

1/2/08 DATE IN	SUSPENSE	W. Jones ENGINEER	1/2/08 LOGGED IN	SWD TYPE	PKUR0800235457 APP NO.
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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 _____

Ore Ida 14 Fed #5

[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

1/2/08
Date

Ronnie.Slack@dvn.com
e-mail Address

DEVON
ORE IDA 14 Fed #5

2008 JUN 2 AM 9 49

RECEIVED



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

405 235 3611 Phone
www.devonenergy.com

RECEIVED

2007 DEC 31 AM 9 38

December 28, 2007

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

RE: Form C-108, Application for Authorization to Inject
Ore Ida 14 Federal #5
Eddy County, NM
Section 14, T24S, R29E

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 Ore Ida 14 Federal #5 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)-552-4615. Thank you for your cooperation in this matter.

Sincerely,

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: 12/28/07
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: _____

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: _____ Ore Ida 14 Federal #5 _____

WELL LOCATION: _____ 935' FNL & 1705' FEL _____ B _____ Sec 14 _____ T24S _____ R29E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: _____ 17-1/2" _____ Casing Size: _____ 13-3/8" _____

Cemented with: _____ 325 _____ sx. *or* _____ ft³

Top of Cement: _____ Surface _____ Method Determined: Circ. cement

Intermediate Casing

Hole Size: _____ 12-1/4" _____ Casing Size: _____ 8-5/8" _____

Cemented with: _____ 1300 _____ sx. *or* _____ ft³

Top of Cement: _____ Surface _____ Method Determined: Circ cement _____

Production Casing

Hole Size: _____ 7-7/8" _____ Casing Size: _____ 5-1/2" _____

Cemented with: _____ 1036 _____ sx. *or* _____ ft³

Top of Cement: _____ 2970' _____ Method Determined: CBL

Total Depth: _____ 8,350' _____

Injection Interval (Perforated)

_____ 3,182' _____ feet to _____ 3,490' _____

(Perforated or Open Hole; indicate which)

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

1.	Is this a new well drilled for injection?	Yes _____	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): _____ Cedar Canyon (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 Brushy Canyon: 6,668' – 6,704'; Abandoned. CIBP @ 6620' + 35' cement. 6,585' PBD Bone Spring: 7,864' – 8,141'. Abandoned.
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

No higher or lower gas zones have been productive in the well review area above/below the proposed Delaware Bell Canyon injection interval from 3,182' to 3,490'. The deepest producing oil zone has been in the Bone Spring from 7,864' to 8,152' in Devon's Ore Ida 14 Fed #6. The highest producing oil zone has been in the Delaware Brushy Canyon (6668' - 6704') present in the Ore Ida 14 Fed #5. No productive oil zones have been above the proposed Delaware Bell Canyon SWD perforations at 3,182' - 3,490'.

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: Ore Ida 14 Federal #5		Field: CEDAR CANYON DELAWARE	
Location: 935' FNL & 1705' FEL; Sec 14-T24S-R29E		County: EDDY	State: NM
Elevation: 2974' KB; 2960' GL		Spud Date: 11/30/96	Compl Date: 3/8/97
API#: 30-015-29243	Prepared by: Ronnie Slack	Date: 10/30/07	Rev:

PROPOSED SWD CONVERSION

17-1/2" hole
13-3/8", 48#, H40, 8RD, STC @ 351'
 Cemented w/325 sx to surface

TOC @ 2970' (CBL-1/1/97)

12-1/4" hole
8-5/8", 32#, J55, 8RD, STC, @ 3117'
 Cemented w/1300 sx to surface

Proposed:
 2-3/8" IPC Tubing

Proposed:
 Injection Packer @ +/- 3130'

Proposed SWD Perforations:
DELAWARE BELL CANYON
 3182' - 3204'; 3214' - 3234'; 3246' - 3280'
 3360' - 3380'; 3474' - 3490'

Proposed:
 CIBP @ 3725' w/35' cement on top. PBD @ 3690'

DV Tool @ 5,428'

BRUSHY CANYON (4/25/97)
 6,668' - 6,704'
 4-26-97: acidize w/5K gals
 5-2-97: fraced w/42K#
 5-16-97: 15 bo, 174 bw

