

**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: 333 West Sheridan Avenue, Oklahoma City, Oklahoma 73102-5010  
CONTACT PARTY: Stephanie A. Porter PHONE: 405-552-7802
- 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: Stephanie A. Porter TITLE: Operations Technician  
SIGNATURE: [Signature] DATE: 7/10/2012  
E-MAIL ADDRESS: Stephanie.Porter@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 Distri

Oil Conservation Division  
Case No. 3  
Exhibit No. 3

### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well, with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

**NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.**

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**NOTICE:** Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR: Devon Energy Production Company, LP

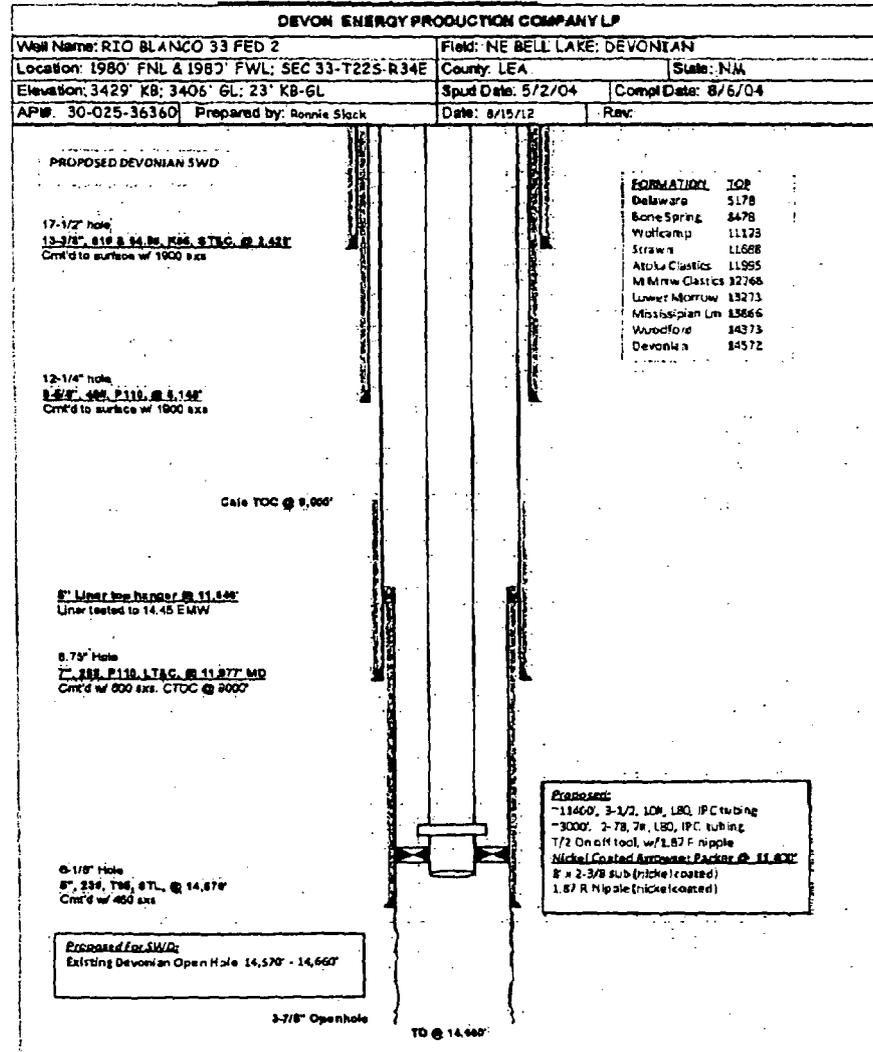
WELL NAME & NUMBER: RIO BLANCO 33 FED #2

WELL LOCATION: 1980' FNL & 1980' FWL F Sec 33 T22S R34E  
 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

**WELLBORE SCHEMATIC**

**WELL CONSTRUCTION DATA**

Surface Casing



Hole Size: 17-1/2" Casing Size: 13-3/8", 61# & 54.5# @ 2428'

Cemented with: 1900 sx. or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: Surface Method Determined: Circ. cement

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8", 40#, @ 5148'

Cemented with: 1900 sx. or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: Surface Method Determined: Circ. cement

Production Casing

Hole Size: 8-3/4" Casing Size: 7", 26#, @ 11977'

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

Top of Cement: 9000' Method Determined: CTOC

Total Depth: 14660' 5" Liner 11646'-14570'

Injection Interval (Open Hole)

14570' to 14660'

(Perforated or Open Hole; indicate which)

5

INJECTION WELL DATA SHEET

Tubing Size: 3-1/2" & 2-7/8" Lining Material: IPC

Type of Packer: 5" Nickel Coated Arrowset Packer

Packer Setting Depth: 11400'

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

Additional Data

1. Is this a new well drilled for injection? No

If no, for what purpose was the well originally drilled? oil & gas producer

2. Name of the Injection Formation: Devonian

3. Name of Field or Pool (if applicable): Bell Lake; Devonian, NE (Gas)

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.

