
Proposed max injection pressure: 1155 psi
- (4) The proposed injection fluid is produced water from the Delaware that will be re-injected into the Delaware Bell Canyon formation.
- (5) Disposal zone formation water analysis: Attached is a water analysis for Delaware produced waters from the Todd Federal lease. Similar Delaware waters will be injected into the Todd 25N Federal #14.

VIII The proposed injection interval is located in the Delaware formation. This Permian age reservoir is approximately 262 feet thick in this area. The injection interval is from 5,236' to 5,498'.

The base of surface fresh water sands (Upper Permian Sands) are reported at 800'. The surface casing for the Todd 25N Federal #14 is set at 877' and has been cemented to surface.

IX The proposed injection zone will be acidized with +/- 5000 gallons 7.5% NeFe and fraced with +/- 120,000 lb proppant.

X Logging & test data have previously been submitted to the OCD.

XI Fresh water analysis attached for Todd 26 FWW.

XII 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.

C108-Item VII #4
Injection Water Analysis
Delaware Produced Water
Todd 26 Federal SWD Station

North Permian Basin Region
P.O. Box 740
Sundown, TX 79372-0740
(806) 229-8121
Lab Team Leader - Sheila Hernandez
(432) 495-7240

Water Analysis Report by Baker Petrolite

Company:	DEVON ENERGY CORPORATION	Sales RDT:	44221
Region:	PERMIAN BASIN	Account Manager:	SHAWNA MATTHEWS (505) 910-9393
Area:	CARLSBAD, NM	Sample #:	397552
Lease/Platform:	TODD 26 FEDERAL SWD STATION	Analysis ID #:	68859
Entity (or well #):	SWD	Analysis Cost:	\$80.00
Formation:	DELAWARE PRODUCED WATER		
Sample Point:	DISCHARGE LINE		

Summary		Analysis of Sample 397552 @ 75 °F					
Sampling Date:	02/23/07	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	03/09/07	Chloride:	173926.0	4905.82	Sodium:	84955.2	3695.34
Analyst:	JOSE NUNEZ	Bicarbonate:	912.6	14.96	Magnesium:	3135.0	257.9
TDS (mg/l or g/m3):	284659.8	Carbonate:	0.0	0.	Calcium:	18251.0	910.73
Density (g/cm3, tonne/m3):	1.187	Sulfate:	622.0	12.95	Strontium:	1337.0	30.52
Anion/Cation Ratio:	1	Phosphate:			Barium:	4.0	0.06
		Borate:			Iron:	31.0	1.12
		Silicate:			Potassium:	1480.0	37.85
Carbon Dioxide:	220 PPM	Hydrogen Sulfide:		2 PPM	Aluminum:		
Oxygen:		pH at time of sampling:		6.5	Chromium:		
Comments:		pH at time of analysis:			Copper:		
		pH used in Calculation:		6.5	Lead:		
					Manganese:	6.000	0.22
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ *2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.55	140.95	-0.07	0.00	-0.01	0.00	0.30	140.95	0.88	1.87	1.53
100	0	1.61	146.55	-0.16	0.00	-0.03	0.00	0.28	131.36	0.68	1.60	1.85
120	0	1.66	152.14	-0.23	0.00	-0.03	0.00	0.27	127.36	0.50	1.33	2.2
140	0	1.71	157.74	-0.30	0.00	0.00	0.53	0.27	127.63	0.35	1.07	2.57

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO₂ pressure is actually the calculated CO₂ fugacity. It is usually nearly the same as the CO₂ partial pressure.

10/23/2007 07:21

Martin Water Labs

(FAX)

C108-Item XI

Fresh Water Analysis

Todd 26 FWW

Sec 26-T23S-R31E

P.O. BOX 98
MIDLAND, TX. 79702
PHONE (432) 683-4521

Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
FAX (432) 682-8819

RESULT OF WATER ANALYSES

TO: Shawna Matthews LABORATORY NO. 1007-191
10520 W. I-20 East, Odessa, TX 79765 SAMPLE RECEIVED 10-15-07
RESULTS REPORTED 10-23-07

COMPANY Baker Petrolite LEASE Devon - Todd 26 FWW

FIELD OR POOL _____

SECTION _____ BLOCK _____ SURVEY _____ COUNTY _____ STATE _____

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Drinking water - taken 10-12-07.

NO. 2 Maximum contents for drinking water as recommended by the Texas Dept. of Health.