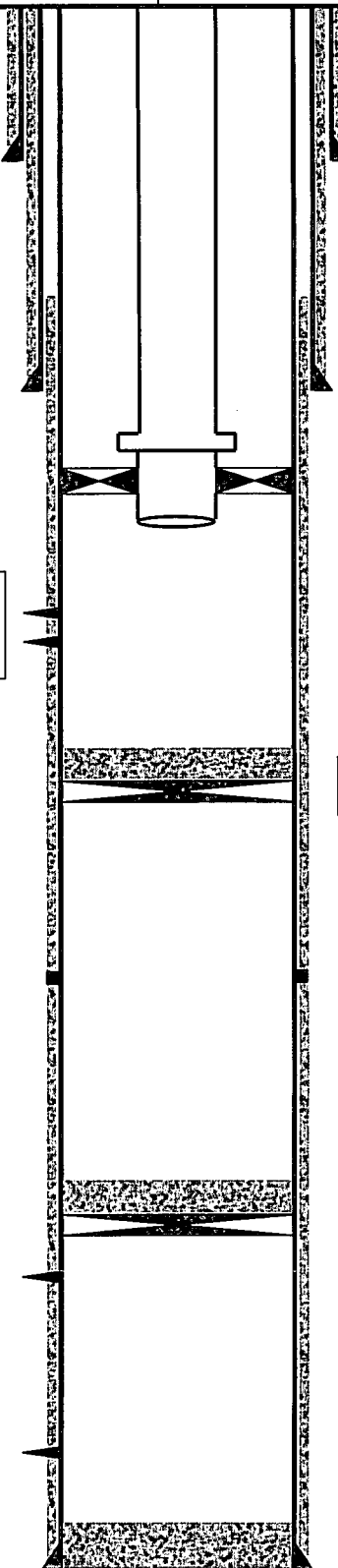
35' Cement. PBD @ 6,585'
 CIBP @ 6,620' (10/5/05)

BONE SPRING (1/1/97)
 7,864' - 8,141'
 3-17-97: 33 bo, 132 bw, 175 mcf

7-7/8" Hole
5-1/2", 17#, J55, 8RD, LTC, @ 8,350'
 Cemented w/1036 sx.

4-25-98: TAC parts pushed to 8263'
 PBD @ 8,263'

TD @ 8,350'



DEVON ENERGY PRODUCTION COMPANY LP

Well Name: Ore Ida 14 Federal #5		Field: CEDAR CANYON DELAWARE	
Location: 935' FNL & 1705' FEL; Sec 14-T24S-R29E		County: EDDY	State: NM
Elevation: 2974' KB; 2960' GL		Spud Date: 11/30/96	Compl Date: 3/8/97
API#: 30-015-29243	Prepared by: Ronnie Slack	Date: 12/22/06	Rev:

CURRENT SCHEMAT

17-1/2" hole

13-3/8", 48#, H40, 8RD, STC @ 351'

Cemented w/325 sx to surface

TOC @ 2970' (CBL-1/1/97)

12-1/4" hole

8-5/8", 32#, J55, 8RD, STC, @ 3117'

Cemented w/1300 sx to surface

DV Tool @ 5,428'

BRUSHY CANYON (4/25/97)

6,668'- 6,704'

4-26-97: acidize w/5K gals

5-2-97: fraced w/42K#

5-16-97: 15 bo, 174 bw

BONE SPRING (1/1/97)

7,864'- 8,141'

3-17-97: 33 bo, 132 bw, 175 mcf

7-7/8" Hole

5-1/2", 17#, J55, 8RD, LTC, @ 8,350'

Cemented w/1036 sx.

35' Cement. PBD @ 6,585'

CIBP @ 6,620' (10/5/05)

4-25-98: TAC parts pushed to 8263'

PBD @ 8,263'

TD @ 8,350'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Con Division

811 S. 1st Street

Alameda, NM 88210-2834

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

RECEIVED
NM-96222

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

RECEIVED

FEB 27 1997

OIL CON. DIV.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Periwell Energy, Inc. (915) 683-2534

FEB 21 '97

3. Address and Telephone No.

600 N. Marienfeld, Ste. 1100, Midland, Texas 79701

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

935' FNL & 1705' FEL, Section 14, T24S, R29E

ROSWELL, NM

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and

Ore Ida "14" Fed. #5

9. API Well No.

30-015-29243

10. Field and Pool, or Exploratory Area

E. Pierce Crossing BS

11. County or Parish, State

Eddy, New Mexico

12. CHECK APPROPRIATE BOX(es) 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 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 Spud, csg. & cmt.	<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.)