Bell Lake Devonian 14570-14660. (Open hole). Proposed nickel coated arrow set packer @ 11400'

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

Delaware 5178; Bone Spring 8478; Wolfcamp 11173; Strawn 11688; Atoka Clastics 11995; Middle Morrow Clastics 12768; Lower Morrow 13273; Mississippian Lime 13866; Woodford 14373; Devonian 14570

#

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: RIO BLANCO 33 FED 2		Field: NE BELL LAKE; DEVONIAN	
Location: 1980' FNL & 1980' FWL; SEC 33-T22S-R34E		County: LEA	State: NM
Elevation: 3429' KB; 3406' GL; 23' KB-GL		Spud Date: 5/2/04	Compl Date: 8/6/04
API#: 30-025-36360	Prepared by: Ronnie Slack	Date: 8/15/12	Rev:

**PROPOSED DEVONIAN SWD**

17-1/2" hole  
13-3/8" 61# & 54.5# K55, ST&C @ 2,428'  
 Cmt'd to surface w/ 1900 sxs

12-1/4" hole  
9-5/8" 40# P110 @ 5,148'  
 Cmt'd to surface w/ 1900 sxs

Calc TOC @ 9,000'

5" Liner top hanger @ 11,646'  
 Liner tested to 14.45 EMW

8.75" Hole  
7" 26# P110, LT&C @ 11,977' MD  
 Cmt'd w/ 600 sxs, CTOC @ 9000'

6-1/8" Hole  
5" 23# T95, STL @ 14,570'  
 Cmt'd w/ 460 sxs

**Proposed For SWD:**  
 Existing Devonian Open Hole 14,570' - 14,660'

3-7/8" Openhole

TD @ 14,660'

FORMATION	TOP
Delaware	5178
Bone Spring	8478
Wolfcamp	11173
Strawn	11688
Atoka Clastics	11995
M Mrrw Clastics	12768
Lower Morrow	13273
Mississippian Lm	13866
Woodford	14373

**Proposed:**  
 ~11400', 3-1/2, 10#, L80, IPC tubing  
 ~3000', 2-7/8, 7#, L80, IPC tubing  
 T/2 On off tool, w/1.87 F nipple  
Nickel Coated Arrowset Packer @ 11,400'  
 8' x 2-3/8 sub (nickel coated)  
 1.87 R Nipple (nickel coated)

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: RIO BLANCO 33 FED 2		Field: NE BELL LAKE; DEVONIAN	
Location: 1980' FNL & 1980' FWL; SEC 33-T225-R34E		County: LEA	State: NM
Elevation: 3429' KB; 3406' GL; 23' KB-GL		Spud Date: 5/2/04	Compl Date: 8/6/04
API#: 30-025-36360	Prepared by: Ronnie Slack	Date: 8/15/12	Rev:

**CURRENT WELLBORE**

17-1/2" hole  
13-3/8", 61# & 54.5#, K55, ST&C, @ 2,428'  
 Cmt'd to surface w/ 1900 sxs

12-1/4" hole  
9-5/8", 40#, P110, @ 5,148'  
 Cmt'd to surface w/ 1900 sxs

Calc TOC @ 9,000'

5" Liner top hanger @ 11,646'  
 Liner tested to 14.45 EMW

8.75" Hole  
7", 26#, P110, LT&C, @ 11,977' MD  
 Cmt'd w/ 600 sxs. CTOC @ 9000'

6-1/8" Hole  
5", 23#, T95, STL, @ 14,570'  
 Cmt'd w/ 460 sxs

**DEVONIAN**  
 Openhole 14,570' - 14,660'

3-7/8" Openhole

TD @ 14,660'

2% KCI Packer Fluid

**PRODUCTION TUBING**  
 379 Jts 2-7/8", 6.5#, L80, 8RD EUE  
 84 Jts 2-7/8", 6.5#, L80, RTS-8

On / Off Tool  
1.875" F Profile @ 13,896'  
 Arrow Set 1-X Packer @ 13,898'  
 6', 2-3/8" sub  
1.875" R profile (1.82" No Go) @ 13,910'  
 4', 2-3/8" sub  
 W/L Re-entry guide bottom @ 13,915'

Proposed Injection Well: Rio Blanco 33 Fed #2  
API: 30-025-36360  
APPLICATION FOR INJECTION  
Form C-108 Section III

III. Well Data--On Injection Well

A. Injection Well Information

- (1) Lease Rio Blanco 33 Fed  
Well No #2  
Location 1980' FNL & 1980' FWL  
Sec, Twn, Rnge Sec 33-T22S-R34E  
Cnty, State Lea County, NM
- (2) Casing 13-3/8", 61 & 54.5#, K55, STC, @ 2,428'  
Cmt'd w/1900 sx, circ cmt to surf  
9-5/8", 40#, P110, LTC, @ 5,148'  
Cmt'd w/1900, circ cmt to surf  
7", 26#, P110, LTC @ 11,977'  
Cmt'd w/600 sx. CTOC @ 9000'  
5", 23#, T95, STL liner from 11646' to 14570'  
Cmt'd w/460 sx
- (3) Injection Tubing 3-1/2" & 2-7/8" IPC injection tubing
- (4) Packer 5" Nickel Coated Arrowset Packer @ 11400'

B. Other Well Information

- (1) Injection Formation: Devonian  
Field Name: Bell Lake, Devonian, NE (Gas)
- (2) Injection Interval: 14570' - 14660' (open hole)

- (3) Original Purpose of Wellbore:

