

ABOVE THIS LINE FOR DIVISION USE ONLY

*Protested
By OXI*

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 _____

*30-015-27106
 Todd 27P Fed #16
 Devon Energy
 Delaware Mtn Gp;
 Cherry & Bell
 Canyon*

2013 SEP -5 A 10:40
 RECEIVED

- [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

*Reinstated on
 Nov. 11*

OXI withdrew - interval now

[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.

Stephanie A. Porter
 Print or Type Name

Signature

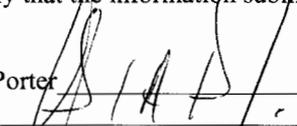
Operations Technician
 Title

Date

Stephanie.Porter@dvn.com
 e-mail Address

9/24/2013

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:
- Proposed average and maximum daily rate and volume of fluids to be injected;
 - Whether the system is open or closed;
 - Proposed average and maximum injection pressure;
 - Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 - 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: _____  _____ DATE: _____ 07/04/03 _____
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: _____

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

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

Type of Packer: 5-1/2" Nickel Coated Arrowset Packer

Packer Setting Depth: ~~4425'~~ 4650 minimum

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/SWD injection

2. Name of the Injection Formation: Delaware; Bell & Cherry Canyon

3. Name of Field or Pool (if applicable): (to be assigned)

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: 4694-5088, 7962-8046 & 8102-8164

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

Rustler Surface 666; Top Salt 986 (Barren); Base Salt 4154 (Barren); Delaware 4354 (Oil); Cherry Canyon 5507 (Oil); Brushy Canyon 6930 (Oil); Bone Spring 8214 (Oil)

Proposed Injection Well: Todd 27P Federal #16

API: 30-015-27106

APPLICATION FOR INJECTION

Form C-108 Section III

III. Well Data--On Injection Well

A. Injection Well Information

- (1) **Lease** Todd 27P Federal
Well No #16
Location 330' FSL & 330' FEL
Sec, Twn, Rnge Sec 27-T23S-R31E
Cnty, State Eddy County, NM

- (2) **Casing** 13-3/8", 48#, WC40, @ 849'
Cmt'd w/650, circ cmt to surf

8-5/8", 32#, WC50, @ 4350'
Cmt'd w/2200, circ cmt to surf

5-1/2", 15.5 & 17#, K-55 @ 8328'
Cmt'd w/1150, calc ROC 2500'

- (3) **Injection Tubing** 2-3/8" IPC injection tubing

- (4) **Packer** 5 1/2" Nickel Coated Arrowset Packer @ 4425'

1982 CBL
run
Foot Quality
CBL based on record

B. Other Well Information

- (1) **Injection Formation:** Delaware; Bell & Cherry Canyon
Field Name: (To Be Assigned)
4750

- (2) **Injection Interval:** *4750* - 5720' (perforated)

(3) **Original Purpose of Wellbore:**

Oil & Gas Producer, SWD Injection

(4) **Other perforated intervals:**

Delaware: 4694-5088, 7962-8046 & 8102-8164

(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.**

Rustler Surface 666; Top Salt 986 (Barren); Base Salt 4154 (Barren); Delaware 4354 (Oil); Cherry Canyon 5507 (Oil); Brushy Canyon 6930 (Oil); Bone Spring 8214 (Oil)

Proposed Injection Well: Todd 27P Federal #16

API: 30-015-27106

APPLICATION FOR INJECTION

Form C-108 Section VII to XIII

VII Attach data on the proposed operation, including:

- (1) Proposed average injection rate: 5000 BWPD
Proposed maximum injection rate: 10000 BWPD
- (2) The system will be a closed system.
- (3) Proposed average injection pressure: 445 psi
Proposed max injection pressure: 890 psi
- (4) The injection fluid will be produced water from area wells producing from the Delaware formation that will be injected into the Bell & Cherry Canyon formation.
- (5) Representative produced water analysis are submitted for the Delaware formation.

VIII Geologic Injection Zone Data

The injection zone is the Bell & Canyon formation from 4450' to 5720'. The gross injection interval is 1270' thick. The Delaware formation formation is a Permian aged sandstone. The average depth to fresh water is above 800' in this area.

IX Proposed Stimulation

Based on injectivity results this interval could be acid stimulated.

X Log Data

Logs will be submitted with completion report.

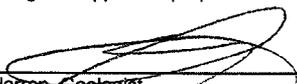
XI Fresh Water Analysis

No water wells found on the Office of the State Engineer's website.

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.

See geological support for proposed recommended perforations.



Craig Harran, Geologist
Direct #: (405)-228-7711
Cell #: (405)-626-2369

10/24/13
Date:

XIII Proof of Notice

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

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.
NM-NM0418220-A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other SWD

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

3a. Address
333 West Sheridan Avenue
OKC, OK 73102

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 27-T23S-R31E
330' FSL & 330' FEL

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

8. Well Name and No.
Todd 27P Federal 16

9. API Well No.
30-015-27106

10. Field and Pool or Exploratory Area
Ingle Wells; Delaware

11. Country or Parish, State
Eddy County, NM

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 checked="" 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 Delaware; Bell & Cherry Canyon formation (perforated from 4,450' - 5,720').

- MIRU. Establish injection in Delaware perforated interval from 4,550 - 4,560', not to exceed maximum authorized surface injection pressure per C-108.
- POH 2-3/8" IPC injection string
- RIH perf guns, perf intervals 4450'-4560', 5350'-5365', 5530'-5640' 5660'-5720'; 4SPF, 90 degree phasing, total 118 shots.
- Stimulate Delaware formation, if necessary. RU acid crew, spot acid and mutual solvent over perf interval, pump into perfs at 1 bpm. Let acid solvent mix soak for 30 min. Pump 10,000 gal 15% HCl acid job into perfs with 1,000 lbs rock salt as diverter.
- RIH, initiate and evaluate injection in Delaware formation using existing 2 3/8" production tubing and Arrowset packer.
- Replace as warranted current 2 3/8 IPC injection tubing and 5 1/2" nickel coated packer @ +/- 4,425'
- Run MIT test and chart. File MIT with BLM/OCD office.
- NU injection tree and resume injection.



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

Name (Printed/Typed)
Stephanie A. Porter

Title Operations Technician

Signature *[Handwritten Signature]*

Date 1/17/13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

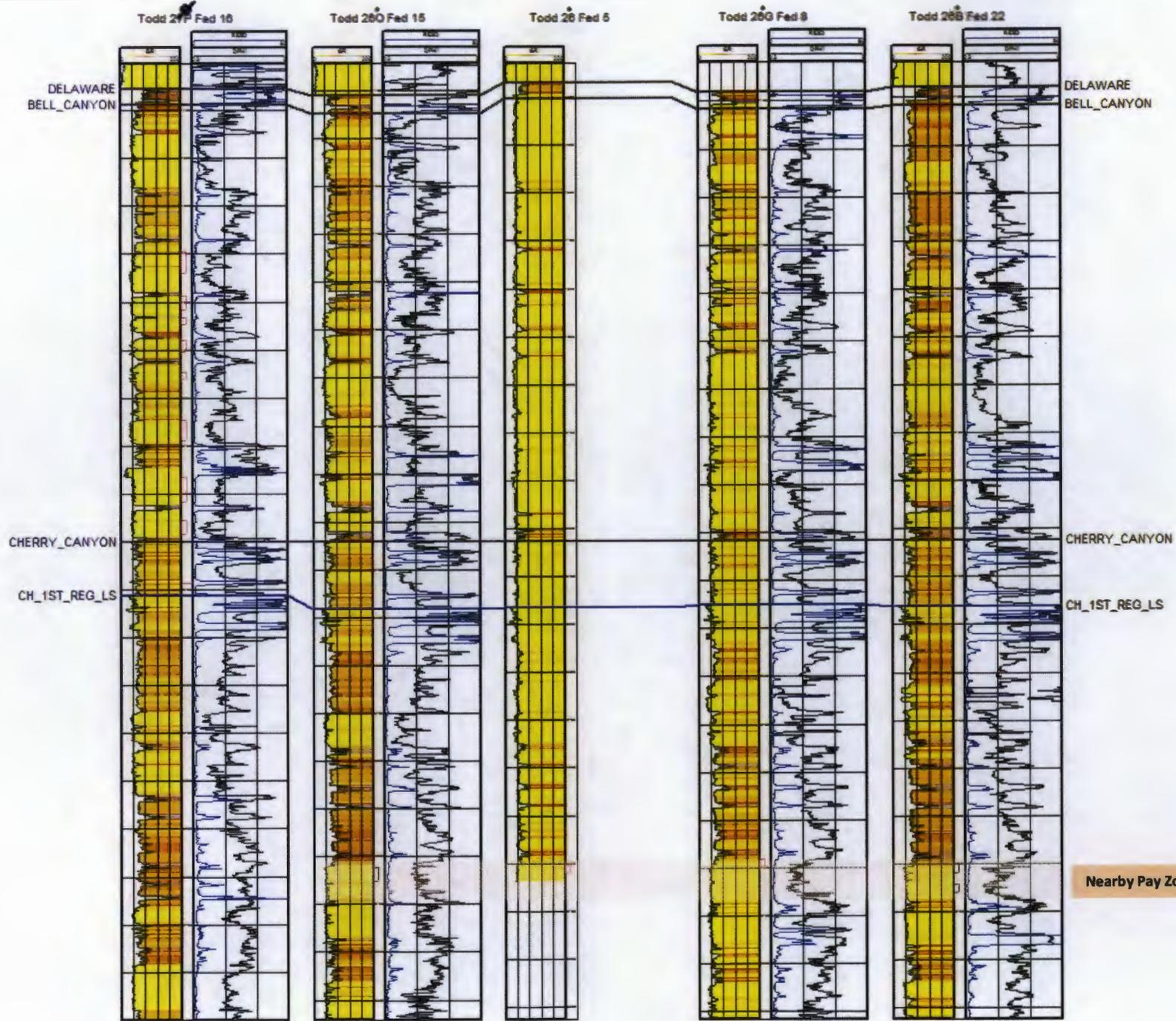
Approved by _____

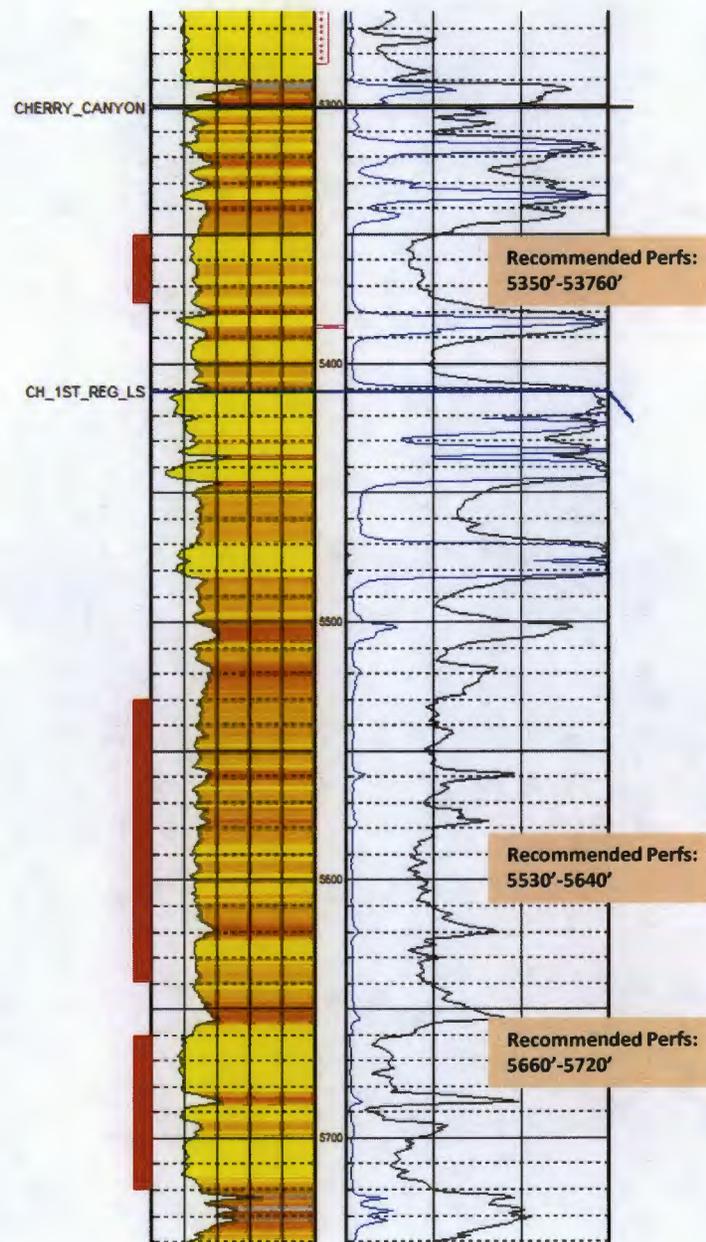
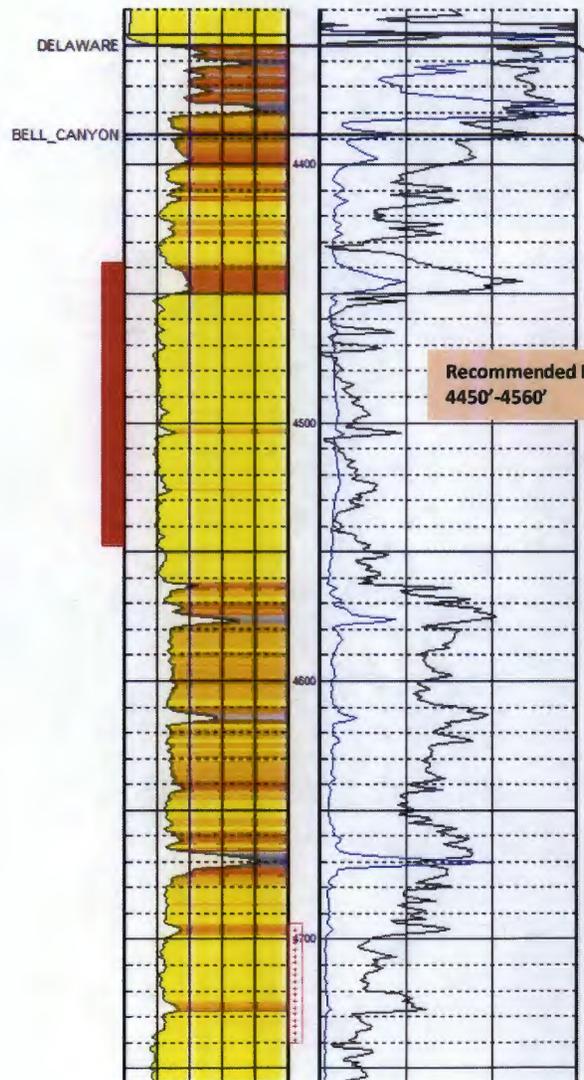
Title _____ Date _____

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.