- 11-30-96 Spudded 17 1/2" surface hole @ 5:00 PM CST. Ran 8 jts. 13 3/8", 48#, H-40, 8rd, STC, new API csg. set @ 351'. Cmt'd w/325 sx. Cl. "C" Neet cmt. containing 3% CaCl₂. Circ'd 40 sx. to the pit. WOC 24 hrs.
- 12-07-96 Ran 70 jts. 8 5/8", 32#, J-55, 8rd, STC, new API intermediate csg. set @ 3,117'. Cmt'd w/ 1,050 sx of Cl. "C" Lite + 1/4 #/sx flocele + 1# gilsonite/sx + 12% salt mixed @ 12.4 ppg. followed by 250 sx Cl. "C" Neet w/2% CaCl₂. Plug down to 3,069'. Circ'd to pit. WOC 12 hrs. (12 1/4" hole)
- 12-19-96 Ran 5 1/2", 17#, J-55, 8rd LTC new API production casing set @ 8,350'. Cmt'd w/475 sx. Super Modified Cl. "H" cmt.. Plug down to 8,302'. Opened DV tool and circ'd 40 sx cmt. to the pit. Cmt'd 2nd stage w/186 sx of Cl "C" Lite + 1/4#/sx. cello flakes + 1#/sx filsonite + 12% salt mixed @ 12.4 ppg yield 2.26 sq. ft/sx, mixing water 12.44 gals/sx followed by 375 sx of modified super "H". Plug down to 5,437' @ 9:30 AM 12-19-96. (7 7/8" hole)

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

Signed

Title Production Analyst

Date 2-19-97

(This space for Federal or State office use)

Approved by

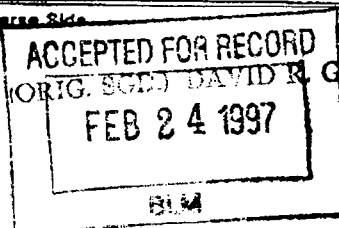
Conditions of approval, if any:

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 representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side



TOTAL P.01

ORE IDA 14 FEDERAL #5
APPLICATION FOR INJECTION
Form C-108 Section III

III. Well Data--On Injection Well

A. Injection Well Information

- (1) Lease Ore Ida 14 Federal
Well No #5
Location 935' FNL & 1705' FEL
Sec,Twn,Rnge 14-T24S-R29E
Cnty, State Eddy County, NM
- (2) Casing 13-3/8", 48#, H40, @ 351' in 17-1/2" hole. Cmt'd w/ 325 sxs.
TOC @ surface. Cement circulated.

8-5/8", 32#, J55, @ 3,117'. Cmt'd w/ 1300 sxs.
TOC @ surface. Cement circulated.

5-1/2", 17#, J55, @ 8,350'. Cmt'd w/ 1036 sxs.
TOC @ 2970' determined by CBL.
- (3) Injection Tubing 2-3/8" , 4.7#, IPC tubing run to +/- 3,130'
- (4) Packer 5-1/2" IPC Packer @ +/- 3,130'

B. Other Well Information

- (1) **Injection Formation:** Delaware Bell Canyon
Field Name: Cedar Canyon Delaware
- (2) **Injection Interval:** 3,182' to 3,490' (cased hole, perforated)
- (3) **Original Purpose of Wellbore:**

The Ore Ida 14 Federal #5 was spud on 11/30/96. It was drilled & completed as an oil producer in the Bone Spring and Delaware Brushy Canyon zones. These zones were plugged off on 10/5/05. The wellbore is currently TA'd effective through 10/4/08.

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

These are the only perforated intervals in the Ore Ida 14 Federal #5 wellbore.

Delaware Brushy Canyon: 6,668' - 6,704'. Abandoned. CIBP @ 6,620' w/35' cement.
Bone Spring: 7,864' - 8,141'. Abandoned. Below CIBP @ 6,620'.