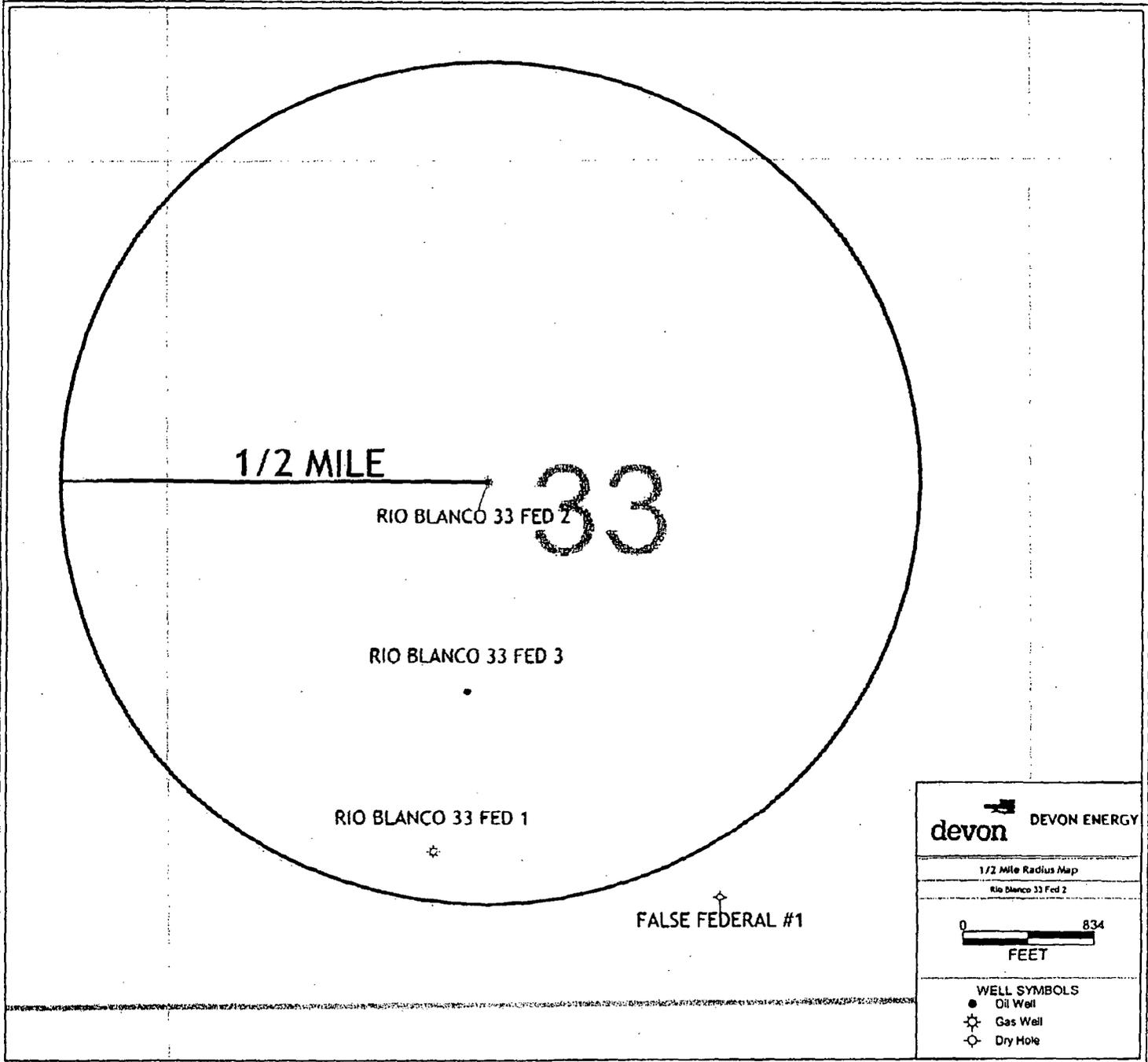
Devonian producer

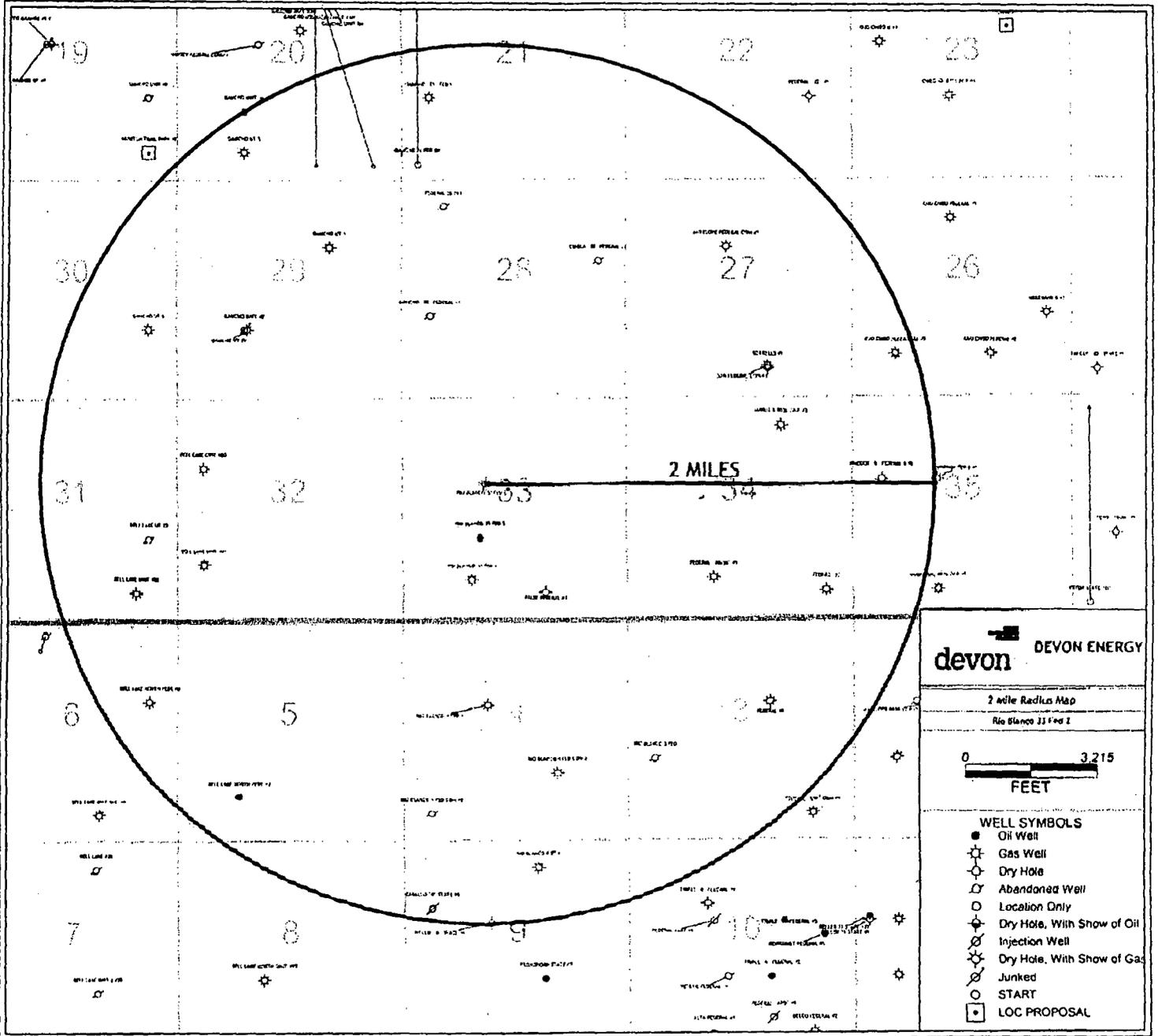
- (4) Other perforated intervals:

Bell Lake Devonian 14570-14660. (Open hole). Proposed nickel coated arrow set packer @ 11400'

- (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.

Delaware 5178; Bone Spring 8478; Wolfcamp 11173; Strawn 11688; Atoka Clastics 11995; Middle Morrow Clastics 12768; Lower Morrow 13273; Mississippian Lime 13866; Woodford 14373; Devonian 14570





PETRA 8/12/2012 4:22:33 PM

**Proposed Injection Well: Rio Blanco 33 Fed #2**

API: 30-025-36360

**APPLICATION FOR INJECTION**

Form C-108 Section VII to XIII

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

- (1) Proposed average injection rate: 2000 BWPD  
Proposed maximum injection rate: 5000 BWPD
- (2) The system will be a closed system.
- (3) Proposed average injection pressure: 2000 psi  
Proposed max injection pressure: 2920 psi
- (4) The injection fluid will be produced water from area wells producing from the Delaware and Bone Spring formations that will be injected into the Bell Lake Devonian formation.
- (5) A representative water analysis is submitted for the Devonian formation.

**VIII Geologic Injection Zone Data**

The injection zone is the Bell Lake Devonian formation from 14570' to 14660'. The gross injection interval is 90' thick. The Bell Lake Devonian formation is a Permian aged sandstone. The average depth to fresh water is 125' in this area.

**IX Proposed Stimulation**

Based on injectivity results this interval could be frac stimulated.

**X Log Data**

Logs have previously been submitted to the OCD.

**XI Fresh Water Analysis**

Attached is a fresh water analysis for a fresh water well drilled in Section 33-T22S-R34E on Bill Angel's property within 1 mile of the proposed SWD location.

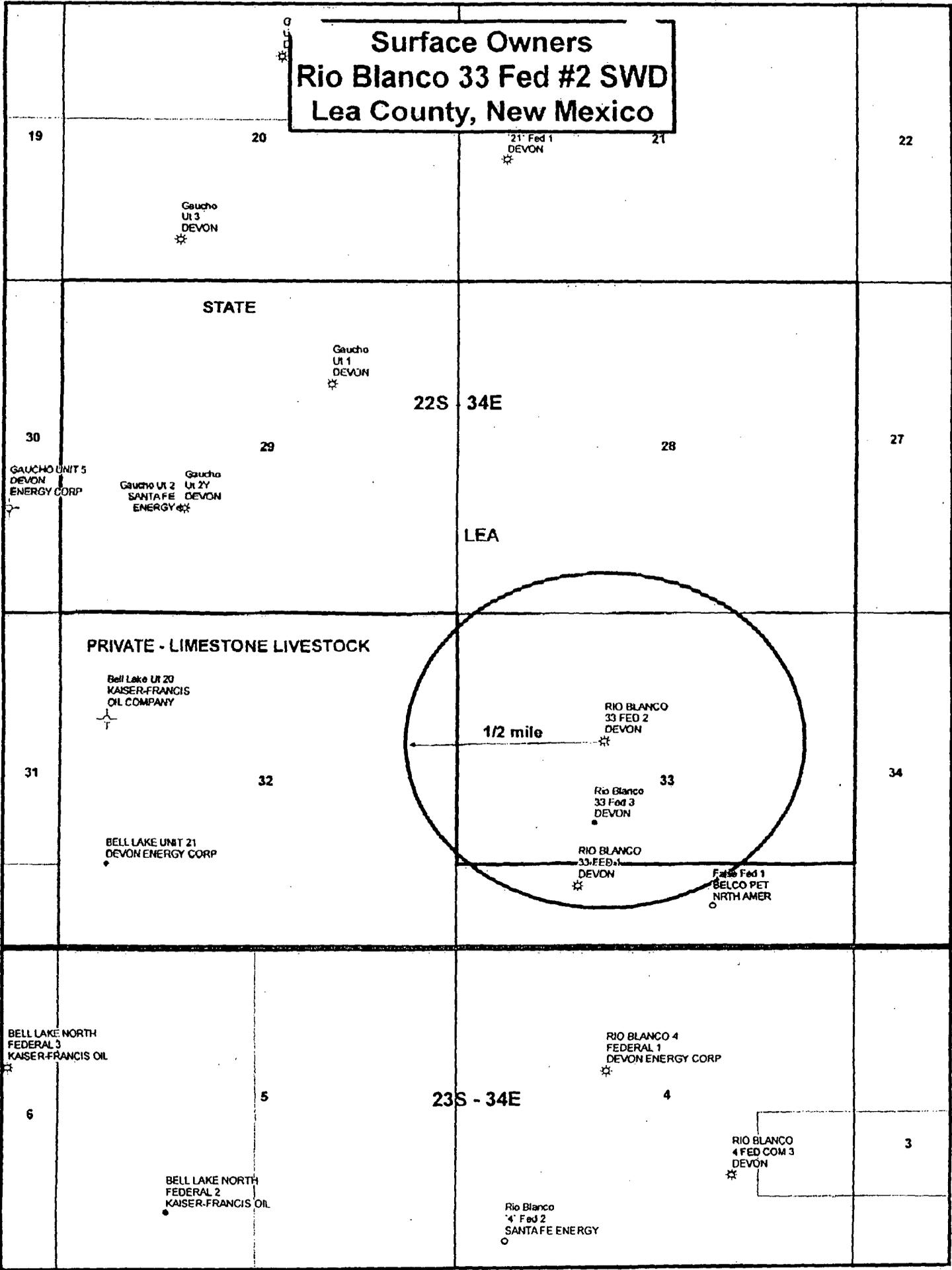
**XII Geologic / Engineering Statement**