NO. 3 _____

NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0013			
pH When Sampled				
pH When Received	7.55			
Bicarbonate as HCO ₃	122			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	2,400			
Calcium as Ca	660			
Magnesium as Mg	182			
Sodium and/or Potassium	109			
Sulfate as SO ₄	2,208	300		
Chloride as Cl	170	300		
Iron as Fe	0.30	0.30		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	3,452	1,000		
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen				
Hydrogen Sulfide	0.0			
Resistivity, ohm-cm at 77° F.	2.27			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	2.4	10.0		
Results Reported As Milligrams Per Liter				
Additional Determinations And Remarks <u>Based on the determinations performed above, this water shows to</u>				
<u>exceed State standards for drinking water as recommended by the Texas Dept. of Health in the levels of sulfate</u>				
<u>and total solids.</u>				

Form No. 3

By

Greg Ogden, B.S.

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

Application For Injection in Todd 25N Federal #14
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 0000 3996 1992

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 injection in the Todd 25N Federal #14

Date Mailed: 11/01/2007

Signature: 

Date: 11-1-07

Judy A. Barnett, Regulatory Analyst
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 Todd 25N Federal #14
Devon Energy Production Company, LP


Leasehold Operators within 1/2 mile of Todd 25N Federal #14

Pogo Producing Company
P.O. Box 10340
Midland, Texas 79702

Certified receipt No.
7007 0710 0000 3996 2005

A copy of this application has been mailed to the above leasehold operator by certified mail, pertaining to Devon Energy's application for salt water injection in the Todd 25N Federal #14.

Date Mailed: 11/1/2007

Signature: 

Judy A. Barnett, Regulatory Analyst
Devon Energy Production Co., L.P.
20 N. Broadway, Suite 1500
Oklahoma City, OK 73102

Date: 11-1-07

Form C-108 Section XIV
Proof of Notice to Leasehold Owner

Application For Injection in Todd 25N Federal #14
Devon Energy Production Company, LP

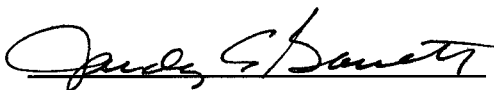
Potash Leasehold Owners

Intrepid Potash
1996 Potash Mines Road
Carlsbad, NM 88220

Certified receipt No.
7007 0710 0001 9808 5164

A copy of this application has been mailed to the above leasehold owners by certified mail, pertaining to Devon Energy's application for salt water injection in the Todd 25N Federal #14.

Date Mailed: 1/7/2008

Signature: 

Date: 1-14-07

Judy A. Barnett, Regulatory Analyst
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 Owner

Application For Injection in Todd 25N Federal #14
Devon Energy Production Company, LP

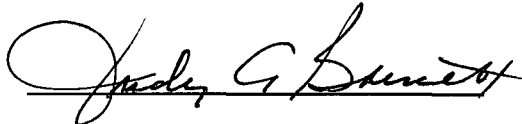
Potash Leasehold Owners

Mosaic Potash Carlsbad
1361 Potash Mines Road
Carlsbad, NM 88220

Certified receipt No.
7007 0710 0000 3996 2012

A copy of this application has been mailed to the above leasehold owners by certified mail, pertaining to Devon Energy's application for salt water injection in the Todd 25N Federal #14.

Date Mailed: 1/7/2008

Signature: 

Date: 1-14-07

Judy A. Barnett, Regulatory Analyst
Devon Energy Production Co., L.P.
20 N. Broadway, Suite 1500
Oklahoma City, OK 73102

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

April Hernandez, being first duly sworn,
on oath says:

That she is HR Manager 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:

October 10 2007

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

April Hernandez

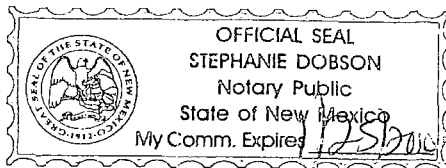
Subscribed and sworn to before me this

11 day of October, 2007

Stephanie Dobson

My commission Expires on 1/25/2010

Notary Public



October 10, 2007

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 for an injection well. The proposed well is the Todd 25N Federal #14, located 660' FSL & 1980 FWL, Unit N, Section 25, Township 23 South, Range 31 East, in Eddy County, New Mexico, will be used for salt water disposal. Disposal waters from the Delaware will be injected into the Bell Canyon formation at a depth of 5236' to 5498' with a maximum pressure of 800 psi and a maximum rate of 2000 BWPD.