- (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 or lower gas zones have been productive in the well review area above/below the proposed Delaware Bell Canyon injection interval from 3,182' to 3,490'. The deepest producing oil zone has been in the Bone Spring from 7,864' to 8,152' in Devon's Ore Ida 14 Fed #6. The highest producing oil zone has been in the Delaware Brushy Canyon (6668'-6704') present in the Ore Ida 14 Fed #5. No productive oil zones have been above the proposed Delaware Bell Canyon SWD perforations at 3,182' - 3,490'.

C108-Item V
Map of Well Review Area
Proposed Injector: Ore Ida 14 Fed #5
Eddy County; Sec 14-T24S-R29E

10 T24S R29E 11

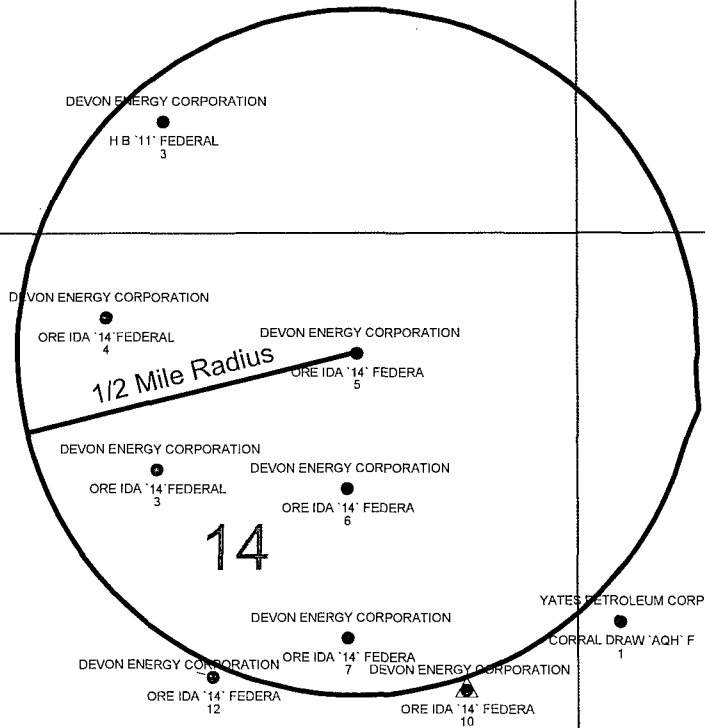
devon
Devon Energy Corp

Ore Ida 14 Federal #5
Sec 14 T24S R29E
935' FNL 1705' FEL

0 1,000
FEET

15 14 13

22 23 24



C108 ITEM VI--Well Tabulation in Review Area																
Devon Energy Production Company, LP																
Proposed Disposal Well: Ore Ida 14 Federal #5																
Operator	Well Name	API NO	County	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	Ore Ida 14 Fed #3	30-015-29042	Eddy	14	24S	29E	Oil	Active	08/08/96	09/10/96	8105	8100	Bone Spring	7798-8002'	13-3/8", 48#, @ 360' 8-5/8", 32#, @ 3079' 5-1/2", 17#, @ 8100'	325 Sx / surface-circulated 1090 Sx / surface-circulated 990 Sx / surface-circulated
Devon Energy Prod Co LP	Ore Ida 14 Fed #4	30-015-28963	Eddy	14	24S	29E	Oil	Active	10/30/96	12/08/96	8350	8308	Bone Spring	7797' - 8064'	13-3/8", 48#, @ 364' 8-5/8", 32#, @ 3080' 5-1/2", 17#, @ 8350'	415 Sx / surface-circulated 325 Sx / surface-circulated 970 Sx / 2700'- CBL
Devon Energy Prod Co LP	Ore Ida 14 Fed #5	30-015-29243	Eddy	14	24S	29E	Oil	TA	11/30/96	03/08/97	8350	6585	Brushy Canyon Bone Spring	6668' - 6704' 7864' - 8141'	13-3/8", 48#, @ 351' 8-5/8", 32#, @ 3117' 5-1/2", 17#, @ 8350'	325 Sx / surface-circulated 1300 Sx / surface-circulated 1036 Sx / 2970'-CBL
Devon Energy Prod Co LP	Ore Ida 14 Fed #6	30-015-29244	Eddy	14	24S	29E	Oil	Active	12/21/96	03/26/97	8350	8304	Bone Spring	7864' - 8152'	13-3/8", 48#, @ 349' 8-5/8", 32#, @ 3102' 5-1/2", 17#, @ 8350'	700 Sx / surface-circulated 1250 Sx / surface-circulated 1390 Sx / 2529'-CBL
Devon Energy Prod Co LP	Ore Ida 14 Fed #7	30-015-29306	Eddy	14	24S	29E	Oil	Active	01/28/97	03/16/97	8354	8303	Bone Spring	7894' - 8115'	13-3/8", 48#, @ 376' 8-5/8", 32#, @ 3124' 5-1/2", 17#, @ 8354'	525 Sx / surface-circulated 1275 Sx / surface-circulated 1050 Sx / 1710'-CBL
Devon Energy Prod Co LP	H B 11 Fed #3	30-015-29249	Eddy	11	24S	29E	Oil	Active	01/21/97	03/06/97	8300	8253	Bone Spring	7958' - 8016'	13-3/8", 48#, @ 385' 8-5/8", 32#, @ 2940' 5-1/2", 15.5# & 17#, @ 8266'	400 Sx / surface-circulated 950 Sx / surface-circulated 920 Sx / 2960'-CBL