DEVON ENERGY PRODUCTION COMPANY LP

Well Name: TODD 27P FEDERAL #16		Field: INGLE WELLS	
Location: 330' FSL & 330' FEL; SEC 27-T23S-R31E		County: EDDY	State: NM
Elevation: 3471' KB; 3452 GL; 19' KB to GL		Spud Date: 11/5/92	Compl Date: 1/7/93
API#: 30-015-27106	Prepared by: Ronie Slack	Date: 4/9/13	Rev:

CURRENT WELLBORE

Formation	Top
Rustler	666
Top Salt	986
Base Salt	4154
Delaware	4354
Cherry Canyon	5507
Brushy Canyon	6930
Bone Springs	8214

17-1/2" hole
13-3/8", 48#, WC40, @ 849'
 Cmt'd w/650 sx to surface

11" Hole
8-5/8", 32#, WC50, @ 4,350'
 Cmt'd w/2200 sx to surface

Converted to SWD - 10/30/97
BELL CANYON INJ PERFS

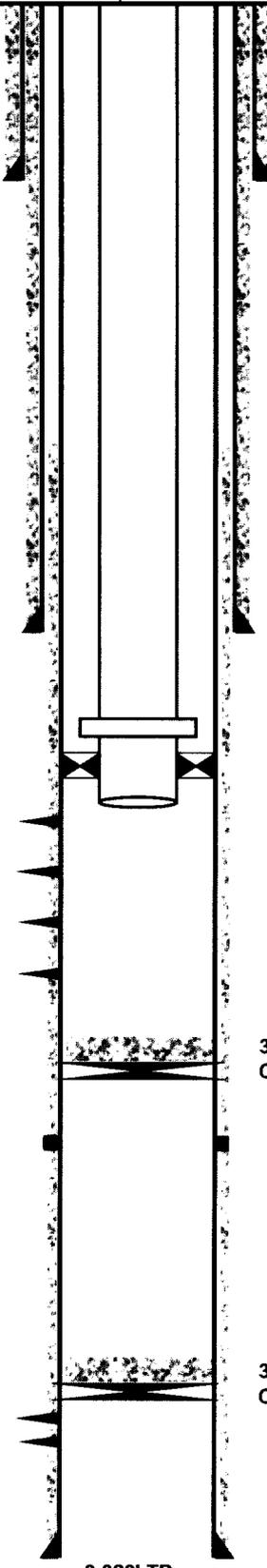
- 4,694' - 4,740'; 4,788' - 4,816'
- 4,832' - 4,846'; 4,880' - 4,904'
- 4,946' - 4,960'; 5,046' - 5088'
- 5,164' - 5,216'; 5,254' - 5,284'

①
 soft
 cmt

DV Tool @ 5,712'

DELAWARE
 7,962' - 8,046' (12/18/92)
 8,102' - 8,164' (12/13/92)

7-7/8" Hole
5-1/2", 15.5# & 17#, K55, @ 8,328'
 Cmt'd w/1150 sx, ETOC @ 2500'



8,328' TD

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: TODD 27P FEDERAL #16		Field: INGLE WELLS	
Location: 330' FSL & 330' FEL; SEC 27-T23S-R31E		County: EDDY	State: NM
Elevation: 3471' KB; 3452' GL; 19' KB to GL		Spud Date: 11/5/92	Compl Date: 1/7/93
API#: 30-015-27106	Prepared by: Ronie Slack	Date: 4/9/13	Rev: 7/25/13

PROPOSED WELLBORE

17-1/2" hole
13-3/8", 48#, WC40, @ 849'
 Cmt'd w/650 sx to surface

Converted to SWD 10/30/97
Aministrative Order SWD -676
BELL CANYON INJ PERFS

'4,694' - 4,740'; 4,788' - 4,816'
 '4,832' - 4,846'; 4,880' - 4,904'
 '4,946' - 4,960'; 5,046' - 5,088'

11" Hole
8-5/8", 32#, WC50, @ 4,350'
 Cmt'd w/2200 sx to surface

PROPOSED CHERRY & BELL CANYON INJ PERFS

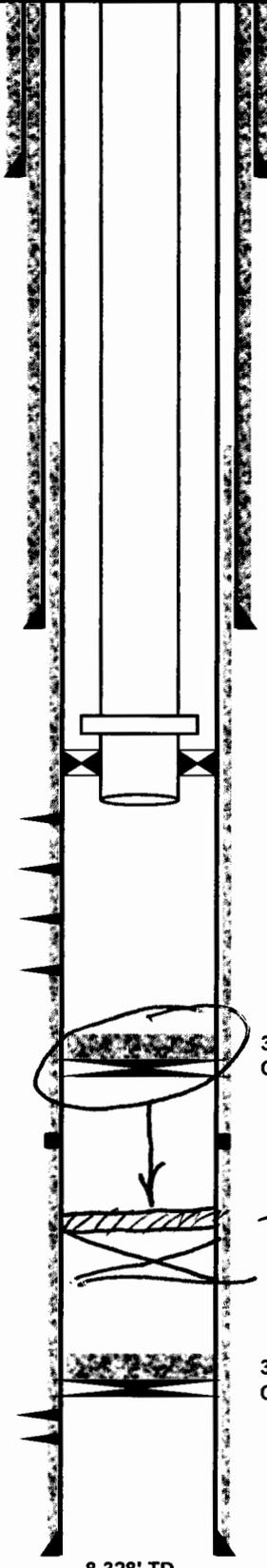
Squid Cmt

~~4,450' - 4,560'~~
 5,350' - 5,365'
 5,530' - 5,640'
 5,660' - 5,720'

①

DELAWARE
 7,962' - 8,046' (12/18/92)
 8,102' - 8,164' (12/13/92)

7-7/8" Hole
5-1/2", 15.5# & 17#, K55, @ 8,328'
 Cmt'd w/1150 sx, ETOC @ 2500'



Formation	Top
Rustler	666
Top Salt	986
Base Salt	4154
Delaware	4354
Cherry Canyon	5507
Brushy Canyon	6930
Bone Springs	8214

PROPOSED CONVERSION:

POH 2-3/8" IPC injection string. RIH perf guns, perf intervals 4450'-4560', 5350'-5365, 5530'-5640' 5660'-5720'. RU acid crew, spot acid and mutual solvent over perf interval, pump into perfs at 1 bpm. Let acid solvent mix soak for 30 min. Pump 10,000 gal 15% HCl acid job into perfs with 1,000 lbs rock salt as diverter. RIH 2-3/8" IPC injection string with nickel coated packer. Set packer at 4,425'. Perform step rate test to establish injection rates and pressures. NU injection tree and resume injection.

140 Jts; 2-3/8", 6.4#, J55, IPC Inj Tubing

5 1/2" pkr @ 4,425'

35' Cement; 5,350' PBD
 CIBP @ 5,385'

② move CIBP

DV Tool @ 5,712'

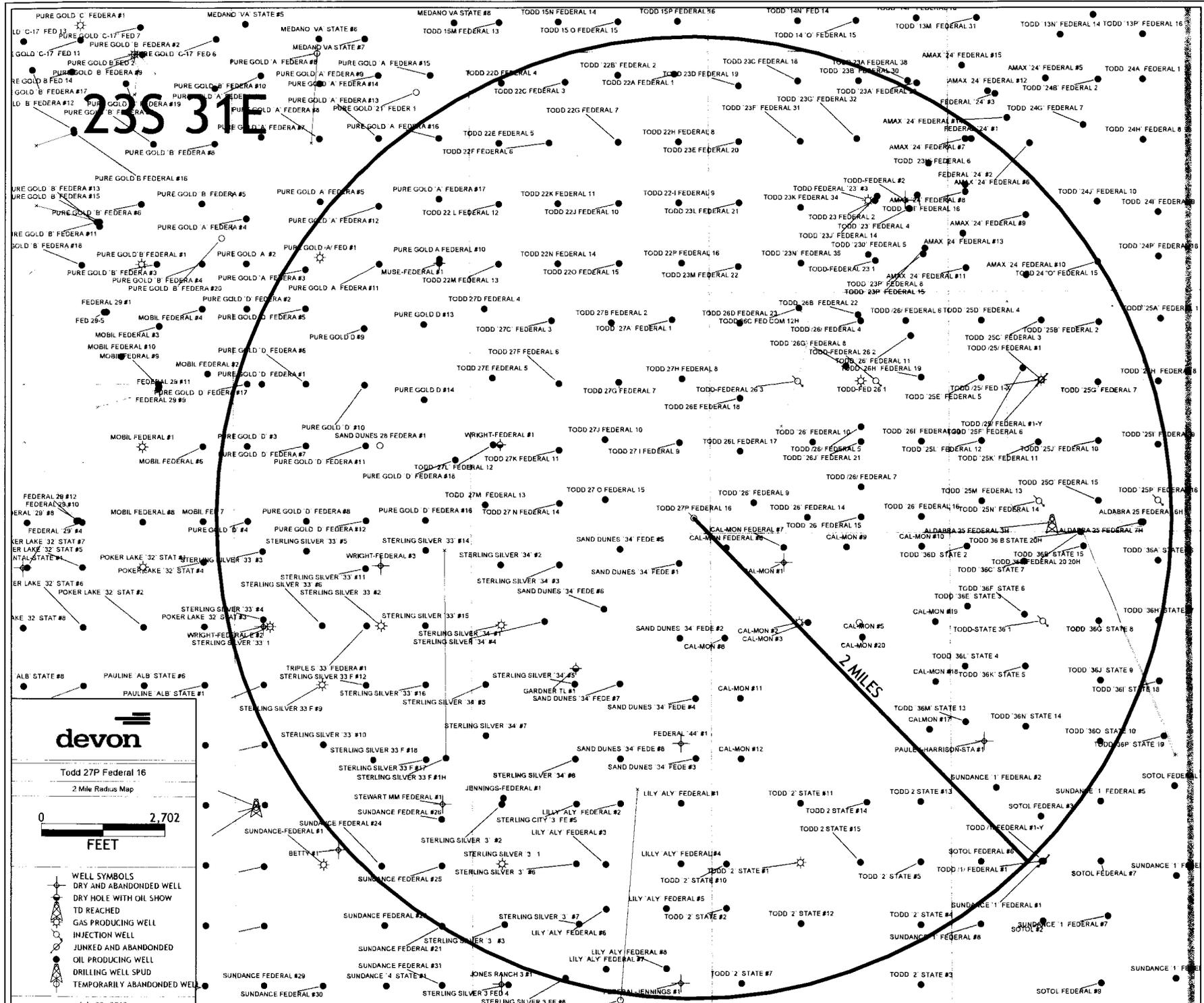
to within 200' of 5720
 [F5920]

35' Cement
 CIBP @ 7,940'

③ SWD-676 / injective survey

8,328' TD

23S 31E



devon

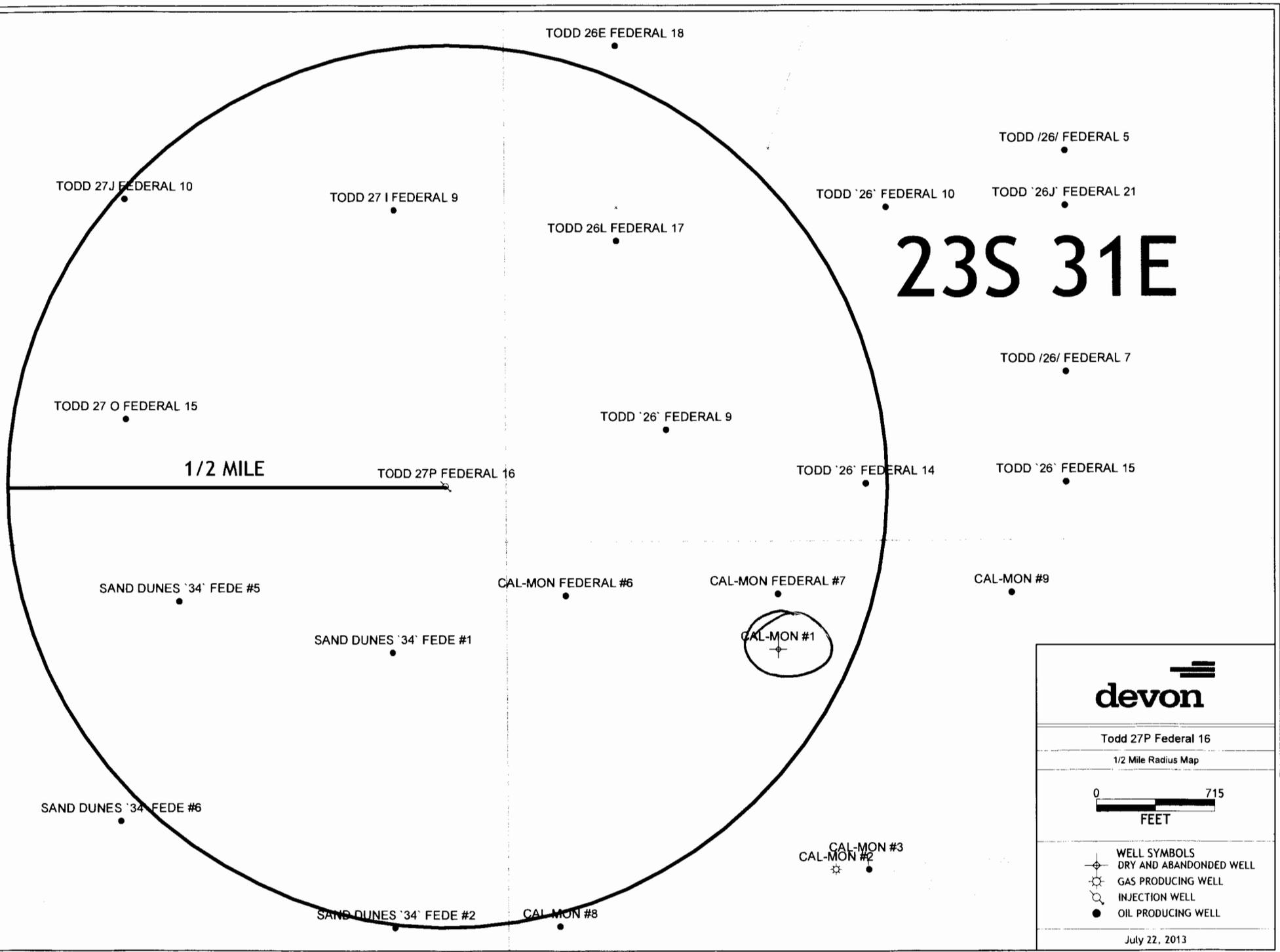
Todd 27P Federal 16
2 Mile Radius Map

0 2,702
FEET

WELL SYMBOLS
DRY AND ABANDONED WELL
DRY HOLE WITH OIL SHOW TO REACHED
GAS PRODUCING WELL
INJECTION WELL
JUNKED AND ABANDONED
OIL PRODUCING WELL
DRILLING WELL SPUD
TEMPORARILY ABANDONED WELL

July 22, 2013

23S 31E



Todd 27P Federal 16

1/2 Mile Radius Map



- WELL SYMBOLS
- DRY AND ABANDONED WELL
- GAS PRODUCING WELL
- INJECTION WELL
- OIL PRODUCING WELL

July 22, 2013

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

Devon Energy Production Company, LP

Proposed Inj Well: Todd 27P Federal 16

Proposed Formation: Delaware; Bell & Cherry Canyon

Proposed Interval: 4450 - 5720'

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	Todd 27P Federal 16 (Originally named Todd 27 Fed 1)	30-015-27106	Eddy	330' FSL 330' FEL	27	23S	31E	Oil	Active	11/5/1992	1/7/1993	8328'	8281'	Delaware	4694-5284 7962-8046 8012-8164	13-3/8", 48#, @ 849' 8-5/8", 32#, @ 4350' 5-1/2 15.5/17#, @ 8328'	650 sx / surface 2200 sx / surface 1200 sx / 1750 cbl
Devon Energy Prod Co LP	Todd 27J Federal 10	30-015-34430	Eddy	1980' FSL 1980' FEL	27	23S	31E	Oil	Active	2/2/06	3/23/06	8245	8194	Delaware	7230-8054	13-3/8", 48#, @ 878' 8-5/8", 32#, @ 4305' 5-1/2", 15.5/17#, @ 8245'	920 sx / surface 1340 sx / surface 1530 sx / surface
Devon Energy Prod Co LP	Todd 26L Federal 17	30-015-36897	Eddy	1800' FSL 660' FWL	26	23S	31	Oil	Active	12/10/09	1/18/10	8400	8282	Delaware	7904-7912 8090-8100	13-3/8", 48#, @ 740' 8-5/8", 24/32#, @ 4378' 5-1/2", 17#, @ 8400'	770 sx / surface 1320 sx / surface 1140 sx / 800 cbl
Devon Energy Prod Co LP	Todd 26M Federal 9	30-015-27075	Eddy	660' FSL 990' FWL	26	23S	31E	Oil	Active	9/15/1992	10/21/1992	8400	8346	Delaware	7335-7344 8006-8046 8112-8130 8146-8164	13-3/8", 48#, @ 869' 8-5/8", 32#, @ 4400' 5-1/2 15.5/17#, @ 8400'	600 sx / surface 2700 sx / surface 1025 sx / 2898 cbl
Devon Energy Prod Co LP	Todd 27O Federal 15	30-015-34432	Eddy	660' FSL 1980' FEL	27	23S	31E	Oil	Active	1/18/2006	2/7/2006	8236	8178	Delaware	6717-6722 7495-7509 8067-8082	13-3/8", 48#, @ 865' 8-5/8", 32#, @ 4278' 5-1/2 15.5/17#, @ 8236'	860 sx / surface 1350 sx / surface 1770 sx / 1830 cbl
Devon Energy Prod Co LP	Todd 27I Federal 9	30-015-35521	Eddy	1980' FSL 660' FEL	27	23S	31E	Oil	Active	1/10/2008	2/19/2008	8255	8206	Delaware	7900-7907 7984-7994 8070-8080	13-3/8", 48#, @ 830' 8-5/8", 32#, @ 4350' 5-1/2 15.5/17#, @ 8255'	860 sx / surface 1400 sx / surface 1310 sx / 3320 cbl
Devon Energy Prod Co LP	Todd 26N Federal 14	30-015-27104	Eddy	330' FSL 2180' FWL	26	23S	31E	Oil	Active	12/12/1992	2/20/1993	8400	8357	Delaware	6980-6998 8020-8064 8128-8184	13-3/8", 48#, @ 850' 8-5/8", 32#, @ 4412' 5-1/2 15.5/17#, @ 8400'	650 sx / surface 2050 sx / surface 1050 sx / 2500 cbl
Oxy USA	Cal-Mon Federal 6	30-015-26885	Eddy	330' FNL 380' FWL	35	23S	31E	Oil	Active	2/20/1992	3/24/1992	8340	8270	Delaware	8007-8046	13-3/8", 54.5#, @ 825' 8-5/8", 24/32#, @ 4340' 5-1/2", 15.5/17#, @ 8309'	950 sx / surface 1575 sx / surface 1404 sx / 4400 cbl
Oxy USA	Cal-Mon Federal 7	30-015-27081	Eddy	330' FNL 1650' FWL	35	23S	31E	Oil	Active	8/10/1992	9/8/1992	8400	8360	Delaware	6996-7014 7962-8070 8125-8201	13-3/8", 54.5#, @ 797' 8-5/8", 24/32#, @ 4275' 5-1/2", 15.5/17#, @ 8400'	1000 sx / surface 1525 sx / surface 1275 sx / 2800 cbl
Oxy USA	Sand Dune 34 Federal 1	30-015-27255	Eddy	1650' FNL 2310' FEL	35	23S	31E	Oil	Active	12/29/1992	1/28/1993	8338	8291	Delaware	8114-8182	13-3/8", 54.5#, @ 806' 8-5/8", 24/32#, @ 4220' 5-1/2", 15.5/17#, @ 8338'	1000 sx / surface 1650 sx / surface 1485 sx / surface
Oxy USA	Sand Dune 34 Federal 6	30-015-27499	Eddy	1650' FNL 2310' FEL	35	23S	31E	Oil	Active	9/13/1994	10/18/1994	8340	8294	Delaware	7976-8012 8074-8130	13-3/8", 54.5#, @ 720' 8-5/8", 24/32#, @ 4235' 5-1/2", 15.5/17#, @ 8290'	950 sx / surface 1600 sx / surface 1740 sx / surface
Pogo Producing	Calmon 1	30-015-24608	Eddy	660' FNL 1650' FWL	35	23S	31E	Oil	P&A	9/28/1983	10/18/1983	7100	Surf	n/a	n/a	10 3/4" @ 850'	275 sx / surface Set cmt plugs: 6521-6671' 4610-5150' 4158-4458' 720-1020' 50' plug at surf