All interested parties opposing the afore mentioned must file objections or request

for a hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505-5472, within 15 days. Additional information can be obtained by contacting Jim Cromer at (405) 228-4464.

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

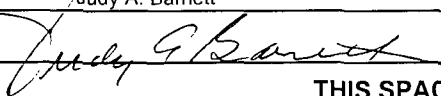
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM NM 0544986
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		6. If Indian, Allottee or Tribe Name
3a. Address 20 North Broadway, Oklahoma City, OK 73102		7. Unit or CA Agreement Name and No.
3b. Phone No. (include area code) 405-228-8699		8. Well Name and No. Todd 25N Federal 14
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660 FSL 1980 FWL N 25 T23S R31E		9. API Well No. 30-015-28859
		10. Field and Pool, or Exploratory Area Ingle Wells (Delaware)
		11. County or Parish, State Eddy NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<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 type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" 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 convert to a SWD that will be filed with the Oil Conservation Division, Santa Fe, New Mexico office. Devon is proposing to convert the Todd 25N Federal 14 to a disposal well in the Delaware Bell Canyon zone from 5236' to 5498'. The BLM will be furnished a copy of the C108 application when filed with the OCD. The Todd 25N Federal 14 is currently TA. The TA status expires 10/01/08.

14. I hereby certify that the foregoing is true and correct		
Name <u>Judy A. Barnett</u>	Title Regulatory Analyst	
Signature 	Date 10/10/2007	

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	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make 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.

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Friday, November 30, 2007 4:08 PM
To: 'Barnett, Judith'; 'ronnie.slack@dvn.com'
Cc: Ezeanyim, Richard, EMNRD; Arrant, Bryan, EMNRD
Subject: SWD Applications: Todd 25N Federal #14 and Todd 26A Federal #6

Hello Ronnie and Judy:

I quickly reviewed these today and had a couple of requests or questions:

- 1) Both are in or near the defined "Potash Area" in R-111-P. You noticed the BLM, but we have been requiring injection applications to be noticed to the nearest Potash Leaseholder.
- 2) Please have your Geologist pick formation tops from the Salt/Potash to the Bone Spring in this area including the members of the Delaware.
- 3) Please have your engineer send more reasoning why the injection into the Bell Canyon member of the Delaware will aide and not harm oil/gas residuals in this interval. Talk about what the well produced (cumulative oil/gas/water) from this interval in the past and what it was producing (oil/gas/water) at shut-in. Is there any analogy for water pressure support or waterflooding in this interval?
- 4) Same as 3 above for the Cherry Canyon in Well #6.
- 5) The AOR of Well #6 has the Todd 26G Federal #1 which is an active Atoka well, but has a cement top barely above the interval proposed for injection and below the Bell Canyon. Do you have a bradenhead survey for this well and its results? We may require periodic checks of this bradenhead while injecting into the #6 well - what do you think of that, any reason this would be unnecessary? Is this a good Atoka well?

Thank You,

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

11/30/2007

Inactive Well List

Total Well Count: 1712 Inactive Well Count: 9 Since: 9/6/2006

Printed On: Friday, November 30 2007

District	API	Well	ULSTR	OCD Unit	OGRID	Operator	Lease Type	Well Type	Last Production	Formation/Notes	Status	TA Exp Date
2	30-015-00176	ATOKA SAN ANDRES UNIT #113	J-11-18S-26E	J	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	I	12/1992		T	10/9/2007
2	30-015-00284	ATOKA SAN ANDRES UNIT #133	D-14-18S-26E	D	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	I	02/2003			
2	30-015-29656	FOAL 17 FEDERAL #001	G-17-22S-28E	G	6137	DEVON ENERGY PRODUCTION COMPANY, LP	F	G	07/2006	MORROW		
2	30-015-21707	HIGGINS TRUST INC COM #001	A-13-18S-26E	A	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	G	06/2006			
2	30-015-28286	HONDO 4 K FEDERAL #049	15-4 -18S-27E	K	6137	DEVON ENERGY PRODUCTION COMPANY, LP	F	O	02/2003		T	10/22/2007
2	30-015-01205	JACKSON #001	4-7 -18S-27E	M	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	O	05/1993		T	10/9/2007
2	30-015-30048	JULIA A FEDERAL #005	E-5 -18S-27E	E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	F	O	04/2004	SAN ANDRES	T	11/8/2007
2	30-015-29981	PATTON 6 FEDERAL #005	K-6 -18S-27E	K	6137	DEVON ENERGY PRODUCTION COMPANY, LP	F	O	08/2001	SAN ANDRES	T	9/12/2007
2	30-015-28941	WEST RED LAKE UNIT #072	F-8 -18S-27E	F	6137	DEVON ENERGY PRODUCTION COMPANY, LP	F	I	06/2003	SAN ANDRES	T	7/27/2007