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

3. Lease Designation and Serial No.

NM-96222

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Ore Ida 14 Fed. #3

9. API Well No

30-015-29042

10. Field and Pool, or Exploratory Area

E Pierce Crossing BS

11. County or Parish, State

Eddy County, N.M.

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

Penwell Energy, Inc. (915) 683-2534

3. Address and Telephone No.

600 N. Marienfeld, Ste. 1100, Midland, Tx. 79701

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

1830' FNL & 2050' FWL Sec. 14, T24S, R29E

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Spud, Casing
☐ 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.)

8-8-96 Spudded 17 1/2" surface hole @ 12.00 p.m. MST

8-9-96 Ran 8 jts. 13 3/8", 48#, 8rd, STC, new, API csg and set @ 360'.
Cemented w/325 sks. of Cl. C Neet + 2% CaCl₂ mixed @ 14.8 #/gal.
Plug down to 320'. Circulated 34 sx of cmt. to surface.

8-14-96 Ran 77 jts. 8 5/8", 32#, K-55, 8rd, STC, new, API csg. Cemented
w/840 sks. of Cl. "C" Lite + 1/4#/sk. flocele + 1#/sk. gilsonite +
12% salt mixed @ 12.4 #/gal., yield of 2.25 sq. ft/sk. Followed by
250 sks. of Cl. C Neet + 2% CaCl₂ mixed @ 14.8 #/gal. Circ. cmt
to surface. (180 sxs)

8-26-96 Ran 204 jts. 5 1/2" csg., 17#, K-55, 8rd, LTC, new, API. Cmt'd w/
475 sks. of Modified Super H + .4% CFR-3 + 5#/sk. gilsonite + .5%
Halad 344. Plug down to 8057'. Floats held o.k. Circ'd 75 sks.
of cmt. off tool. Circ'd 4 hrs. cmt'd second stage w/440 sks. of Cl.
C Lite + additives. Plug down to 5093'. DV tool closed & held ok.
Circ'd 10 sks. of cmt to surface pit. Released rig.

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

Signed

Brenda Callman

Title

Production Analyst

Date August 29, 1996

(This space for Federal or State office use)

Approved by

Conditions of approval, if any

Title

SEP 25 1996

Date

ORE IDA 14 FEDERAL #5
APPLICATION FOR INJECTION
Form C-108 Section VII to XII

VII Attach data on the proposed operation, including:

- (1) Proposed average injection rate: 1000 BWPD
Proposed maximum injection rate: 2000 BWPD
- (2) The system will be a closed system.
- (3) Proposed average injection pressure: 1000 psi
Proposed max injection pressure: 2000 psi
- (4) The proposed injection fluid is produced water from the Delaware that will be re-injected into the Delaware Bell Canyon zone. No compatability issues are anticipated.
- (5) Attached is a water Analysis of Delaware produced waters similar to what will be injected into Delaware Bell Canyon in the the Ore Ida 14 Federal #5, Item VII 5.