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.

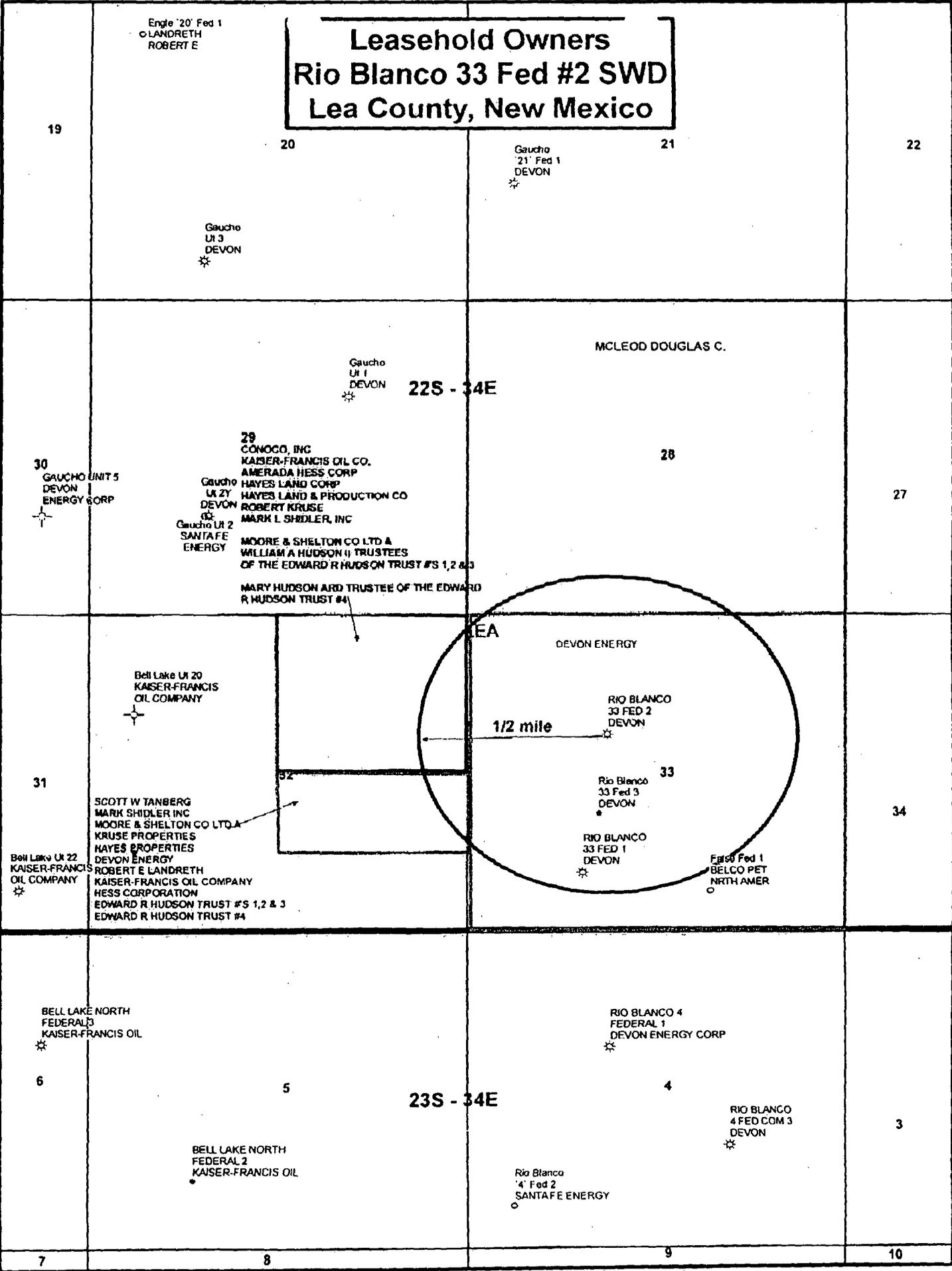
**XIII Proof of Notice**

Proof of notice to surface owner, and public legal notification are attached.