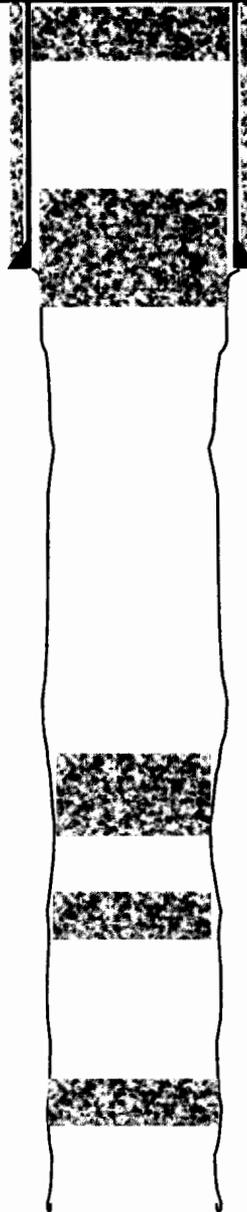
10 - active / Delaware
1 P&A

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: CAL MON #1		Field: WILDCAT BRUSHY CANYON	
Location: 660' FNL & 1650' FWL; SEC 35-T23S-R31E		County: EDDY	State: NM
Elevation: 3484' KB; 3467' GR		Spud Date: 9/28/83	Compl Date: Plugged 10/19/83
API#: 30-015-24608	Prepared by: Ronnie Slack	Date: 7/30/13	Rev:

Wellbore Plugged & abandoned 10/19/83

12-1/4" hole
10-3/4", 43.5#, J55, STC, @ 820'
 Cmt'd w/275 sx, circ'd 50 sx to surf



Spot 30 sx cmt (50') surface plug

Spot 131 sx cmt @ 720' - 1,020'

Spot 86 sx cmt @ 4,158' - 4,458'

7-7/8" Open Hole

- 5. Drilled out cmt to 4,500'.
- 4. Respot 50 sx cmt @ 4,610'. Tagged TOC @ 4,493'
- 3. Respot 50 sx cmt @ 4,610'. Tag TOC @ 4,798'
- 2. Respot 60 sx cmt @ 4,610'. No plug
- 1. Spot 60 sx cmt @ 4,610'. Tag TOC @ 5,150'

50 sx cmt @ 6521' - 6671'

7,100' TD

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

6. FEDERAL AGENCY OR TRUSTEE NAME
7. UNIT AGREEMENT NAME

SUNDRY NOTICES AND REPORTS ON WELLS

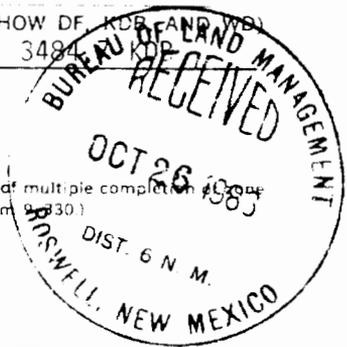
(Do not use this form for proposals to drill or to deepen a well. Use Form 9-331-C for such proposals.)

1. oil well gas well other Dry Hole
2. NAME OF OPERATOR
Pogo Producing Company ✓
3. ADDRESS OF OPERATOR
P.O. Box 10304 Midland, Texas 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL & 1650' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: 660' FNL & 1650' FWL
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- | | |
|---|-------------------------------------|
| REQUEST FOR APPROVAL TO: | SUBSEQUENT REPORT OF: |
| TEST WATER SHUT-OFF <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| (other) _____ | |

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DEC 12 1986
O. C. D.
ARTESIA OFFICE

8. FARM OR LEASE NAME
Cajon
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
Sand Dunes
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 35, T-23-S, R-31-E
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DEPTH OF KOP AND WOI)
3467.6 GP 348



(NOTE: Report results of multiple completion (MCP) change on Form 9-330)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10/11/83 TD 7100' - TD 7 7/8" hole at 7100' 10/10/83. Start POH and pipe stuck at 4210'.

10/12-14/83 TD 7100' - Fish stuck pipe. Start running open-hole logs.

10/15/83 TD 7100' - Finish running open-hole logs. RIH and spot 50 sx cmt plug from 6521'-6671' (150'). Pull DP to 4610' and spot 60 sx cmt plug. Tag cmt plug @ 5150'.

10/16/83 TD 7100' - PU DP to 4610' and spot 60 sx cmt plug. No cmt plug. PU DP to 4610' and Spot 50 sx cmt plug tag top of cmt at 4798'. PU DP to 4610' and spot 50 sx cmt plug. Tag top of cmt at 4493'. Drill cmt from 4493'-4500'. Circ hole clean.

CONTINUED ON ATTACHED SHEET

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft

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

SIGNED _____ TITLE Division Engineer DATE 10/19/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE 12-11-86
CONDITIONS OF APPROVAL, IF ANY:

TD 7100' - Weld steel cap and install permanent P & A marker. Well DST No. 2
and plug to P & A well.

10/10/83 TD 7100' - RIG and spot 86 sx cnt fr. 4450'-4158' spot 181 sx cnt from 1020'-
720', cut-off wellhead and spot 30 sx cnt (50' plug) at the surface. Rig released
2:30 pm MDT 10/17/83. Cnt plug work witnessed by Bird Jones BLM.

10/19/83 TD 7100' - Weld steel cap and install permanent P & A marker. Well P & A
complete 10/18/83.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

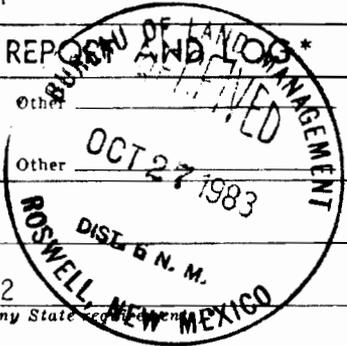
REPORT IN DUPLICATE*

Form approved
Bureau Form No. 42 (R304)

Use 11 for the
edition on
10/15/81

451

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*



1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other

2. NAME OF OPERATOR: Pogo Producing Company ✓

3. ADDRESS OF OPERATOR: P.O. Box 10340 Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State laws):
At surface 660' FNL & 1650' FWL
At top prod. interval reported below 600' FNL & 1650' FWL
At total depth 660' FNL & 1650' FWL

5. LEASE DESIGNATION AND SERIAL NO: N# - 19199

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME: Cal-Mon

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Sand Dunes w/ Cracks

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 35, T-23-S, R-31-E

12. COUNTY OR PARISH: Eddy

13. STATE: New Mexico

14. PERMIT NO.

DATE ISSUED: 9/20/83

15. DATE SPUDDED: 9/28/83

16. DATE T.D. REACHED: 10/10/83

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 3467.6' GR, 3484.7' RKB*

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD: 7100'

21. PLUG, BACK T.D., MD & TVD: Surface

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY: →

ROTARY TOOLS: 7100'

CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: None P & A

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: GR - BHC Sonic, GR- Dual Laterolog

27. WAS WELL CORED: Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	40.50	820'	12 1/4"	275 sxs CI C, Circulated	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
None		

31. PERFORATION RECORD (Interval, size and number): None

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

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ARTESIA, OFFICE

33. PRODUCTION

DATE FIRST PRODUCTION: P & A

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or shut-in): P & A

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				

FLOW, TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. → WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.):

TEST WITNESSED BY: NOV 1 1983

35. LIST OF ATTACHMENTS: DST, Inclination Report, BHC Sonic Log, Dual Laterolog, Mud Log, Core Analyses.

38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
ROSWELL, NEW MEXICO

SIGNED: *J. Williams* TITLE: Division Operations Manager DATE: 10/24/83

*(See Instructions and Spaces for Additional Data on Reverse Side)

**Todd 27P Federal 16 SWD
C-108 Application for Injection
Injection Water Analysis for
Aldabra 25 Fed 6H
Bone Spring 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 #:	578342
Lease/Platform:	ALDABRA 25 FED	Analysis ID #:	135090
Entity (or well #):	6 H	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

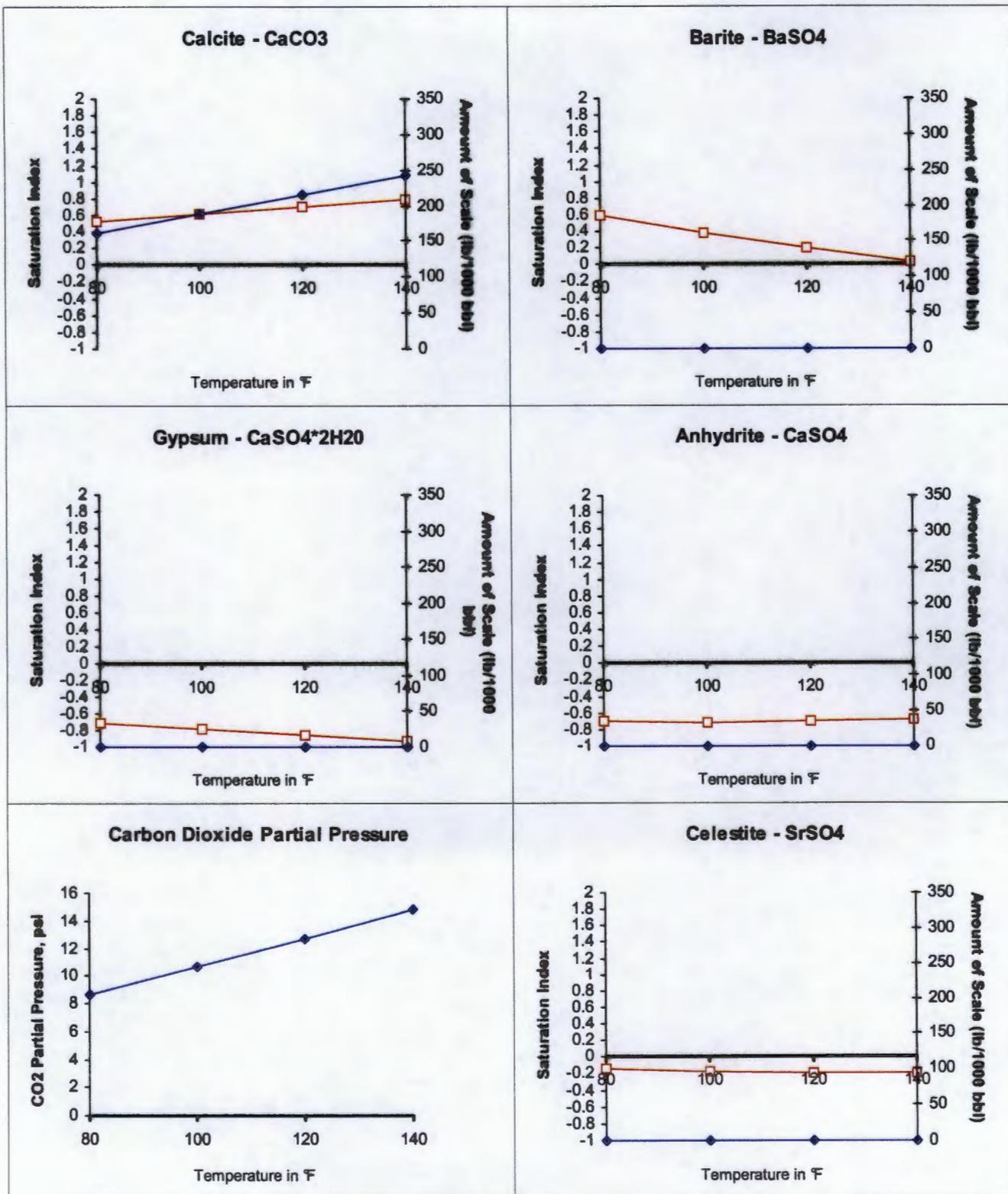
Summary		Analysis of Sample 578342 @ 75 °F			
Sampling Date:	07/19/13	Anions	mg/l	meq/l	Cations
Analysis Date:	08/08/13	Chloride:	105600.0	2978.59	Sodium:
Analyst:	SANDRA SANCHEZ	Bicarbonate:	2196.0	35.99	Magnesium:
TDS (mg/l or g/m3):	173088	Carbonate:	0.0	0.	Calcium:
Density (g/cm3, tonne/m3):	1.116	Sulfate:	1522.0	31.69	Strontium:
Anion/Cation Ratio:	0.9104169	Phosphate:			Barium:
		Borate:			Iron:
		Silicate:			Potassium:
Carbon Dioxide:	50 PPM	Hydrogen Sulfide:		0 PPM	Aluminum:
Oxygen:		pH at time of sampling:		6.3	Chromium:
Comments:		pH at time of analysis:			Copper:
		pH used in Calculation:		6.3	Lead:
					Manganese:
					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
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
°F	psi											psi
80	0	0.53	161.40	-0.71	0.00	-0.70	0.00	-0.14	0.00	0.59	0.30	8.69
100	0	0.62	188.35	-0.79	0.00	-0.71	0.00	-0.17	0.00	0.39	0.00	10.7
120	0	0.71	215.59	-0.86	0.00	-0.70	0.00	-0.19	0.00	0.20	0.00	12.74
140	0	0.80	243.43	-0.92	0.00	-0.67	0.00	-0.20	0.00	0.04	0.00	14.78

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.