VIII Geologic Injection Zone Data

The proposed injection zone is the Delaware Bell Canyon formation at a depth from 3,182' to 3,490'. The depth to the base of known aquifers is unclear, however the top of the Salado appears to be at 210', indicating fresh waters to be above this. Surface casing was run to 351' and cemented to surface in the Ore Ida 14 Fed #5.

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

Per New Mexico Office of State Engineer no fresh water wells are present in Sections 11, 12,13, and 14 of T24S, R29E.

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 #5
Water Analysis
Delaware Produced Water
Ore Ida 14 Fed 10 Disposal 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:	ARTESIA, NM	Sample #:	403708
Lease/Platform:	ORE IDA '14' FEDERAL	Analysis ID #:	78129
Entity (or well #):	10 SWD	Analysis Cost:	\$80.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 403708 @ 75 °F					
Sampling Date:	12/13/07	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	12/26/07	Chloride:	146451.0	4130.85	Sodium:	66003.6	2871.
Analyst:	STACEY SMITH	Bicarbonate:	98.8	1.62	Magnesium:	3326.0	273.61
		Carbonate:	0.0	0.	Calcium:	18797.0	937.97
TDS (mg/l or g/m3):	237298.4	Sulfate:	322.0	6.7	Strontium:	901.0	20.57
Density (g/cm3, tonne/m3):	1.166	Phosphate:			Barium:	1.5	0.02
Anion/Cation Ratio:	1	Borate:			Iron:	20.0	0.72
		Silicate:			Potassium:	1372.0	35.09
Carbon Dioxide:		Hydrogen Sulfide:			Aluminum:		
Oxygen:		pH at time of sampling:		5.2	Chromium:		
Comments:		pH at time of analysis:			Copper:		
		pH used in Calculation:		5.2	Lead:		
					Manganese:	5.500	0.2
					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	-0.82	0.00	-0.38	0.00	-0.34	0.00	-0.10	0.00	0.21	0.28	3.34
100	0	-0.74	0.00	-0.46	0.00	-0.35	0.00	-0.12	0.00	0.02	0.00	4
120	0	-0.66	0.00	-0.52	0.00	-0.33	0.00	-0.13	0.00	-0.15	0.00	4.63
140	0	-0.57	0.00	-0.57	0.00	-0.29	0.00	-0.12	0.00	-0.29	0.00	5.2

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.

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

Application For Injection in Ore Ida 14 Federal #5
Devon Energy Production Company, LP

Surface Land Owner

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

Certified receipt No.
7007 0710 0001 9808 5096

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 Ore Ida 14 Federal #5.

Date Mailed: 12/28/2007

Signature: Ronnie Slack

Date: 12/28/07

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 Ore Ida 14 Federal #5
Devon Energy Production Company, LP

Leasehold Operators within 1/2 mile of Ore Ida 14 Federal #5

Yates Petroleum Corporation
105 S. 4th
Artesia, NM 88210

Certified receipt No.
7007 0710 0001 9808 5102

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 disposal in the Ore Ida 14 Federal #5.

Date Mailed: 12/28/2007

Signature: Ronnie Slack

Date: 12/28/07

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

November 9, 2007

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:

November 9 2007

That the cost of publication is \$ 49.09 that Payment Thereof has been made and will be assessed as court costs.

April Hernandez

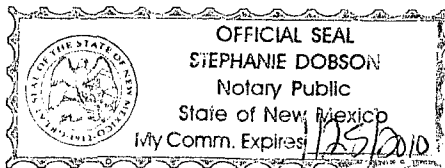
Subscribed and sworn to before me this

9 day of November, 2007

Stephanie Dobson

My commission Expires on 1/25/2010

Notary Public



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 a salt water disposal well. The proposed well, the Ore Ida 14 Federal #5, located 935' FNL & 1705' FEL, Section 14, Township 24 South, Range 29 East, in Eddy County, New Mexico, will be used for salt water disposal. Disposal waters from the Delaware Bell Canyon formation at a depth of 3182-3204, 3214-3234, 3246-3280, 3360-3380 and 3474-3490. A maximum injection rate of 2000 BWPD and maximum injection pressure of 1000 psi is expected.