**Surface Owners  
Rio Blanco 33 Fed #2 SWD  
Lea County, New Mexico**



# Leasehold Owners Rio Blanco 33 Fed #2 SWD Lea County, New Mexico



**Leasehold Ownership**  
**½ mile Rio Blanco 33 Fed #2**

**22S-34E Section 33: NE, N2SE, SESE**

1. Devon Energy Prod. CO LP			
20 N Broadway	Oklahoma City	OK	73102-0000

**22S-34E Section 33: W2, SWSE**

1. Devon Energy Prod CO LP ( Record Title)			
20 N Broadway	Oklahoma City	OK	73102-0000

**22S-34E Section 28: All**

1. Mcleod Douglas C. (Record Title )			
PO Box 18481	Denver	CO	80218-0000

**22S-34E Section 32: NE/4**

**APU**

Conoco, Inc.	.1248559
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Kaiser-Francis Oil Co.	.5903984
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Amerada Hess Corp.	.1248329
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Hayes Land Corp.	.0279350
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Hayes Land & Production Co.	.0279350
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Robert Kruse	.0279350
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Mark L. Shidler, Inc.	.0279350
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Moore & Shelton Co. LTD	.0125668
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Edward R. Hudson, Jr. & William A. Hudson II trustees Of the Edward R. Hudson Trust #'s 1,2,&3	.0267045
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Mary Hudson Ard trustee of the Edward R. Hudson Trust # 4	<u>.0089015</u>
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Total: 1.000000

**Leasehold Ownership**  
**½ mile Rio Blanco 33 Fed # 2**

**22S-34E Sec 32: N2, N2SE, SW**

1. Scott W. Tanberg 2502 Keswick	Midland	TX	79705-0000
2. Mark L. Shidler Inc. 1313 Campbell Rd Bldg. D	Houston	TX	77055-0000
3. Moore & Shelton Co. LTD A Texas LTD Partnership P.O. Box 3070	Galveston	TX	77552-0000
4. Kruse Properties P.O. Box 327	Key West	FL	33040-0000
5. Hayes Properties, Inc. P.O. Box 51510	Midland	TX	79710-1510
6. Devon Energy 20 N. Broadway	OKC	OK	73102-0000
7. Robert E. Landreth 110 W. Louisiana STE 404	Midland	TX	79701-0000
8. Kaiser-Francis Oil Company P.O. Box 21468 P.O. Box 21468	Tulsa	OK	74121-1468
9. Hess Corporation P.O. Box 2040	Houston	TX	77252-2040
10. Edward R. Hudson Trusts 1-3 616 Texas Street	Fort Worth	TX	76102-0000
11. Edward R. Hudson Trust 4 Mary T. Hudson Ard Trustee 222 W. 4 <sup>th</sup> Street PH 5	Fort Worth	TX	76102-0000

Section XIV--Proof of Notice to Leasehold Operators  
Devon Energy Prod Co LP  
C108 Application For Injection  
Proposed Well: RIO BLANCO 33 FED 2

Proof of Notice to Leasehold Operators within 1/2 mile of Rio Blanco 33 Fed #2

Conoco Phillips P.O. Box 7500 Bartlesville, OK 74005-7500	Certified receipt No. 7008 1830 0002 7421 9130
McLeod Douglas C P.O. Box 18481 Denver, Colorado 80218-0000	Certified receipt No. 7008 1830 0002 7421 9109
Scott W. Tanberg 2502 Keswick Midland, Texas 79705-0000	Certified receipt No. 7008 1830 0002 7421 9116
Mark L. Shidler Inc. 1313 Campbell Rd. Bldg D Houston, Texas 77055-0000	Certified receipt No. 7008 1830 0002 7421 9178
Moore & Shelton Co LTD A Texas LTD Partnership P.O. Box 3070 Galveston, Texas 77552-0000	Certified receipt No. 7008 1830 0002 7421 9185
Kruse Properties P.O. Box 327 Key West, Florida 33040-0000	Certified receipt No. 7008 1830 0002 7421 9192
Hayes Properties P.O. Box 51510 Midland, Texas 79710-1510	Certified receipt No. 7008 1830 0002 7421 9208
Robert E. Landreth 110 W. Louisiana STE 404 Midland, Texas 79701-0000	Certified receipt No. 7008 1830 0002 7421 9215
Kaiser-Francis Oil Company P.O. Box 21468 Tulsa, OK 74121-1468	Certified receipt No. 7008 1830 0002 7421 9222
Hess Corporation P.O. Box 2040 Houston, Texas 77252-2040	Certified receipt No. 7008 1830 0002 7421 9239
Edward R. Hudson Trusts 1-3 616 Texas Street Fort Worth, Texas 76102-0000	Certified receipt No. 7008 1830 0002 7421 9246
Edward R. Hudson Trust 4 Mary T. Hudson Ard Trustee 222 W. 4 <sup>th</sup> Street PH 5 Fort Worth, Texas 76102-0000	Certified receipt No. 7008 1830 0002 7421 9253
Bureau of Land Management* Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220	Certified receipt No. 7008 1830 0002 7421 9260

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 Rio Blanco 33 Fed #2.

\* Includes Mineral (BLM)

Date Mailed:

Signature:

Stephanie A. Porter, Operations Technician  
Devon Energy Production Co., L.P.  
333 West Sheridan Avenue  
Oklahoma City, OK 73102

Date:

Section XIV--Proof of Notice to Surface Land Owner  
Devon Energy Prod Co LP  
C108 Application For Injection  
Proposed Well: RIO BLANCO 33 FED 2

Proof of Notice to Surface Land Owner of well location site.

New Mexico State Land Office  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501

Certified receipt No.  
7008 1830 0002 7421 9123

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 Rio Blanco 33 Fed #2.