WHERE Ogrid:6137, County:All, District:All, Township:All, Range:All, Section:All, Production(months):15, Excludes Wells Under ACOI, Excludes Wells in Approved TA Period



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

405 235 3611 Phone
www.devonenergy.com

RECEIVED

2008 JAN 15 AM 9 46

January 14, 2008

Mr. William V. Jones
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
RE: Form C-108, Application for Authorization to Inject
Todd 25 N Federal #14
Eddy County, NM
Section 25, T23S, R31E

Dear Mr. Jones:

This letter is to reference the above well and the questions proposed by you in an email to Ronnie Slack and myself concerning the 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 Bell Canyon for salt water disposal purposes utilizing the Todd 25N Federal #14 wellbore.

- 1) The Potash Leaseholder's have been notified via certified mail.
- 2) The Geologist has picked the following formation tops from the Salt/Potash to the Bone Spring:

Rustler	824
Salado	1155
Delaware Mountain Group	4485
Bell Canyon	4537
Cherry Canyon	5414
Brushy Canyon	6660
Bone Spring	8336

- 3) The Bell Canyon has been chosen because it is not a productive zone in this well or any of the offset wells.
- 4) This question addressed the reason for injecting into the Cherry Canyon on the Todd 26A Federal # 6. At this time, Devon does not wish to pursue with its C-108 application to convert the Todd 26A Fed #6 to a salt water injector. This is mainly due to the fact that the Todd 26 Federal #1, a direct offset producer from the Atoka zone, has TOC on the 10-3/4" casing at 5948'. The Todd 26 Fed #1 is a good producer at this time, averaging approximately 1.7 MMCFD, 0 BOPD, 506 BWPD from the Atoka. We do not want to jeopardize this well's current production with an attempt to raise TOC in this wellbore or put another injection well in near proximity of this well. We will re-evaluate the Todd 26A Federal #6 for injection at a later time.

If you have any questions, please contact Jim Cromer at (405)-228-4464 or myself at (405)-228-8699. .

Sincerely,

Judy Barnett

Regulatory Analyst

Attachments

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

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

811 S. 1st Street

Artesia, NM 88210-2834

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

OCT - 3 1996

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

OIL CON. DIV.

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

DIST. 2

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 1980' FWL Unit N Section 25-T23S-R31E

5. Lease Designation and Serial No.
NM0544986

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

WDD *25N* Federal #14

9. API Well No.

30-015-28859

10. Field and Pool, or Exploratory Area

Ingle Wells (Delaware)

11. County or Parish, State

Eddy Cnty, NM

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 type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Completion</u>	<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.)*

05-14-96 thru 05-16-96

Ran bit and DC's on 2 7/8" tbg. Tagged 5505'. Drld cement and DV tool. Press tested csg to 2500 psi before and after drlg DV tool. Circ'd. Tagged 8603'. Ran scraper thru DV tool. RU Wedge WL. Ran CBL 8594-2850'. TOC at 3056'.

Perf'd LBC w/1 JSPF as follows: "A" at 8268-8274' w/3 holes; "B" at 8222-8238' w/6 holes; "D" at 8120-8142' w/7 holes; "F" at 8034-8050' w/7 holes; total 23 holes (.40" EHD).

Set packer at 7972'. Acidized perfs 8034-8274' down tbg w/2500 gals 7 1/2% NeFe acid + 50 BS at AIR 6 BPM w/1600 psi. ISIP on vacuum. TOH w/packer.

Frac'd perfs 8034-8274' down csg w/40,500 gals 30# X-link gel + 130,000# 16/30 Ottawa sd + 45,000# 16/30 RC sd at AIR 35 BPM w/800 psi. ISIP 560 psi. (Continued on reverse.)

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

Candace R. Graham

Signed Candace R. Graham

Title Engineering Technician

Date September 25, 1996

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

(ORIG. BGD) DAVID R. GLASS
OCT 3 1996

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

OCT - 3 1996

OIL CON. DIV.

DIST. 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY CORPORATION (NEVADA)

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' FSL & 1980' FWL Unit N Section 25-T23S-R31E

N.M. Oil Conservation District
811 S. 1st Street
Artesia, NM 88210-2836

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

Lease Designation and Serial No.