All interested parties opposing the above 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 96222
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		6. If Indian, Allottee or Tribe Name
3a. Address 20 North Broadway, Ste 1500, Oklahoma City, OK 73102	3b. Phone No. (include area code) 405-552-4615	7. Unit or CA Agreement Name and No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 935 FNL 1705 FEL 14 T24S R29E		8. Well Name and No. Ore Ida 14 Federal #5
		9. API Well No. 30-015-29243
		10. Field and Pool, or Exploratory Area Cedar Canyon 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 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 Ore Ida 14 Federal #5 to SWD in the Delaware Bell Canyon zone from 3,182' to 3,490'. The BLM will be furnished a copy of C108 application when filed with the OCD.

Proposed:

1. RIH & set CIBP @ 3,725'. Dump 35' cement on top.
2. RIH & Perforate Delaware Bell Canyon for SWD @ 3,182' - 3,204'; 3,214' - 3,234'; 3,246' - 3,280'; 3,360' - 3,380'; 3,474' - 3,490'.
3. Acidize w/+/- 5000 gallons 7.5% acid and Frac w/+/-120,000# proppant if necessary.
4. RIH w/2-3/8" IPC tubing & packer. Displace w/ packer fluid. Set packer +/- 3,130'. Conduct MIT.
5. Turn to SWD.

Proposed Schemat attached

14. I hereby certify that the foregoing is true and correct Name: Ronnie Slack	Title Engineering Technician
Signature <i>Ronnie Slack</i>	Date 12/12/2007

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	

SWD Order Number 113 Dates: Division Approved _____ District Approved _____Well Name/Num: ORE IDA 14 FEDERAL #5 Date Spudded: 11/30/96API Num: (30-) 015-29243 County: FOOTFootages 935 FNL/1705 FEL Sec 14 Tsp 24S Rge 29EOperator Name: DEVON Energy Production Company, LP Contact Ronnie SLACKOperator Address: 20 North Broadway, Suite 1500, OKC, OK 73102Current Status of Well: TA SINCE 10/1/05 Planned Work: _____Inj. Tubing Size: 2 3/8

	Hole/Pipe Sizes		Depths	Cement	Top/Method
Surface	<u>17 1/2</u>	<u>13 3/8</u>	<u>351</u>	<u>325</u>	<u>CIRC</u>
Intermediate	<u>12 1/4</u>	<u>8 5/8</u>	<u>3117</u>	<u>1300</u>	<u>CIRC</u>
Production	<u>7 7/8</u>	<u>5 1/2</u>	<u>8350</u>	<u>1036</u>	<u>2970 CBL</u>
Last DV Tool			<u>5428</u>		
Open Hole/Liner					
Plug Back Depth			<u>(TD = 8350)</u>		

Diagrams Included (Y/N): Before Conversion ☒ After Conversion ☒Checks (Y/N): Well File Reviewed ☒ ELogs in Imaging ☒

Intervals:	Depths	Formation	Producing (Yes/No)
<u>Salt Potash</u>	<u>210' TOP</u>		
<u>Capitan Reef</u>	<u>No Patch Area or Reef</u>		
<u>Cliff House, Etc.</u>			
<u>Formation Above</u>			
Top Inj Interval	<u>3182</u>	<u>Ball C.</u>	<u>636</u> PSI Max. WHIP
Bottom Inj Interval	<u>3490</u>		<u>NO</u> Open Hole (Y/N)
Formation Below			<u>NO</u> Deviated Hole (Y/N)

Fresh Water: Depths: _____ Wells(Y/N) None Analysis Included (Y/N): _____ Affirmative Statement ☒Salt Water Analysis: Injection Zone (Y/N/NA) Det Dis/Waters (Y/N/NA) _____ Types: > DetNotice: Newspaper(Y/N) ☒ Surface Owner BLM Mineral Owner(s) _____Other Affected Parties: YatesAOR/Repairs: NumActiveWells 5 Repairs? _____ 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 14 Tsp 24 Rge 29E UIC Form Completed (Y/N) _____New AOR Table Filename _____ Sec 11 Tsp _____ Rge _____ This Form completed _____Conditions of Approval: Sec 13 Tsp _____ Rge _____ Data Request Sent _____Set CBL @ 3725Send COPY of CBL to HallsTest/Swab new Ball C. Porpo?

AOR Required Work: _____

Required Work to this Well: _____