Date Mailed: 9/10/2012

Signature: 

Date: 9/10/2012

Stephanie A. Porter, Operations Technician  
Devon Energy Production Co., L.P.  
333 West Sheridan Avenue  
Oklahoma City, OK 73102

C108 ITEM VI-Well Tabulation In 1/2 Mile Review Area

Devon Energy Production Company, LP

Proposed Inj Well: RIO BLANCO 33 FED 2

Proposed Formation: DEVONIAN

Proposed Interval: 14570' - 14660'

Operator	Well Name	API NO	County	Surf Location	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	Rio Blanco 33 Fed 2	30-025-36360	Lea	1980 FNL 1980 FWL	33	22S	34E	Oil	Act	5/2/04	8/6/04	14660	14660	Devonian	14570-14660 (open hole)	13-3/8", 61 & 54.5# @ 2428' 9-5/8", 40# @ 5148' 7" 26# @ 11977' 5", 23.2# liner 11646-14570	1900 sx / surface 1900 sx / surface 600 sx / 9000-etc 460 sx / liner top
Devon Energy Prod Co LP	Rio Blanco 33 Fed 1	30-025-36359	Lea	1000' FSL 1620' FWL	33	22S	34E	Oil	Act	9/20/03	3/8/04	14682	14682	Devonian	14486-14682 (open hole)	20", 106#, @ 1764' 13-3/8", 66#, @ 5135' 9-5/8", 53.5#, @ 11980 7 5/8", 38#, @ 14497	3405 sx / surface 2700 sx / surface 1320 sx / 7500-etc 360 sx / liner top
Devon Energy Prod Co LP	Rio Blanco 33 Fed 3	30-025-37860	Lea	1980' FSL 1830' FWL	33	22S	34E	Oil	Act	2/1/07	4/25/07	8600	8497	Delaware	6872-8456 (open)	13-3/8", 61#, @ 2200' 8-5/8", 32#, @ 5155 7 7/8", 15.5/17#, @ 8600	1450 sx / surface 2015 sx / surface 620 sx / 4040-cbl

# Affidavit of Publication

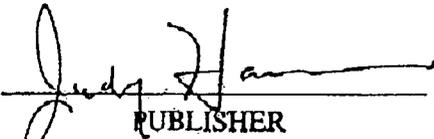
State of New Mexico,  
County of Lea.

I, JUDY HANNA  
PUBLISHER

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

of 1 issue(s).

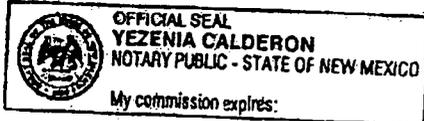
Beginning with the issue dated  
June 15, 2012  
and ending with the issue dated  
June 15, 2012

  
PUBLISHER

Sworn and subscribed to before me  
this 15th day of  
June, 2012

  
Notary Public

My commission expires  
February 28, 2016  
(Seal)



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

## LEGAL NOTICE JUNE 15, 2012

Devon Energy Production Company, LP, 333 West Sheridan Avenue, Oklahoma City, OK 73102-8260 has filed form O-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well, the Rio Blanco 33 Fed #2, is located 1960' ENL & 1990' FWL, Section 33, Township 22 South, Range 34 East, in Lea County, New Mexico. Disposal water will be sourced from area wells producing from the Delaware and Bone Spring formations. The disposal water will be injected into the Devonian formation at a depth of 14570' to 14660' open hole, at a maximum surface pressure of 2620 psi and a maximum rate of 5000 BWPD. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, within (15) days of this notice. Any interested party with questions or comments may contact Jimmy Turniri at Devon Energy Corporation, 333 West Sheridan Avenue, Oklahoma City, OK 73102-8260, or call (405) 228-4479.  
#27403

67106734                      00094777  
ATTN: DVNOKC98  
DEVON ENERGY - ATTN: DVNOKC98  
P O BOX 3198  
OKLAHOMA CITY, OK 73101-3198

**Rio Blanco 33 Fed #2  
C108 Application for Injection  
Fresh Water Analysis Report  
Avalon Shale Formation  
Devon Energy Production Co LP**

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:	33521.1
Region:	PERMIAN BASIN	Account Manager:	GENE ROGERS (575) 910-1022
Area:	ARTESIA, NM	Sample #:	535126
Lease/Platform:	BILL ANGEL	Analysis ID #:	123841
Entity (or well #):	WATER WELL	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