Scale Predictions from Baker Petrolite

Analysis of Sample 578342 @ 75 °F for DEVON ENERGY CORPORATION, 08/08/13



**Todd 27P Federal 16 SWD
C-108 Application for Injection
Injection Water Analysis for
Aldabra 25 Fed 7H
Bone Spring 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 #:	578343
Lease/Platform:	ALDABRA 25 FED	Analysis ID #:	135091
Entity (or well #):	7 H	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 578343 @ 75 °F			
Sampling Date:	07/19/13	Anions	mg/l	meq/l	Cations
Analysis Date:	08/08/13	Chloride:	102800.0	2899.61	Sodium:
Analyst:	SANDRA SANCHEZ	Bicarbonate:	2318.0	37.99	Magnesium:
TDS (mg/l or g/m3):	171838.1	Carbonate:	0.0	0.0	Calcium:
Density (g/cm3, tonne/m3):	1.115	Sulfate:	1636.0	34.06	Strontium:
Anion/Cation Ratio:	0.9524124	Phosphate:			Barium:
Carbon Dioxide:	60 PPM	Borate:			Iron:
Oxygen:		Silicate:			Potassium:
Comments:		Hydrogen Sulfide:		0 PPM	Aluminum:
		pH at time of sampling:		6.1	Chromium:
		pH at time of analysis:			Copper:
		pH used in Calculation:		6.1	Lead:
					Manganese:
					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
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.37	133.42	-0.67	0.00	-0.66	0.00	-0.09	0.00	0.62	0.30	14.42
100	0	0.46	165.14	-0.75	0.00	-0.67	0.00	-0.13	0.00	0.41	0.00	17.69
120	0	0.55	197.46	-0.82	0.00	-0.66	0.00	-0.15	0.00	0.23	0.00	20.95
140	0	0.65	230.08	-0.88	0.00	-0.63	0.00	-0.16	0.00	0.07	0.00	24.08

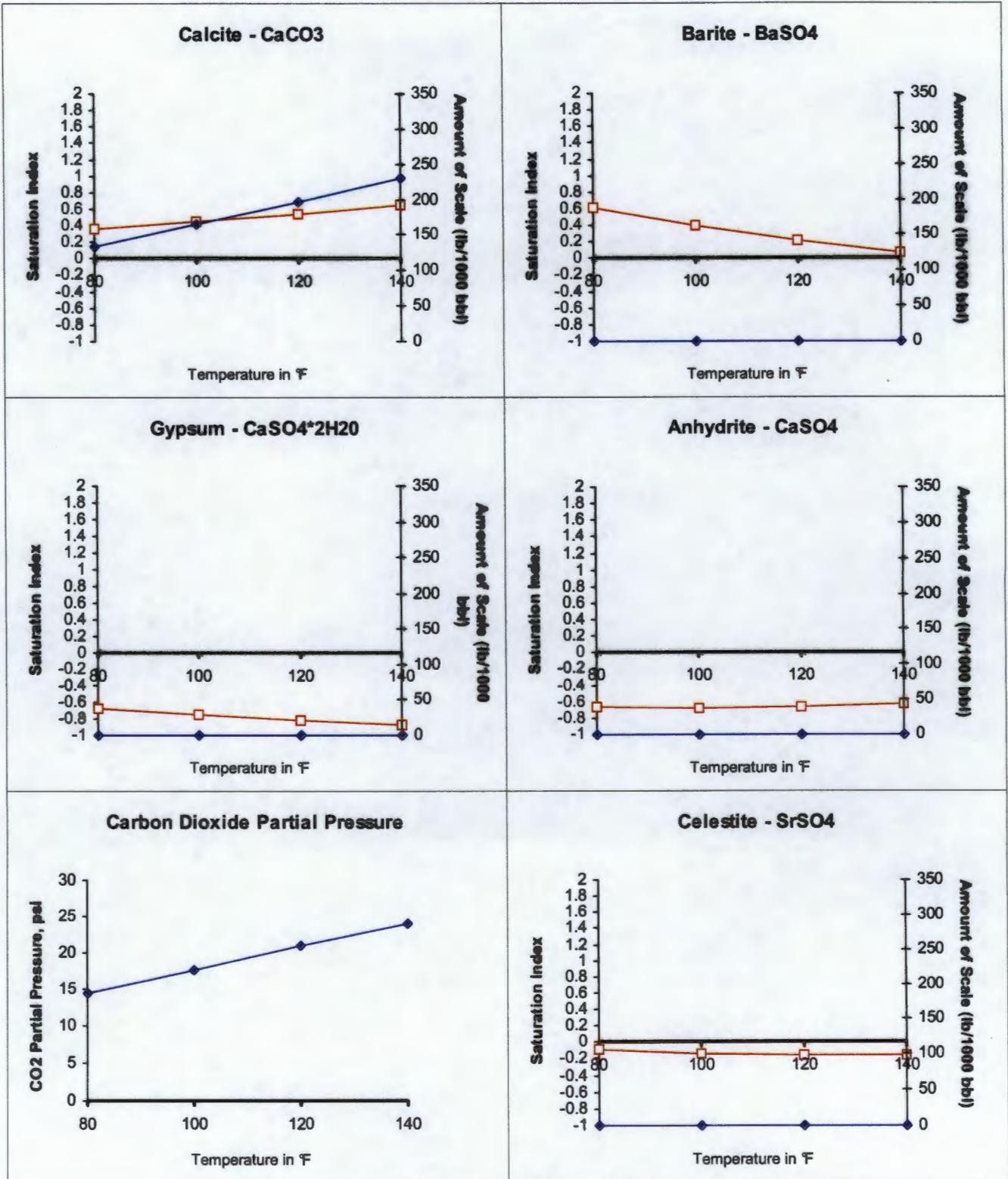
Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

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.

Scale Predictions from Baker Petrolite

Analysis of Sample 578343 @ 75 °F for DEVON ENERGY CORPORATION, 08/08/13



**Todd 27P Federal 16 SWD
C-108 Application for Injection
Injection Water Analysis for
Aldabra 25 Fed 8H
Bone Spring 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 #:	578345
Lease/Platform:	ALDABRA 25 FED	Analysis ID #:	135092
Entity (or well #):	8 H	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

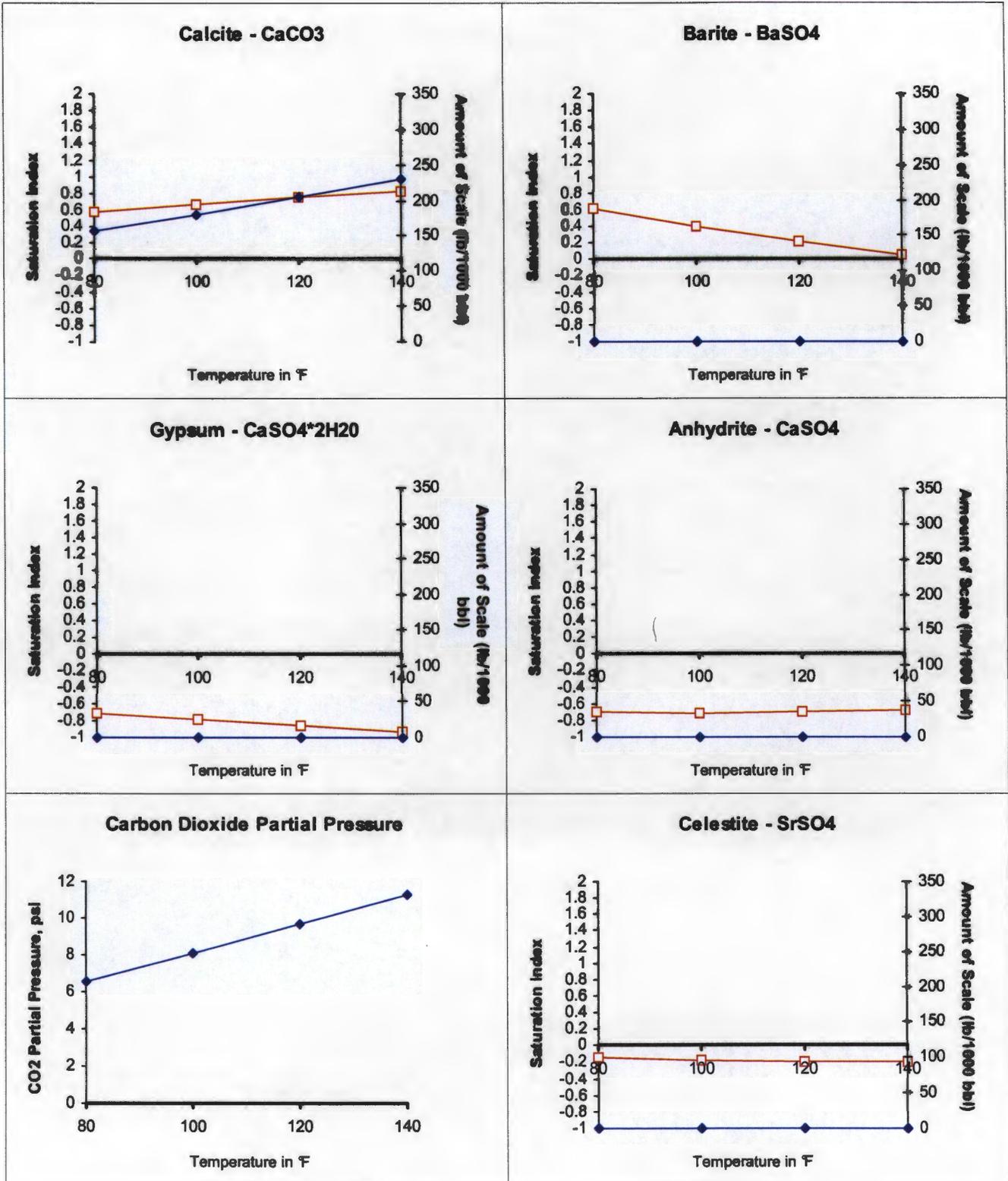
Summary		Analysis of Sample 578345 @ 75 F					
Sampling Date:	07/19/13	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	08/08/13	Chloride:	105600.0	2978.59	Sodium:	61249.0	2664.18
Analyst:	SANDRA SANCHEZ	Bicarbonate:	2074.0	33.99	Magnesium:	290.0	23.86
TDS (mg/l or g/m3):	173144	Carbonate:	0.0	0.0	Calcium:	1211.0	60.43
Density (g/cm3, tonne/m3):	1.115	Sulfate:	1603.0	33.37	Strontium:	92.0	2.1
Anion/Cation Ratio:	0.911777	Phosphate:			Barium:	0.4	0.01
Carbon Dioxide:	60 PPM	Borate:			Iron:	43.0	1.55
Oxygen:		Silicate:			Potassium:	981.0	25.09
Comments:		Hydrogen Sulfide:		0 PPM	Aluminum:		
		pH at time of sampling:		6.4	Chromium:		
		pH at time of analysis:			Copper:		
		pH used in Calculation:		6.4	Lead:		
					Manganese:	0.600	0.02
					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
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
F	psi											psi
80	0	0.58	156.92	-0.71	0.00	-0.70	0.00	-0.14	0.00	0.62	0.30	6.54
100	0	0.67	181.20	-0.79	0.00	-0.71	0.00	-0.17	0.00	0.41	0.00	8.07
120	0	0.76	206.07	-0.86	0.00	-0.70	0.00	-0.19	0.00	0.23	0.00	9.67
140	0	0.84	231.53	-0.92	0.00	-0.67	0.00	-0.20	0.00	0.06	0.00	11.3

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.

Scale Predictions from Baker Petrolite

Analysis of Sample 578345 @ 75 °F for DEVON ENERGY CORPORATION, 08/08/13



**Todd 27P Federal 16 SWD
C-108 Application for Injection
Injection Water Analysis for
Todd 25 Federal 4
Delaware 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:	CARLSBAD, NM	Sample #:	578346
Lease/Platform:	TODD 25 FEDERAL	Analysis ID #:	135089
Entity (or well #):	4	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

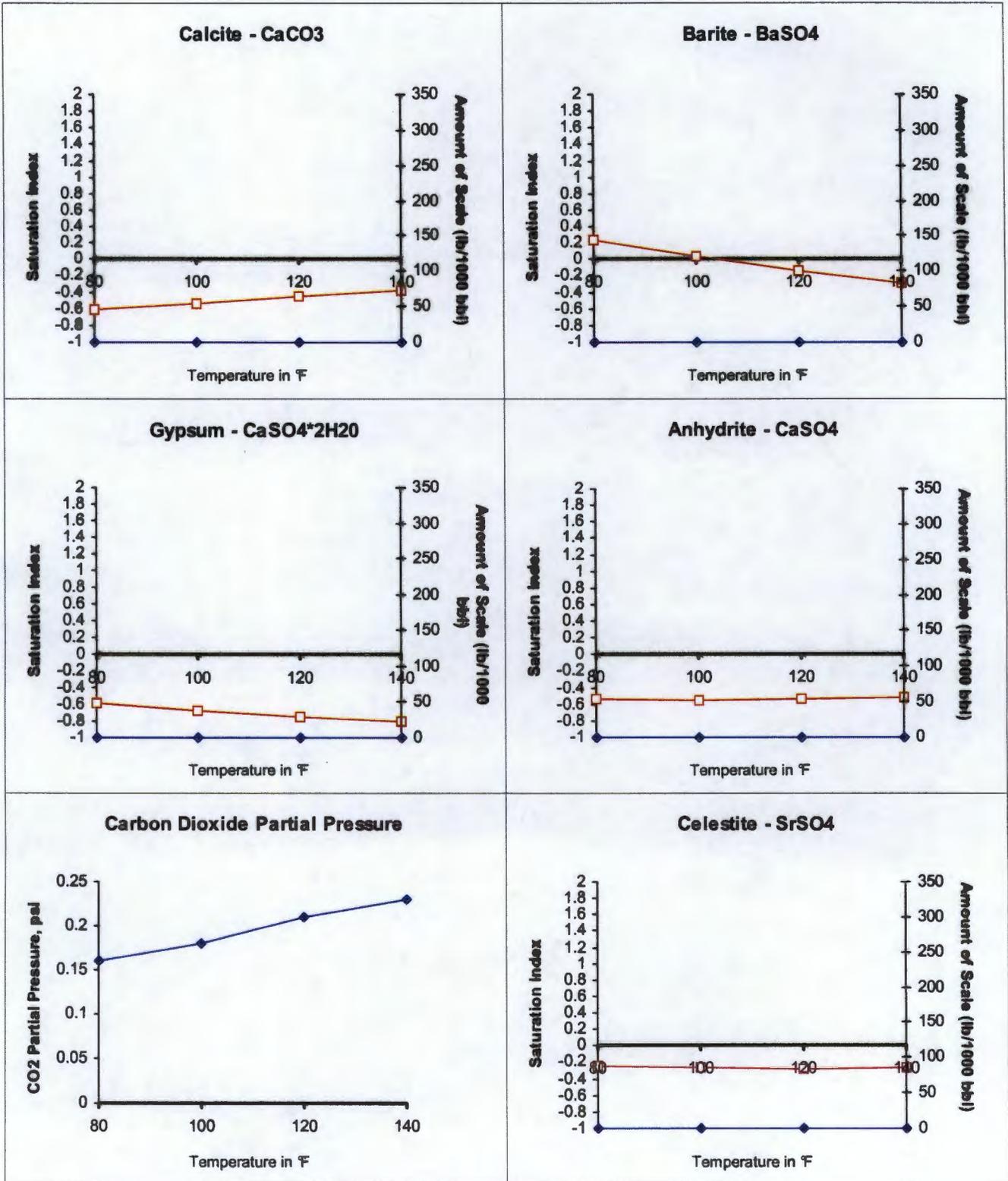
Summary		Analysis of Sample 578346 @ 75 °F			
Sampling Date:	07/19/13	Anions	mg/l	meq/l	Cations
Analysis Date:	08/08/13	Chloride:	176800.0	4986.88	Sodium:
Analyst:	SANDRA SANCHEZ	Bicarbonate:	24.4	0.4	Magnesium:
TDS (mg/l or g/m3):	279046.9	Carbonate:	0.0	0.0	Calcium:
Density (g/cm3, tonne/m3):	1.192	Sulfate:	166.0	3.46	Strontium:
Anion/Cation Ratio:	0.9340873	Phosphate:			Barium:
		Borate:			Iron:
		Silicate:			Potassium:
Carbon Dioxide:	20 PPM	Hydrogen Sulfide:		0 PPM	Aluminum:
Oxygen:		pH at time of sampling:		5.9	Chromium:
Comments:		pH at time of analysis:			Copper:
		pH used in Calculation:		5.9	Lead:
					Manganese:
					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
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
°F	psi											psi
80	0	-0.61	0.00	-0.59	0.00	-0.53	0.00	-0.25	0.00	0.24	0.81	0.16
100	0	-0.53	0.00	-0.67	0.00	-0.55	0.00	-0.27	0.00	0.04	0.27	0.18
120	0	-0.45	0.00	-0.74	0.00	-0.54	0.00	-0.28	0.00	-0.13	0.00	0.21
140	0	-0.37	0.00	-0.80	0.00	-0.51	0.00	-0.27	0.00	-0.28	0.00	0.23

- 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.