NM 88210-2836

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

TODD "25N" Federal #14

9. API Well No.

30-015-28859

10. Field and Pool, or Exploratory Area

Ingle Wells (Delaware)

11. County or Parish, State

Eddy Cnty, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Spud, csg strings, TD

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

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

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

This well was SPUD at 1645 hrs 04-19-96. Drld 17 1/2" hole to 877'. On 04-21-96 ran 19 jts 13 3/8" 48# H-40 8rd ST&C csg, set at 877'. Cemented 13 3/8" csg w/500 sx 35/65 Pozmix "C" + 200 sx Class "C". TOC at surface.

Drld 11" hole to 4374'. On 04-28-96 ran 98 jts 8 5/8" 32# J-55 8rd ST&C csg, set at 4373'. Cemented 8 5/8" csg w/1020 sx 35/65 Pozmix "C" + 200 sx Class "C". TOC at surface.

Drld 7 7/8" hole. Reached TD 8673' at 0900 hrs 05-05-96. Ran DLL/MLL/GR/C & ZDL/CN/GR/C logs.

On 05-06-96 ran 204 jts 5 1/2" 17# and 15.5# J-55 8rd LT&C csg, set at 8672'. Cemented 5 1/2" csg. 1st stage w/585 sx Class "H", calculated TOC at 5509'. Opened DV tool. Cemented 2nd stage w/350 sx Class "C", calculated TOC at 3500'.

Released rig at 1630 hrs 05-08-96. WOCU.

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

Candace R. Graham

Signed Candace R. Graham Title Engineering Technician Date September 6, 1996

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

RECEIVED FOR RECORD
(ORIG CGD) DAVID R. GLASS
OCT 01 1996

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Rustler Salado Bell Canyon Manzanita Brushy Canyon Bone Spring	824' 1160' 4486' 5600' 7068' 8334'	
			ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.: (continued from the front)			
		DEPTH				
		7038-7102'	2000 gals 7 1/2% NeFe acid + 45 BS			
			22,000 gals 30# X-link gel + 61,000# 16/30 Ottawa sd + 18,000# 16/30 RC sd			
		8034-8274'	2500 gals 7 1/2% NeFe acid + 50 BS			
			40,500 gals 30# X-link gel + 130,000# 16/30 Ottawa sd + 45,000# 16/30 RC sd			

Injection Permit Checklist 2/8/07

SWD Order Number 1108 **Dates:** Division Approved _____ District Approved _____

Well Name/Num: Todd 25N Federal #14 **Date Spudded:** 4/19/96

API Num: (30-) 015-28859 **County:** Edmon

Footages 60 FSL/178 FWL **Sec** 25 **Tsp** 23S **Rge** 31E

Operator Name: Devon Energy Corp, LP **Contact:** Judy A. Barnett

Operator Address: 20 N. BDWY, OKC, OK 73102-8260

Current Status of Well: TAED **Planned Work:** Perf-EQP-inj **Inj. Tubing Size:** 23/8" ± 5200

	Hole/Pipe Sizes	Depths	Cement	Top/Method
Surface	17 1/2 13 3/8	877	700	Surf
Intermediate	11 8 3/8	4373	1220	CIRC
Production	7 7/8 5 1/2	8673	935	3056 CBL
Last DV Tool		5509'		
Open Hole/Liner		(5884)		
Plug Back Depth		(TD=8672)		

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	1155		
Capitan-Reef	(NO Reef)		
Cliff House, Etc.			
D.M.S. Formation Above	4485		
Top Inj Interval	5236	Bell C.	
Bottom Inj Interval	5498	Bell C.	
Formation Below			

1047 PSI Max. WHIP
 No Open Hole (Y/N)
 No Deviated Hole (Y/N)

Fresh Water: Depths: 0-800' Wells(Y/N) Y Analysis Included (Y/N): Y Affirmative Statement ☒

Salt Water Analysis: Injection Zone (Y/N/NA) _____ DispWaters (Y/N/NA) _____ Types: Del

Notice: Newspaper(Y/N) ☒ Surface Owner BLM Mineral Owner(s) _____

Other Affected Parties: POGO, INTRAP, Potash, MOSAIC

AOR/Repairs: NumActiveWells 13 Repairs? _____ Producing in Injection Interval in AOR NO

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

Well Table Adequate (Y/N) Yes 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 _____

AOR Required Work: _____

Required Work to this Well: _____