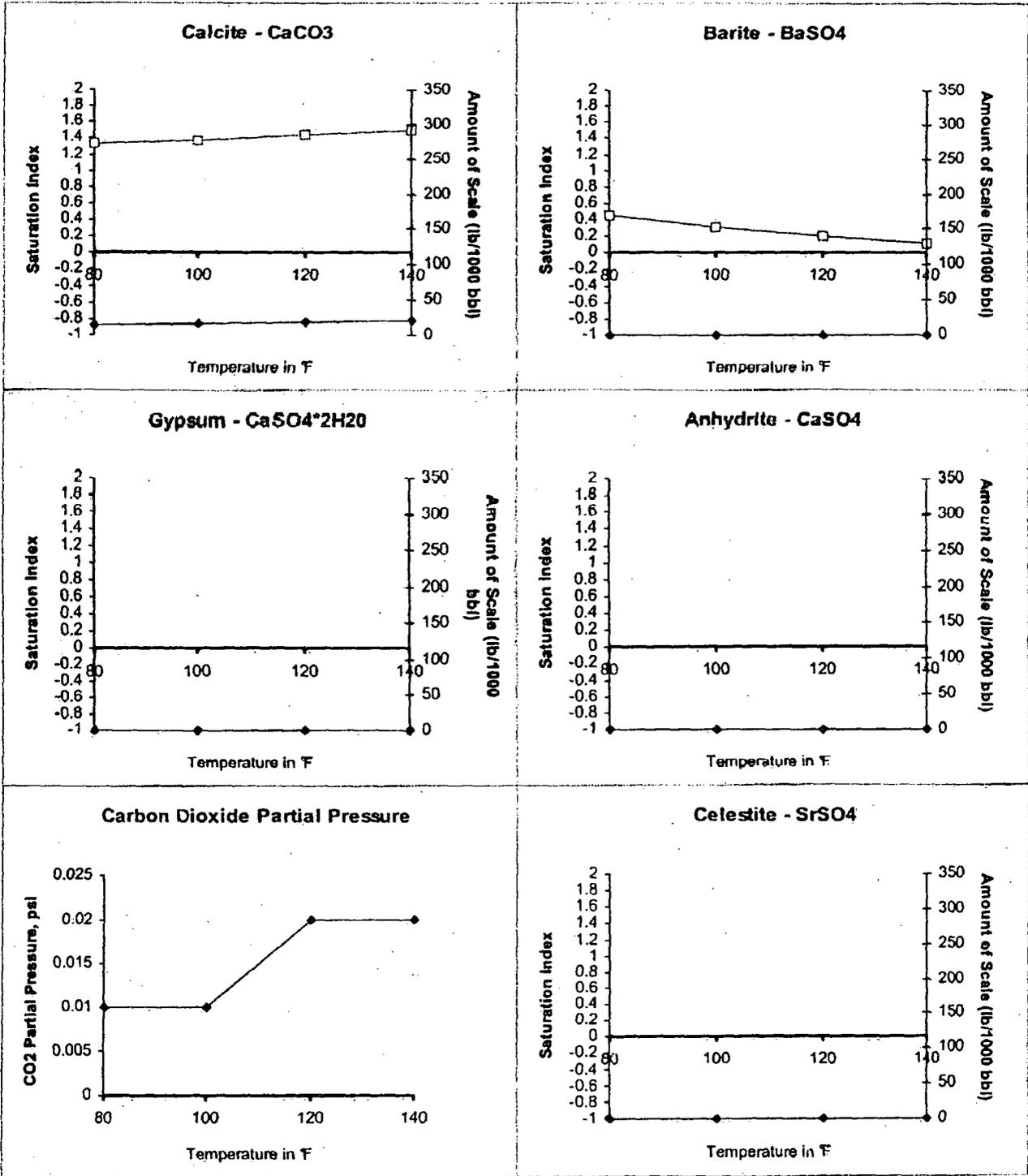
Summary		Analysis of Sample 535126 @ 75 °F											
		Anions		mg/l		meq/l		Cations		mg/l		meq/l	
Sampling Date:	08/16/12	Chloride:	41.0	1.16	Sodium:	17.0	0.74						
Analysis Date:	09/04/12	Bicarbonate:	207.4	3.4	Magnesium:	28.0	2.3						
Analyst:	JENNIFER HARDELL	Carbonate:	0.0	0	Calcium:	85.0	4.24						
TDS (mg/l or g/m3):	529.6	Sulfate:	142.0	2.96	Strontium:	2.5	0.06						
Density (g/cm3, tonne/m3):	1.001	Phosphate:			Barium:	0.1	0						
Anion/Cation Ratio:	1.0000022	Borate:			Iron:	0.1	0						
Carbon Dioxide:	1 PPM	Silicate:			Potassium:	6.5	0.17						
Oxygen:		Hydrogen Sulfide:		0	Aluminum:								
Comments:		pH at time of sampling:		8.7	Chromium:								
		pH at time of analysis:			Copper:								
		pH used in Calculation:		8.7	Lead:								
					Manganese:	0.025	0						
					Nickel:								

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
80	0	1.34	14.71	-1.44	0.00	-1.51	0.00	-1.26	0.00	0.45	0.00	0.01
100	0	1.38	16.47	-1.44	0.00	-1.44	0.00	-1.24	0.00	0.31	0.00	0.01
120	0	1.44	18.92	-1.42	0.00	-1.35	0.00	-1.20	0.00	0.20	0.00	0.02
140	0	1.50	21.37	-1.40	0.00	-1.23	0.00	-1.16	0.00	0.12	0.00	0.02

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 CO<sub>2</sub> pressure is actually the calculated CO<sub>2</sub> fugacity. It is usually nearly the same as the CO<sub>2</sub> partial pressure.

# Scale Predictions from Baker Petrolite

Analysis of Sample 535126 @ 75 F for DEVON ENERGY CORPORATION, 09/04/12



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.*

5. Lease Serial No.  
NMNM 100864

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
Rio Blanco 33 Fed 2

9. API Well No.  
30-025-36360

10. Field and Pool or Exploratory Area  
Bell Lake; Devonian, NE (Gas) 97328

11. Country or Parish, State  
Lea County, NM

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
Devon Energy Production Co., LP

3a. Address  
20 North Broadway  
OKC, OK 73102

3b. Phone No. (include area code)  
(405)-552-7802

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SE1/4 1980' FNL & 1980' FWL  
Sec 33-T22S-R34E

**12. CHECK THE 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	

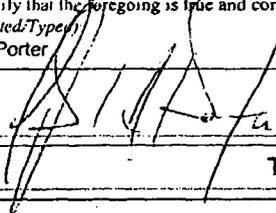
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

PROPOSED SWD CONVERSION: Devon is filing Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division in Santa Fe, New Mexico. Proposed SWD conversion is in the existing Devonian formation (open hole from 14,570' - 14,660').

- MIRU. Establish injection in existing Devonian open hole formation interval from 14,570 -14653', not to exceed maximum authorized surface injection pressure per C-108.
- Stimulate Devonian formation, if necessary.
- Run MIT test and chart. File MIT w/OCD.
- Initiate and evaluate injection in Devonian formation using existing 2 7/8", L-80 production tubulars and Arrowset packer @ 14,500'.
- Replace as warranted current 2 7/8" production tubulars with mixed string of 3-1/2" x 2-7/8" IPC injection tubing and 5" nickel coated packer @ +/- 14,400'.
- Run MIT test and chart. File MIT with OCD office.
- Return well to injection service.

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

Name (Printed/Typed) Stephanie A. Porter Title Operations Technician

Signature  Date 09/10/2012

**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 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.

(Instructions on page 2)