Scale Predictions from Baker Petrolite

Analysis of Sample 578346 @ 75 °F for DEVON ENERGY CORPORATION, 08/08/13



Todd 27P Federal 16 SWD
C-108 Application for Injection
Injection Water Analysis for
Todd 25 Federal 15
Delaware 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:	CARLSBAD, NM	Sample #:	578319
Lease/Platform:	TODD 25 FEDERAL	Analysis ID #:	135097
Entity (or well #):	15	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

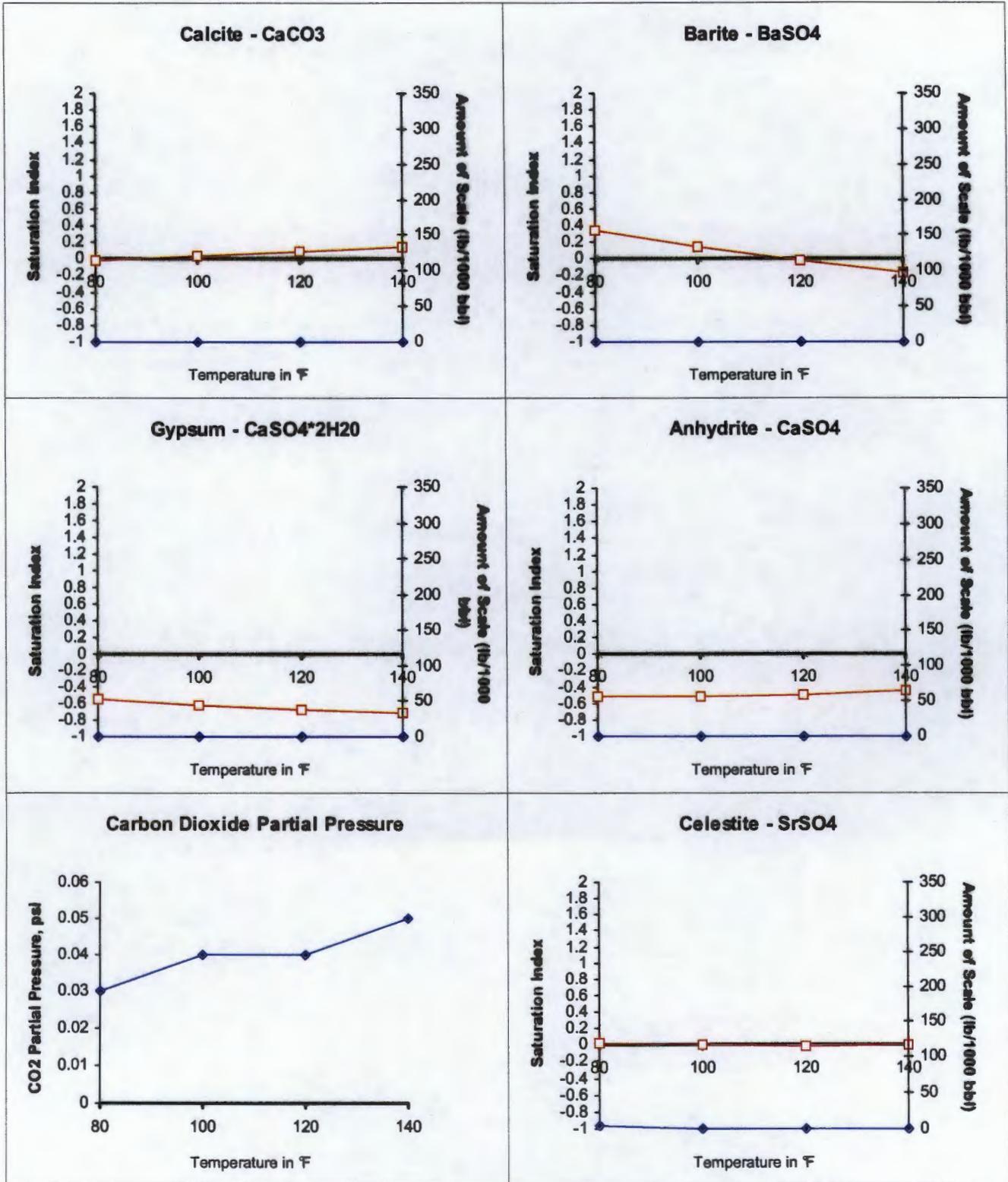
Summary		Analysis of Sample 578319 @ 75 F					
Sampling Date:	07/19/13	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	08/08/13	Chloride:	137200.0	3869.91	Sodium:	54071.0	2351.96
Analyst:	SANDRA SANCHEZ	Bicarbonate:	24.4	0.4	Magnesium:	2820.0	231.98
TDS (mg/l or g/m3):	214854.9	Carbonate:	0.0	0.	Calcium:	17724.0	884.43
Density (g/cm3, tonne/m3):	1.15	Sulfate:	231.0	4.81	Strontium:	1493.0	34.08
Anion/Cation Ratio:	0.9124160	Phosphate:			Barium:	2.5	0.04
Carbon Dioxide:	20 PPM	Borate:			Iron:	19.0	0.69
Oxygen:		Silicate:			Potassium:	1263.0	32.3
Comments:		Hydrogen Sulfide:		0 PPM	Aluminum:		
		pH at time of sampling:		6.7	Chromium:		
		pH at time of analysis:			Copper:		
		pH used in Calculation:		6.7	Lead:		
					Manganese:	7.000	0.25
					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
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
F	psi											psi
80	0	-0.01	0.00	-0.55	0.00	-0.52	0.00	0.02	4.85	0.34	0.57	0.03
100	0	0.05	0.00	-0.61	0.00	-0.52	0.00	0.00	0.00	0.15	0.29	0.04
120	0	0.10	0.29	-0.67	0.00	-0.50	0.00	-0.01	0.00	-0.02	0.00	0.04
140	0	0.15	0.29	-0.71	0.00	-0.45	0.00	0.00	0.00	-0.16	0.00	0.05

- 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.

Scale Predictions from Baker Petrolite

Analysis of Sample 578319 @ 75 °F for DEVON ENERGY CORPORATION, 08/08/13



**Todd 27P Federal 16 SWD
C-108 Application for Injection
Injection Water Analysis for
Todd 26 Federal 9
Delaware 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:	CARLSBAD, NM	Sample #:	636966
Lease/Platform:	TODD 26 FEDERAL	Analysis ID #:	135093
Entity (or well #):	9	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 636966 @ 75 F					
Sampling Date:	07/22/13	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	08/08/13	Chloride:	177600.0	5009.45	Sodium:	77282.0	3361.58
Analyst:	SANDRA SANCHEZ	Bicarbonate:	24.4	0.4	Magnesium:	4610.0	379.24
TDS (mg/l or g/m3):	288374.9	Carbonate:	0.0	0.0	Calcium:	25263.0	1260.63
Density (g/cm3, tonne/m3):	1.198	Sulfate:	177.0	3.69	Strontium:	1540.0	35.15
Anion/Cation Ratio:	1.0142425	Phosphate:			Barium:	3.5	0.05
Carbon Dioxide:	20 PPM	Borate:			Iron:	28.0	1.01
Oxygen:		Silicate:			Potassium:	1842.0	47.11
Comments:		Hydrogen Sulfide:		0 PPM	Aluminum:		
		pH at time of sampling:		6.9	Chromium:		
		pH at time of analysis:			Copper:		
		pH used in Calculation:		6.9	Lead:		
					Manganese:	5.000	0.18
					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
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
F	psi											psi
80	0	0.42	0.53	-0.52	0.00	-0.46	0.00	-0.22	0.00	0.22	0.80	0.02
100	0	0.43	0.53	-0.60	0.00	-0.47	0.00	-0.24	0.00	0.03	0.00	0.02
120	0	0.44	0.80	-0.67	0.00	-0.46	0.00	-0.25	0.00	-0.14	0.00	0.03
140	0	0.44	0.80	-0.73	0.00	-0.43	0.00	-0.24	0.00	-0.29	0.00	0.04

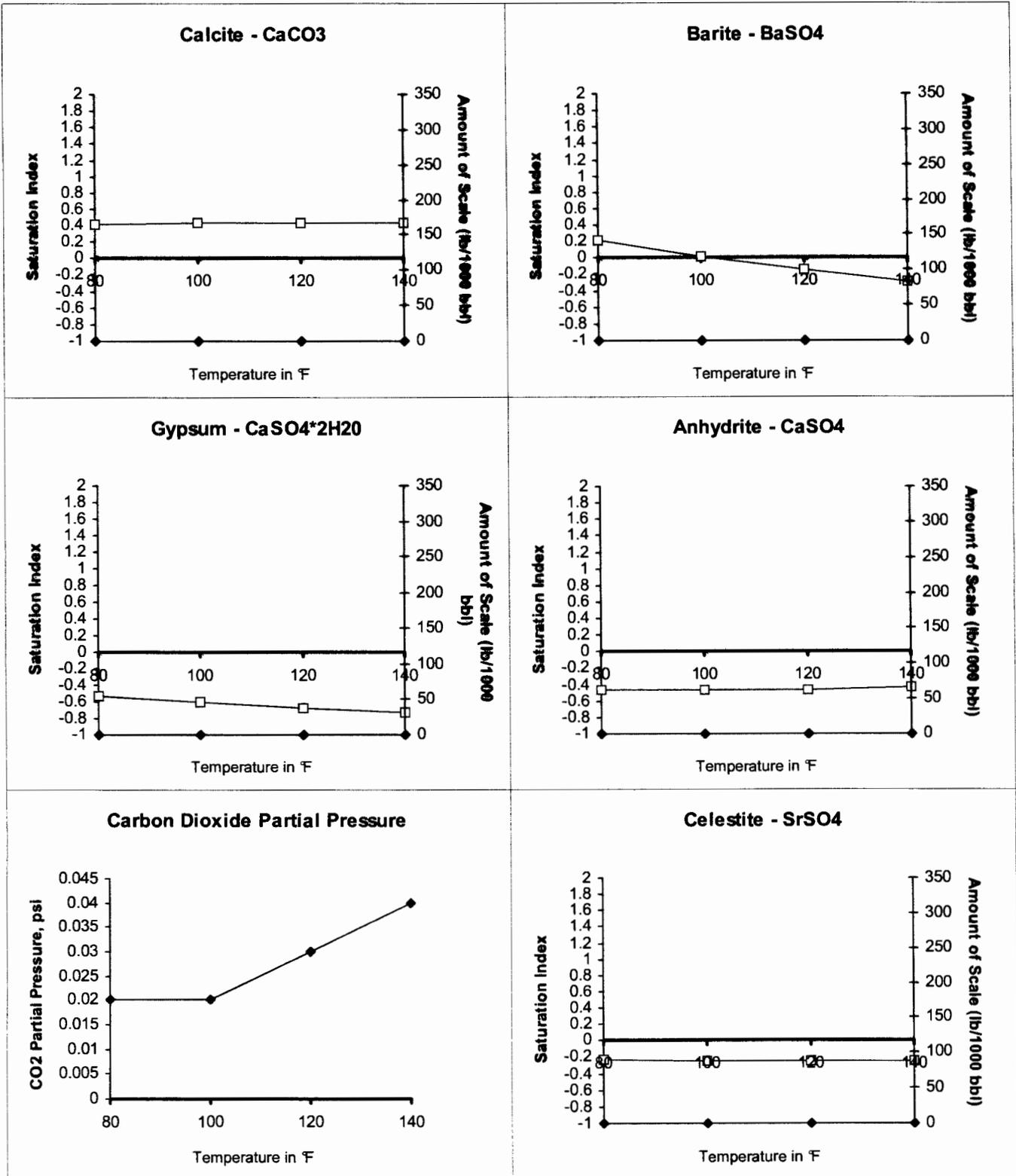
Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

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.

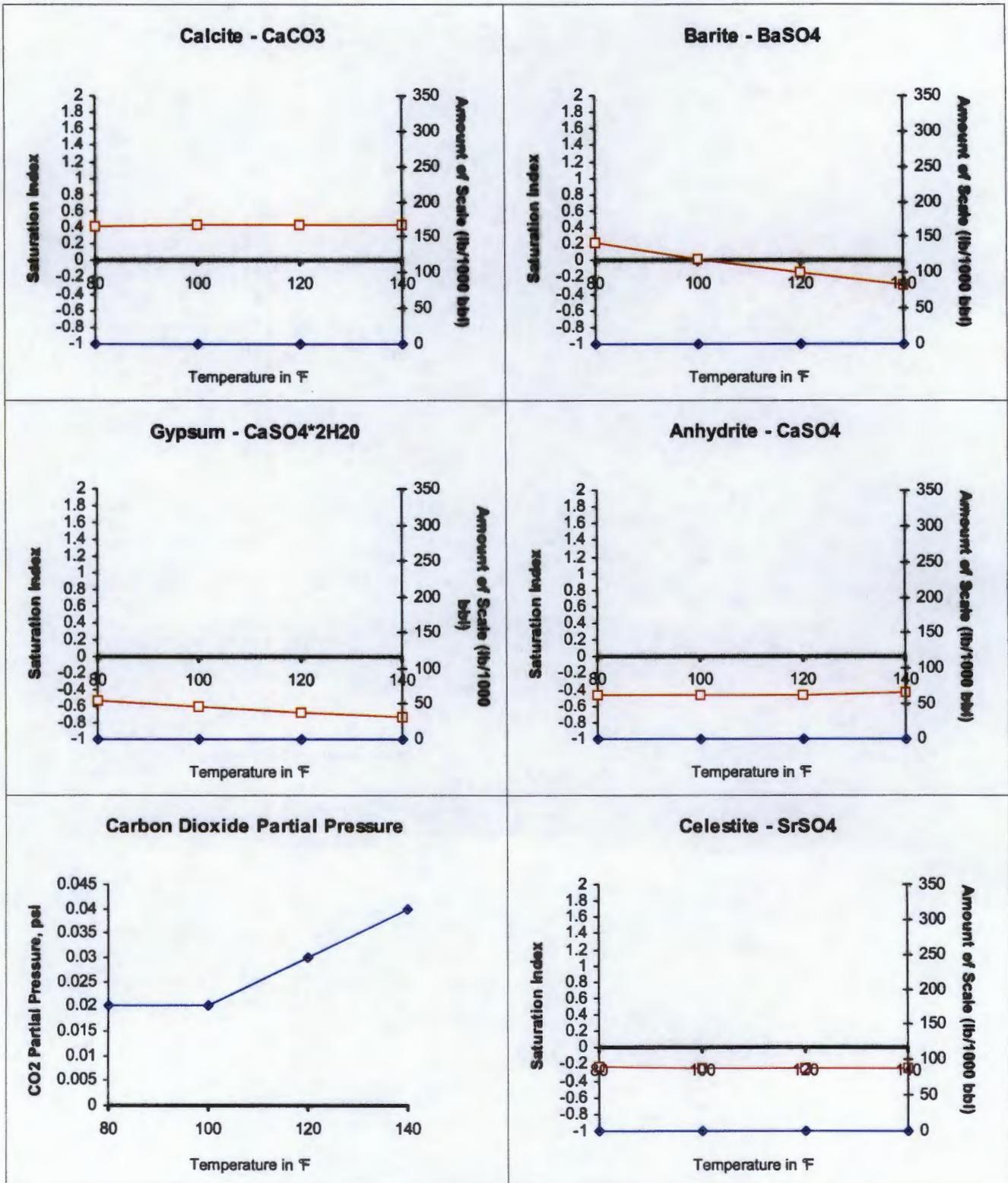
Scale Predictions from Baker Petrolite

Analysis of Sample 636966 @ 75 °F for DEVON ENERGY CORPORATION, 08/08/13



Scale Predictions from Baker Petrolite

Analysis of Sample 636966 @ 75 °F for DEVON ENERGY CORPORATION, 08/08/13



**Todd 27P Federal 16 SWD
C-108 Application for Injection
Injection Water Analysis for
Todd 26 Federal 14
Delaware 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:	CARLSBAD, NM	Sample #:	578320
Lease/Platform:	TODD 26 FEDERAL	Analysis ID #:	135096
Entity (or well #):	14	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 578320 @ 75 °F			
Sampling Date:	07/22/13	Anions	mg/l	meq/l	Cations
Analysis Date:	08/08/13	Chloride:	168800.0	4761.23	Sodium:
Analyst:	SANDRA SANCHEZ	Bicarbonate:	36.6	0.6	Magnesium:
TDS (mg/l or g/m3):	267337.1	Carbonate:	0.0	0.0	Calcium:
Density (g/cm3, tonne/m3):	1.186	Sulfate:	186.0	3.87	Strontium:
Anion/Cation Ratio:	0.9389719	Phosphate:			Barium:
Carbon Dioxide:	20 PPM	Borate:			Iron:
Oxygen:		Silicate:			Potassium:
Comments:		Hydrogen Sulfide:		0 PPM	Aluminum:
		pH at time of sampling:		6.8	Chromium:
		pH at time of analysis:			Copper:
		pH used in Calculation:		6.8	Lead:
					Manganese:
					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
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
80	0	0.41	1.09	-0.58	0.00	-0.53	0.00	-0.21	0.00	0.31	0.81	0.03
100	0	0.44	1.09	-0.66	0.00	-0.54	0.00	-0.23	0.00	0.11	0.27	0.04
120	0	0.46	1.36	-0.73	0.00	-0.53	0.00	-0.24	0.00	-0.06	0.00	0.05
140	0	0.49	1.63	-0.79	0.00	-0.50	0.00	-0.23	0.00	-0.21	0.00	0.06

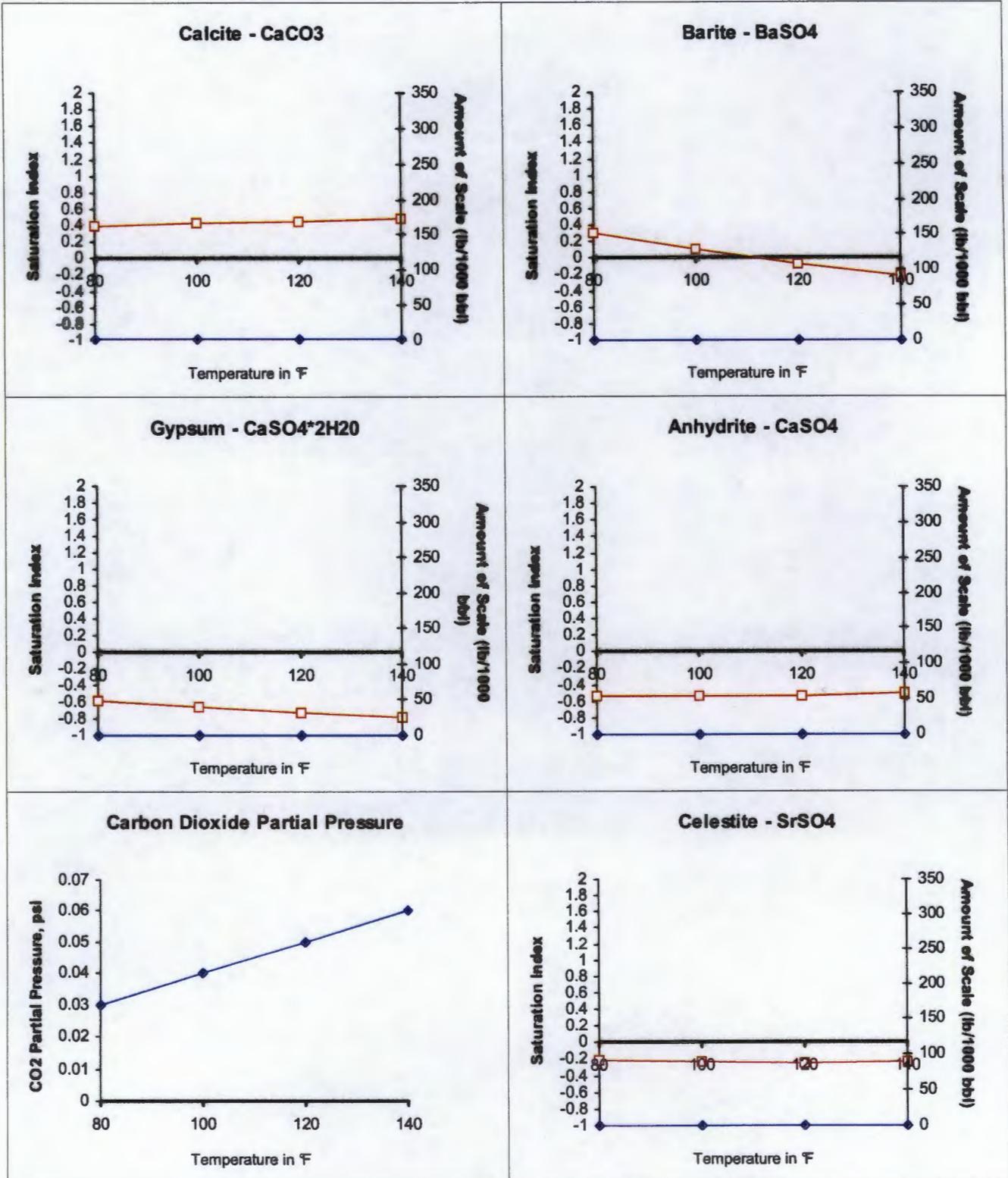
Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

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.

Scale Predictions from Baker Petrolite

Analysis of Sample 578320 @ 75 °F for DEVON ENERGY CORPORATION, 08/08/13



**Todd 27P Federal 16 SWD
C-108 Application for Injection
Injection Water Analysis for
Todd 27 Federal 10
Delaware 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:	CARLSBAD, NM	Sample #:	578347
Lease/Platform:	TODD 27 FEDERAL	Analysis ID #:	135094
Entity (or well #):	10	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

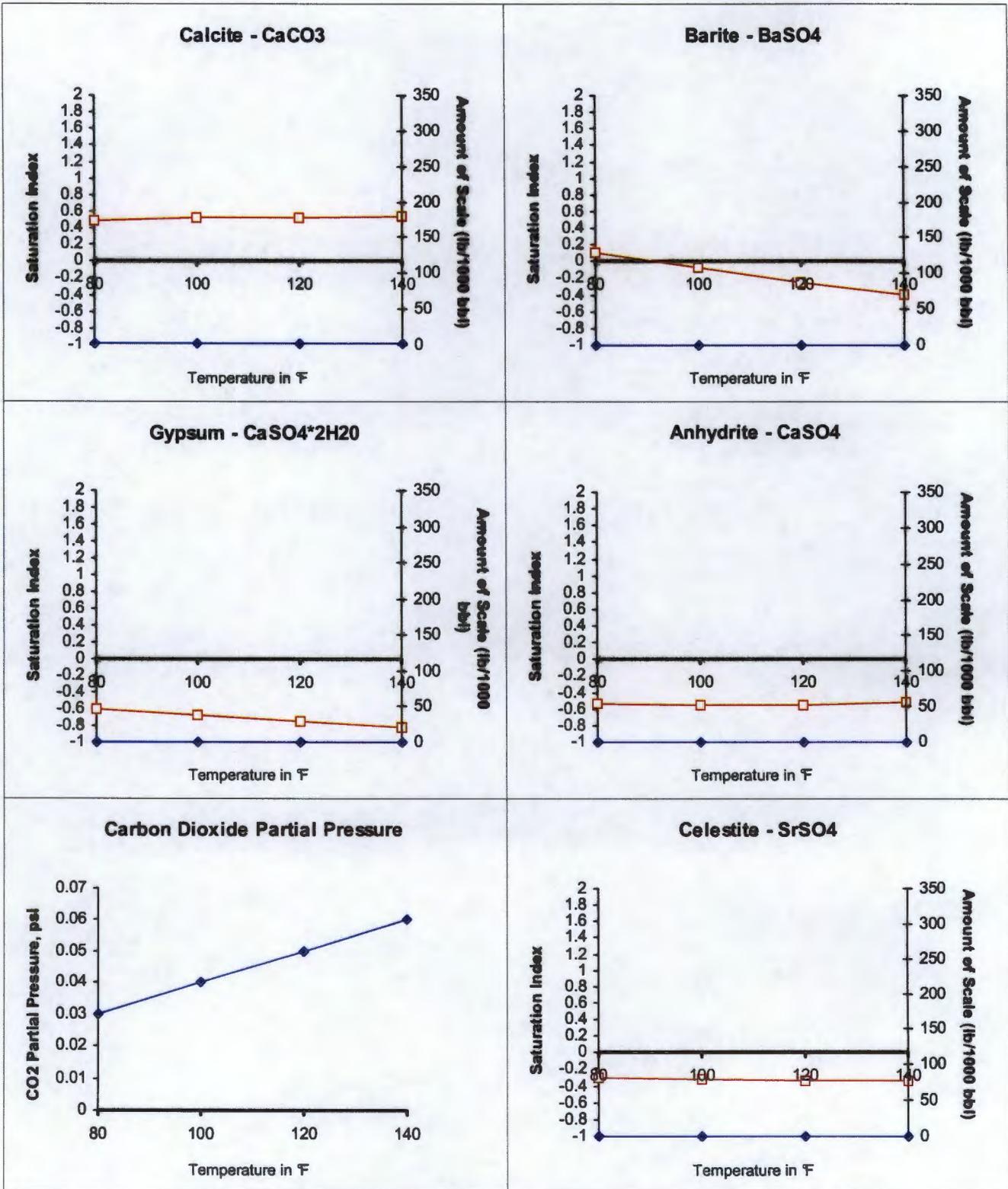
Summary		Analysis of Sample 578347 @ 75 F					
Sampling Date:	07/22/13	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	08/08/13	Chloride:	181200.0	5110.99	Sodium:	78069.0	3395.81
Analyst:	SANDRA SANCHEZ	Bicarbonate:	36.6	0.6	Magnesium:	4015.0	330.29
TDS (mg/l or g/m3):	289296.1	Carbonate:	0.0	0.	Calcium:	22585.0	1127.
Density (g/cm3, tonne/m3):	1.195	Sulfate:	156.0	3.25	Strontium:	1406.0	32.09
Anion/Cation Ratio:	0.9643071	Phosphate:			Barium:	3.0	0.04
Carbon Dioxide:	20 PPM	Borate:			Iron:	30.0	1.08
Oxygen:		Silicate:			Potassium:	1791.0	45.8
Comments:		Hydrogen Sulfide:		0 PPM	Aluminum:		
		pH at time of sampling:		6.8	Chromium:		
		pH at time of analysis:			Copper:		
		pH used in Calculation:		6.8	Lead:		
					Manganese:	4.500	0.16
					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
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
F	psi											psi
80	0	0.49	1.06	-0.60	0.00	-0.53	0.00	-0.30	0.00	0.12	0.27	0.03
100	0	0.52	1.33	-0.68	0.00	-0.55	0.00	-0.32	0.00	-0.07	0.00	0.04
120	0	0.53	1.59	-0.75	0.00	-0.55	0.00	-0.33	0.00	-0.24	0.00	0.05
140	0	0.55	1.86	-0.82	0.00	-0.52	0.00	-0.33	0.00	-0.39	0.00	0.06

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.

Scale Predictions from Baker Petrolite

Analysis of Sample 578347 @ 75 °F for DEVON ENERGY CORPORATION, 08/08/13



**Todd 27P Federal 16 SWD
C-108 Application for Injection
Injection Water Analysis for
Todd 27 Federal 11
Delaware 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:	CARLSBAD, NM	Sample #:	578318
Lease/Platform:	TODD 27 FEDERAL	Analysis ID #:	135095
Entity (or well #):	11	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 578318 @ 75 °F			
Sampling Date:	07/22/13	Anions	mg/l	meq/l	Cations
Analysis Date:	08/08/13	Chloride:	133200.0	3757.09	Sodium:
Analyst:	SANDRA SANCHEZ	Bicarbonate:	36.6	0.6	Magnesium:
TDS (mg/l or g/m3):	212734.1	Carbonate:	0.0	0.0	Calcium:
Density (g/cm3, tonne/m3):	1.146	Sulfate:	28.0	0.58	Strontium:
Anion/Cation Ratio:	0.9604896	Phosphate:			Barium:
		Borate:			Iron:
		Silicate:			Potassium:
Carbon Dioxide:	20 PPM	Hydrogen Sulfide:		0 PPM	Aluminum:
Oxygen:		pH at time of sampling:		6.7	Chromium:
Comments:		pH at time of analysis:			Copper:
		pH used in Calculation:		6.7	Lead:
					Manganese:
					Nickel:

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp °F	Gauge Press. psi	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press psi
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
80	0	0.10	0.29	-1.55	0.00	-1.52	0.00	-1.02	0.00	0.80	14.27	0.04
100	0	0.15	0.57	-1.62	0.00	-1.53	0.00	-1.04	0.00	0.60	11.99	0.06
120	0	0.21	0.86	-1.68	0.00	-1.51	0.00	-1.05	0.00	0.43	9.42	0.07
140	0	0.26	1.14	-1.73	0.00	-1.46	0.00	-1.05	0.00	0.28	6.57	0.08

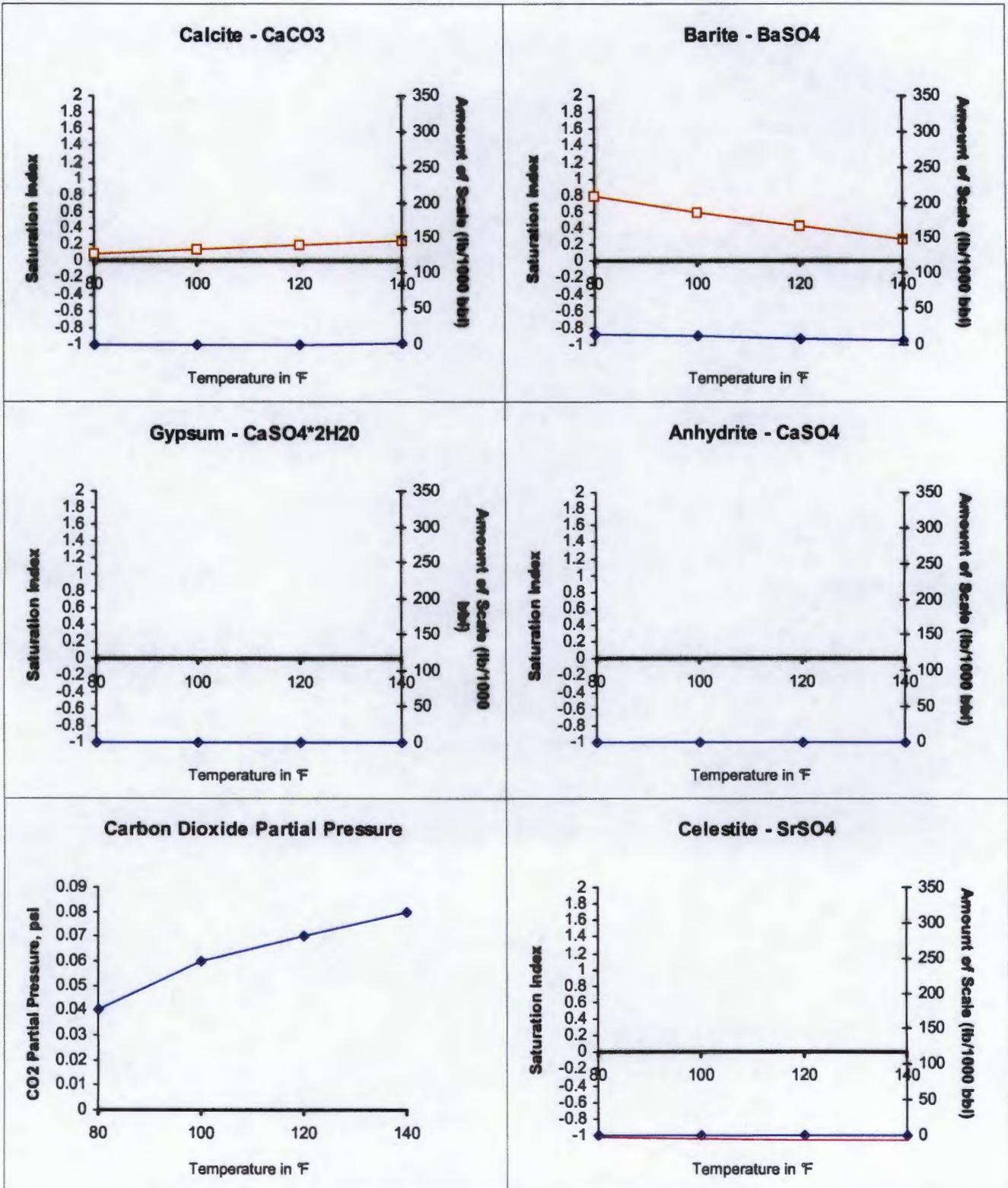
Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

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.

Scale Predictions from Baker Petrolite

Analysis of Sample 578318 @ 75 °F for DEVON ENERGY CORPORATION, 08/08/13



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C-108 Application for Injection
Injection Water Analysis for
Todd 27 Federal 15
Delaware 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:	CARLSBAD, NM	Sample #:	578332
Lease/Platform:	TODD 27 FEDERAL	Analysis ID #:	135098
Entity (or well #):	15	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

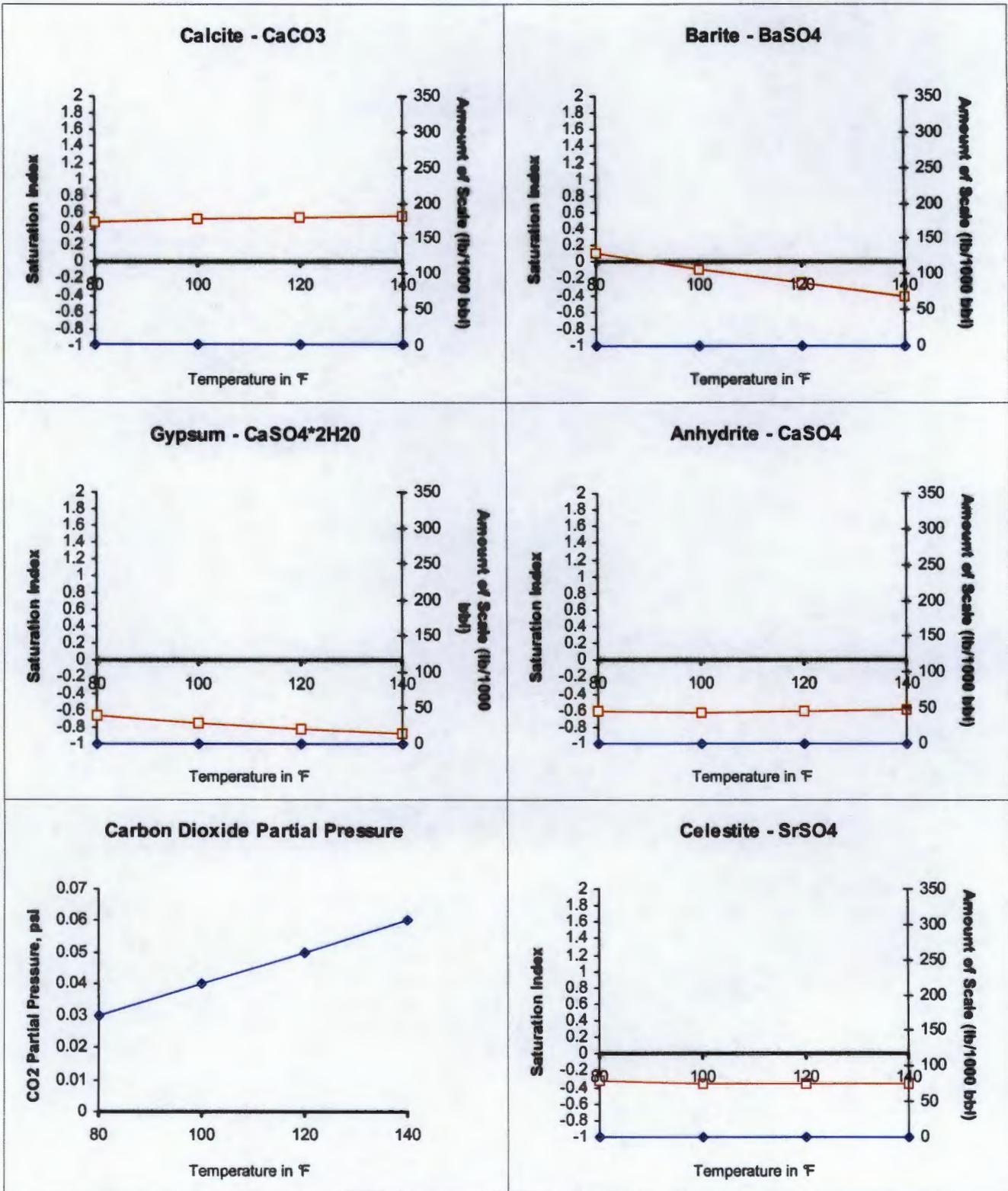
Summary		Analysis of Sample 578332 @ 75 F			
		Anions		Cations	
		mg/l	meq/l	mg/l	meq/l
Sampling Date:	07/22/13	Chloride:	186000.0	Sodium:	72639.0
Analysis Date:	08/08/13	Bicarbonate:	36.6	Magnesium:	4048.0
Analyst:	SANDRA SANCHEZ	Carbonate:	0.0	Calcium:	23385.0
TDS (mg/l or g/m3):	289562.6	Sulfate:	131.0	Strontium:	1578.0
Density (g/cm3, tonne/m3):	1.198	Phosphate:		Barium:	3.5
Anion/Cation Ratio:	0.9030033	Borate:		Iron:	28.0
		Silicate:		Potassium:	1707.0
Carbon Dioxide:	20 PPM	Hydrogen Sulfide:	0 PPM	Aluminum:	
Oxygen:		pH at time of sampling:	6.8	Chromium:	
Comments:		pH at time of analysis:		Copper:	
		pH used in Calculation:	6.8	Lead:	
				Manganese:	6.500
				Nickel:	0.24

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
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.49	1.06	-0.66	0.00	-0.60	0.00	-0.32	0.00	0.12	0.53	0.03
100	0	0.52	1.33	-0.74	0.00	-0.62	0.00	-0.35	0.00	-0.08	0.00	0.04
120	0	0.54	1.59	-0.82	0.00	-0.61	0.00	-0.35	0.00	-0.25	0.00	0.05
140	0	0.56	1.86	-0.88	0.00	-0.58	0.00	-0.35	0.00	-0.40	0.00	0.06

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.

Scale Predictions from Baker Petrolite

Analysis of Sample 578332 @ 75 °F for DEVON ENERGY CORPORATION, 08/08/13



Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

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

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

July 18 _____ 2013

That the cost of publication is **\$57.41** and that payment thereof has been made and will be assessed as court costs.

Kathy McCarroll

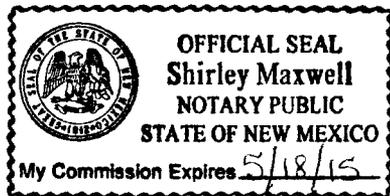
Subscribed and sworn to before me this

18th day of July, 2013

Shirley Maxwell

My commission Expires on May 18, 2015

Notary Public



July 18, 2013

Legal Notice

Devon Energy Production Company, LP, 333 West Sheridan Avenue, 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 well is located well the Todd 27F Federal Well, located 330' FSL & 330' DST, Section 27, Township 23 South, Range 3 East, in Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Delaware formation. The disposal water will be injected into the Delaware Bell and Cherry Canyon formations at a depth of 4450' to 5720', at a maximum surface pressure of 900 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 Trevor Klaassen at Devon Energy Corporation, 333 West Sheridan Avenue, Oklahoma City, OK 73102-8260; or call (405) 552-5069.

23S 31E

Devon
Marathon, et al

Devon
Marathon, et al

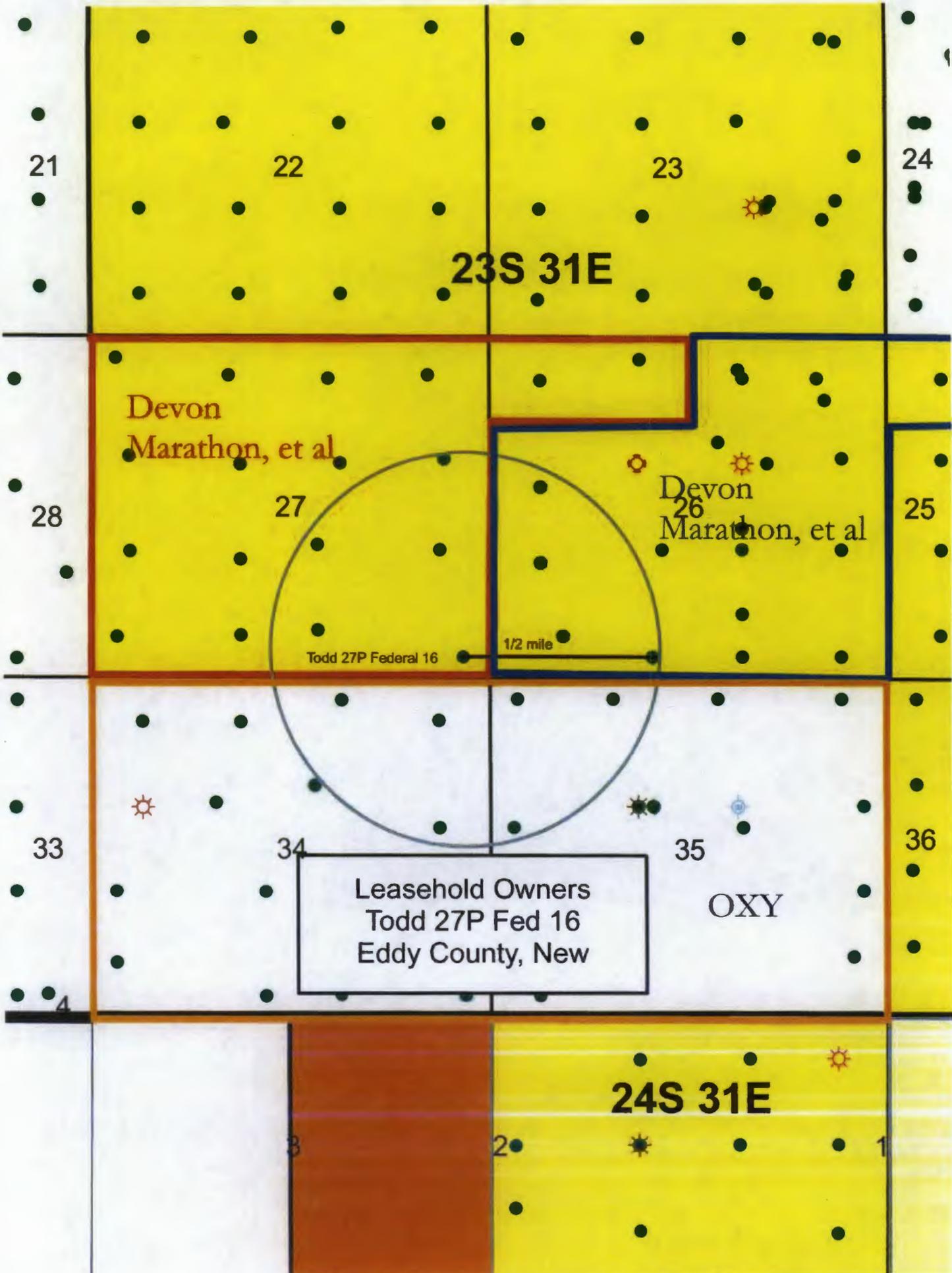
Todd 27P Federal 16

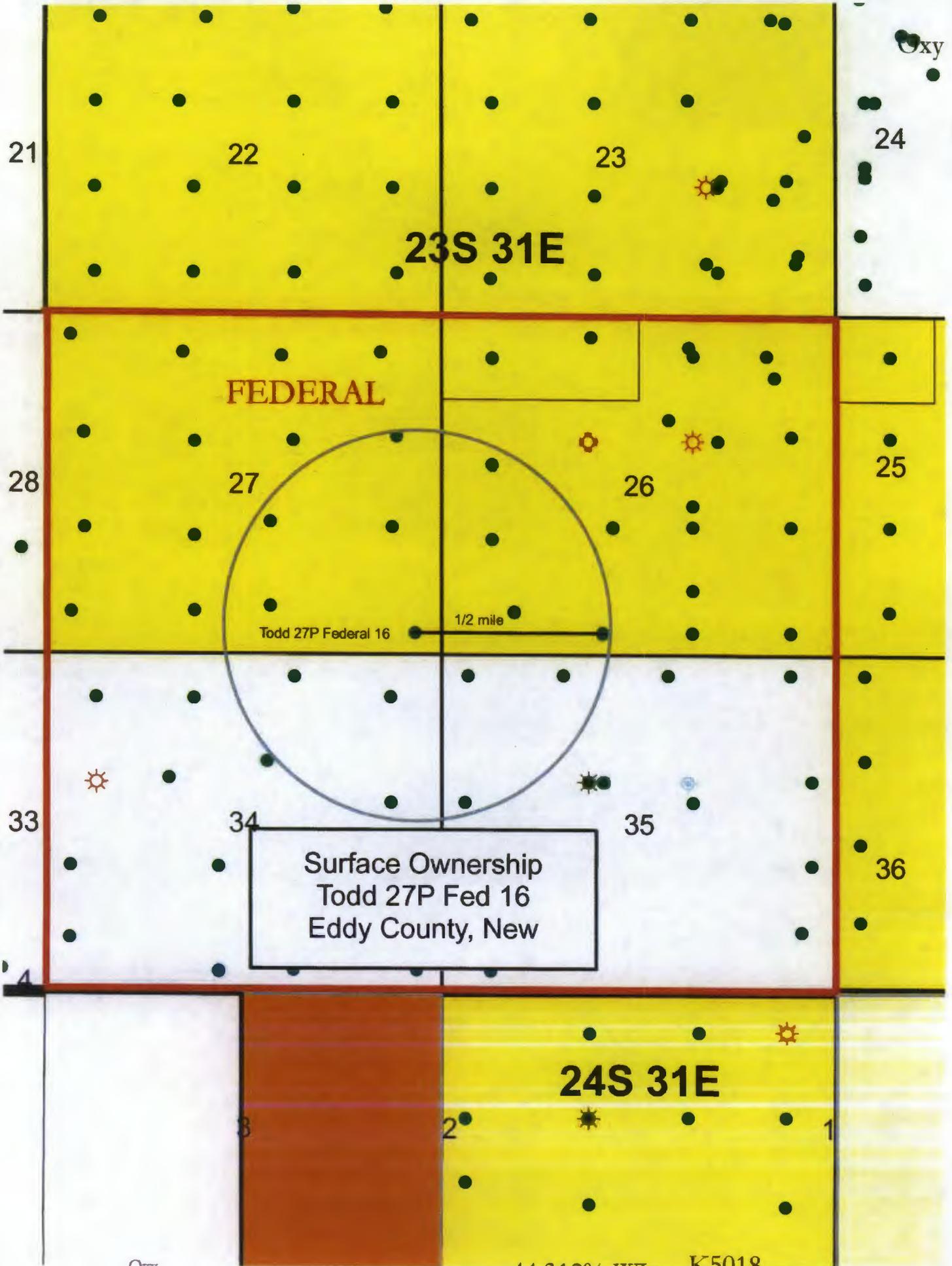
1/2 mile

Leasehold Owners
Todd 27P Fed 16
Eddy County, New

OXY

24S 31E





Oxy

21

22

23

24

23S 31E

FEDERAL

28

27

26

25

Todd 27P Federal 16

1/2 mile

33

34

35

36

Surface Ownership
Todd 27P Fed 16
Eddy County, New

24S 31E

K5018

Leasehold Ownership
½ mile Todd 27P Federal 16 SWD

23S-31E Section 26: S2, S2N2, N2NE4

Devon Energy Production Company, L.P. 333 W. Sheridan Ave.	Oklahoma City OK	73102-5010
Bascom Mitchell Family Partnership, L.P. No. 1 Live Oak	Midland, TX	79705
Joe N. Gifford P. O. Box 51187	Midland, TX	79710-1187
Mary Patricia Dougherty Trust c/o Northern Bank of Texas Attn: David J. Parker 2701 Kirby Drive	Houston, TX	77098
Obie & Company c/o JPMorgan Chase Bank Attn: H. L. Thompkins 2200 Ross Avenue, 7th Floor	Dallas, TX	75201
Thomas E. Kelly TEK Properties, Ltd. 4705 Miramont Circle	Bryan, TX	77802
Otto E. Schroeder, Jr. 915 Fielder Road	Arlington, TX	76012-3147
Catherine M. Grace c/o Dan Serna & Company 6031 W. I-20, Suite 251	Arlington, TX	76017
Mary Margaret Olson Trust c/o Dan Serna & Company 6031 W. I-20, Suite 251	Arlington, TX	76017
L. Edward Innerarity, Jr. P.O. Box 2113	Midland, TX	79702

Miranda Energy Corp. 24 Smith Road, Suite 601	Midland, TX	79705
Marathon Oil Company Attn: Paul Tauscher P.O. Box 3128	Houston, TX	77253-3128
Mabee Flynt Lease Trust 11010 Crestmore St.	Houston, TX	77096
Nortex Corporation 1415 Louisiana, Ste. 3100	Houston, TX	77002

23S-31E Section 27: All

Devon Energy Production Company, L.P. 333 W. Sheridan Ave.	Oklahoma City OK	73102-5010
Bascom Mitchell Family Partnership, L.P. No. 1 Live Oak	Midland, TX	79705
Joe N. Gifford P. O. Box 51187	Midland, TX	79710-1187
Mary Patricia Dougherty Trust c/o Northern Bank of Texas Attn: David J. Parker 2701 Kirby Drive	Houston, TX	77098
Obie & Company c/o JPMorgan Chase Bank Attn: H. L. Thompkins 2200 Ross Avenue, 7th Floor	Dallas, TX	75201
Thomas E. Kelly TEK Properties, Ltd. 4705 Miramont Circle	Bryan, TX	77802
Otto E. Schroeder, Jr. 915 Fielder Road	Arlington, TX	76012-3147

Catherine M. Grace
c/o Dan Serna & Company
6031 W. I-20, Suite 251
Arlington, TX 76017

Mary Margaret Olson Trust
c/o Dan Serna & Company
6031 W. I-20, Suite 251
Arlington, TX 76017

Marathon Oil Company
Attn: Paul Tauscher
P.O. Box 3128
Houston, TX 77253-3128

L. E. Oppermann
500 W. Texas Ave. Ste. 830
Midland, TX 79701-4276

OXY U.S.A., Inc.
P.O. Box 27570
Houston, TX 77227-7570

Southwest Petroleum Corp.
P.O. Box 25623
Overland Park, KS 66225-5623

23S-31E Section 34: All

OXY U.S.A., Inc.
P.O. Box 27570
Houston, TX 77227-7570

23S-31E Section 35: All

OXY U.S.A., Inc.
P.O. Box 27570
Houston, TX 77227-7570

Todd 27P Fed 16 SWD Working Interest

Devon Energy Production Company, L.P.	67.489307%
Bascom Mitchell Family Partnership, L.P.	0.195312%
Joe N. Gifford	0.195313%
Mary Patricia Dougherty Trust	0.133300%
Obie & Company	0.195927%
Thomas E. Kelly	0.200000%
Otto E. Schroeder, Jr.	0.001391%
Catherine M. Grace	0.001391%
Mary Margaret Olson Trust	0.001391%
Marathon Oil Company	22.785676%
L. E. Oppermann	0.326925%
OXY U.S.A., Inc.	5.531742%
Southwest Petroleum Corp.	<u>2.942325%</u>
	Total-100%

Section XIV--Proof of Notice to Surface Land Owner
Devon Energy Prod Co LP
C108 Application For Injection
Proposed Well: Todd 27P Federal 16

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

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

Certified receipt No.
7008 1830 0002 7421 5040

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 Todd 27P Federal #16.

Date Mailed: 9/04/2013

Signature: [Handwritten Signature]

Date: 9/24/2013

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

Section XIV--Proof of Notice to Leasehold Operators
 Devon Energy Prod Co LP
 C108 Application For Injection
 Proposed Well: Todd 27P Federal #16

Proof of Notice to Leasehold Operators within 1/2 mile of Todd 27P Federal #16

Bascom Mitchell Family Partnership No. 1 Live Oak Midland, TX 79705	Certified receipt No. 7008 1830 0003 1986 6435	L. Edward Innerarity, Jr. P.O. Box 2113 Midland, TX 79702	Certified receipt No. 7008-1830-0002-7421-5125
Joe N. Gifford P.O. Box 51187 Midland, TX 79710-1187	Certified receipt No. 7006-2760-0003-6282-6432	Miranda Energy Corp. 24 Smith Road, Suite 601 Midland, TX 79705	Certified receipt No. 7008-1830-0002-7421-5118
Mary Patricia Dougherty Trust c/o Northern Bank of Texas Attn: David J. Parker 2701 Kirby Drive Houston, TX 77098	Certified receipt No. 7008-1830-0003-1986-6428	Marathon Oil Company Attn: Paul Tausher P.O. Box 3128 Houston, TX 77253-3128	Certified receipt No. 7008-1830-0002-7421-5101
Obie & Company c/o JP Morgan Chase Bank Attn: H.L. Thompkins 2200 Ross Avenue, 7th Floor Dallas, Texas 75201	Certified receipt No. 7006-2760-0003-6282-6395	Mabee Flynt Lease Trust 11010 Crestmore St. Houston, TX 77096	Certified receipt No. 7008-1830-0002-7421-5095
Thomas E. Kelly - TEK Properties, Ltd 4705 Miramont Circle Bryan, TX 77802	Certified receipt No. 7008-1830-0003-1986-6381	Nortex Corporation 1415 Louisiana, STE 3100 Houston, TX 77002	Certified receipt No. 7008-1830-0002-7421-5088
Otto E. Schroeder, Jr. 915 Fielder Road Arlington, TX 76012-3147	Certified receipt No. 7008-1830-0002-7421-5149	L.E. Opperman 500 W. Texas Ave. Ste. 830 Midland, TX 79701-4276	Certified receipt No. 7008-1830-0002-7421-5071
Catherine M. Grace c/o Dan Serna & Company 6031 W. I-20, Suite 251 Arlington, TX 76017	Certified receipt No. 7008-1830-0003-1986-6442	Oxy U.S.A., Inc. P.O. Box 27570 Houston, TX 77227-7570	Certified receipt No. 7008-1830-0002-7421-5064
Mary Margaret Olson Trust c/o Dan Serna & Company 6031 W. I-20, Suite 251 Arlington, TX 76017	Certified receipt No. 7008-1830-0002-7421-5132	Southwest Petroleum Corp. P.O. Box 25623 Overland Parks, KS 66225-5623	Certified receipt No. 7008-1830-0002-7421-5057

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 Todd 27P Federal #16.

Date Mailed: 8/04/2013
 Signature: [Handwritten Signature]
 Stephanie A. Porter, Operations Technician
 Devon Energy Production Co., L.P.
 333 West Sheridan Avenue
 Oklahoma City, OK 73102

Date: 8/04/2013



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Bascom Mitchell Family Partnership
No. 1 Live Oak
Midland, Texas 79705

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Bascom Mitchell Family Partnership:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Catherine M. Grace
c/o Dan Serna & Company
6031 W. I-20, Suite 251
Arlington, Texas 76017

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Catherine M. Grace:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Joe N. Gifford
P.O. Box 51187
Midland, Texas 79710-1187

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Joe N. Gifford:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

L. Edward Innerarity, Jr.
P.O. Box 2113
Midland, Texas 79702

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear L. Edward Innerarity, Jr.:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

L.E. Opperman
500 W. Texas Ave., STE 830
Midland, Texas 79701-4276

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear L.E. Opperman:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



September 4th, 2013

Marathon Oil Company
Attn: Paul Tausher
P.O. Box 3128
Houston, Texas 77253-3128

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Marathon Oil Company:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Mary Margaret Olson Trust
c/o Dan Serna & Company
6031 W. I-20, Suite 251
Arlington, Texas 76017

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Mary Margaret Olson Trust:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Mary Patricia Dougherty Trust
c/o Northern Bank of Texas
Attn: David J. Parker
2701 Kirby Drive
Houston, Texas 77098

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Mary Patricia Dougherty Trust:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Mabee Flynt Lease Trust
11010 Crestmore St.
Houston, Texas 77096

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Mabee Flynt Lease Trust:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Miranda Energy Corp.
24 Smith Road, Suite 601
Midland, Texas 79705

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Miranda Energy Corp.:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Nortex Corporation
1415 Louisiana, STE 3100
Houston, Texas 77002

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Nortex Corporation:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Porter". The signature is stylized and cursive.

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Obie & Company
c/o JP Morgan Chase Bank
Attn: H.L. Thompkins
2200 Ross Avenue, 7th Floor
Dallas, Texas 75201

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Obie & Company:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

A handwritten signature in black ink, appearing to read "S.A.P.", written over a light blue horizontal line.

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Otto E. Schroeder, Jr.
915 Fielder Road
Arlington, Texas 76012-3147

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Otto E. Schroeder, Jr.:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Oxy U.S.A., Inc.
P.O. Box 27570
Houston, Texas 77227-7570

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Oxy U.S.A., Inc.:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephanie A. Porter". The signature is stylized and somewhat cursive.

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Southwest Petroleum Corp.
P.O. Box 25623
Overland Parks, Kansas 66225-5623

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Southwest Petroleum Corp.:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephanie A. Porter". The signature is fluid and cursive, with a long horizontal stroke at the end.

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Thomas E. Kelly
TEK Properties, Ltd.
4705 Miramont Circle
Bryan, Texas 77802

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Thomas E. Kelly:

Please find attached Devon Energy Production Company, LP's Form C-108; Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as having leasehold ownership within the ½ mile review area around the Todd 27P Federal #16 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan
Oklahoma City, OK 73102-8260

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Bureau of Land Management
620 East Greene Street
Carlsbad, New Mexico 88210-6292

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API# 30-015-27106
Eddy County, NM
Section 27, T23S, R31E; 330' FSL & 330' FEL

Dear Bureau of Land Management:

Please find attached Devon Energy Production Company, LP's Form C-108, Application for Authorization to Inject.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal. Produced waters will be injected into the Bell & Cherry Canyon formation from 4450-5720'.

As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as the well site surface land owner. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephanie A. Porter". The signature is stylized and written in a cursive-like font.

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

Oil Conservation Division
811 S. First Street
Artesia, New Mexico 88210

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Conservation Division-Artesia District Office:

Please find attached Devon Energy Production Company, LP's Form C-108, Application for Authorization to Inject. The original application has been filed with the Oil Conservation Division-Santa Fe Office.

Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

The surface land owner and operators with leasehold ownership have been notified with Devon's application to inject via certified mail.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

September 4th, 2013

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

RE: Form C-108, Application for Authorization to Inject
Todd 27P Federal #16; API 30-015-27106
Eddy County, NM
Section 27, T23S, R31E

Dear Santa Fe Oil Conservation Division:

Please find attached Devon Energy Production Company, LP's Form C-108, Application for Authorization to Inject. Devon's application proposes to convert the Todd 27P Federal #16 to salt water disposal in the Bell & Cherry Canyon formation.

The surface land owner and operators with leasehold ownership have been notified with Devon's application to inject via certified mail. A copy of this application has been filed with the OCD-Artesia office.

If you have any questions, please contact Trevor Klaassen (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephanie A. Porter". The signature is stylized and includes a long horizontal stroke at the end.

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure

Goetze, Phillip, EMNRD

From: Christopher_Canon@oxy.com
Sent: Thursday, November 21, 2013 2:30 PM
To: Goetze, Phillip, EMNRD
Cc: Samuel.Walker@dvn.com
Subject: RE: Todd 27P Federal #16 Well C-108 Application Notice - Sec. 27, T23S-R31E, Eddy County, NM

Dear Phillip,

I am following up to my email to you below dated October 25, 2013. OXY and Devon have come to an agreement as to the planned perforations for the Todd 27P Federal #16 Well. Devon will change their plan for injection of the SWD to a proposed injection depth that will be a shortened and agreed injection interval of 4,750' - 5,720'.

Therefore, OXY withdraws its protest to the Todd 27P Federal #16 Well C-108 Application since the application will be amended to reflect this revised injection interval.

If you need anything further, please feel free to contact me at my information below. Thank you.

Regards,
Chris Canon
Senior Land Negotiator
OXY USA, Inc.
5 Greenway Plaza, Suite 110, Houston, Texas, 77046-0521 Direct 713.366.5226 Christopher_canon@oxy.com

THIS MESSAGE CONTAINS CONFIDENTIAL INFORMATION AND TRADE SECRETS OF OCCIDENTAL. UNAUTHORIZED USE OR DISCLOSURE IS PROHIBITED.

From: Canon, Christopher J
Sent: Friday, October 25, 2013 10:16 AM
To: 'Goetze, Phillip, EMNRD'
Subject: Todd 27P Federal #16 Well C-108 Application Notice - Sec. 27, T23S-R31E, Eddy County, NM
Importance: High

Dear Phillip,

OXY USA Inc. (hereinafter "OXY"), submits this protest of the Todd 27P Federal #16 Well C-108 application offered by Devon Energy Corporation and lying in the above described lands.

OXY is the owner/operator of the Cal-Mon #6 Well (API #30-015-26885) lying in Section 35, T23S-R31E, Eddy County, NM, and located within a one-half mile radius from the Todd 27P Federal #16 Well. OXY produces the Cal-Mon #6 Well from the Ingle Wells interval within the Delaware formation. Similarly, the Todd 27P Federal #16 Well will be injecting into the Bell and Cherry Canyon intervals in the Delaware formation. Our internal review of the application leads to the conclusion that proposed perforations in the Todd 27P Federal #16 will both communicate and interfere with production

from the Cal-Mon #6 Well. Additionally, OXY is the owner/operator of 7 other wells within a one-half mile radius from the Todd 27P Federal #16 Well that could be impacted by injection if this C-108 is approved.

Please note our protest of the subject application. If you need anything additional, please contact me either by email or my information below. Thank you.

Sincerely,

Christopher J. Canon

Senior Land Negotiator

OXY USA, Inc.

5 Greenway Plaza, Suite 110, Houston, Texas, 77046-0521 Direct 713.366.5226

Christopher_canon@oxy.com<mailto:Christopher_canon@oxy.com>

Goetze, Phillip, EMNRD

From: Porter, Stephanie <Stephanie.Porter@dvn.com>
Sent: Monday, November 11, 2013 9:43 AM
To: Christopher_Canon@oxy.com
Cc: Goetze, Phillip, EMNRD; Walker, Samuel; Klaassen, Trevor; Harran, Craig; Konan, Henry
Subject: Todd 27P Federal 16 SWD: Agreed Shortened Interval - Application Revisions Necessary?

Christopher,

I am waiting to hear back from Phillip Goetze to see if revisions are necessary to the application. Our written communication back and forth from Devon and OXY may be enough supporting documentation that will be included as part of the application, with the NMOCD granting the SWD order for the "**shortened and agreed injection interval of 4,570' – 5,720'**". OXY will probably still need to withdraw their objection formally with the NMOCD. We'll wait to hear back from Phillip. Thanks. ☺

Stephanie A. Porter

Permian New Mexico Technician
Phone: (405)-552-7802
Cell: (405)-721-7689
Fax: (405)-552-8113
DEC 31.326
Stephanie.Porter@dvn.com

Courage is being scared to death but saddling up anyway ~ John Wayne

From: Porter, Stephanie
Sent: Thursday, November 07, 2013 3:58 PM
To: Goetze, Phillip, EMNRD (Phillip.Goetze@state.nm.us)
Subject: Todd 27P Federal 16 SWD: Agreed Shortened Interval - Application Revisions Necessary?

Phillip,

Below our proposal to Oxy to revise the injection interval to 4,570' – 5,720', so that our SWD C-108 can be approved administratively. Oxy approves of the shortened interval. Do I need to revise the application contents (C-108, wellbore schematics, etc), or will you line through and denote the shortened interval within the original submitted application? If you tell me that revisions are not necessary to the original application, I will forward your comments to Christopher Cannon at OXY, so OXY can still formally withdraw their objection to you directly (NMOCD).

Just let me know, thanks. ☺

Stephanie A. Porter

Permian New Mexico Technician
Phone: (405)-552-7802
Cell: (405)-721-7689
Fax: (405)-552-8113
DEC 31.326
Stephanie.Porter@dvn.com

Courage is being scared to death but saddling up anyway ~ John Wayne

From: Walker, Samuel
Sent: Thursday, November 07, 2013 3:02 PM
To: Klaassen, Trevor; Porter, Stephanie; Harran, Craig
Subject: FW: Todd 27P Fed #16 SWD

Samuel Walker
Landman - Midcontinent

Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010
405 228 4342 Office
405 234 2634 Fax

From: [Christopher Canon@oxy.com](mailto:Christopher.Canon@oxy.com) [[mailto:Christopher Canon@oxy.com](mailto:Christopher.Canon@oxy.com)]
Sent: Thursday, November 07, 2013 2:51 PM
To: Walker, Samuel
Subject: RE: Todd 27P Fed #16 SWD

Samuel,

Oxy has reviewed Devon's offer to set the perforations for the Todd 27P Fed #16H SWD from 4570' – 5720'. Oxy approves this proposal. Once Devon has revised the existing application to reflect the above changes and provided proof to Oxy, Oxy will withdraw its objection currently on file with the NMOCD. If you agree with this plan, Oxy and Devon can proceed accordingly. Again, thank you for working with Oxy on this matter.

Regards,

Chris Canon
Senior Land Negotiator
OXY USA, Inc.
5 Greenway Plaza, Suite 110, Houston, Texas, 77046-0521
Direct 713.366.5226
Christopher.canon@oxy.com

From: Walker, Samuel [<mailto:Samuel.Walker@dvn.com>]
Sent: Wednesday, October 30, 2013 4:45 PM
To: Canon, Christopher J
Subject: Todd 27P Fed #16 SWD

Chris,

I spoke with my team and they decided that they would be okay with setting the perfs on the subject SWD well from 4,570' – 5,720', moving out of the area you requested. Please discuss this with your team and let me know if it sounds agreeable. I appreciate your help on this matter.

Regards,

Samuel Walker
Landman - Midcontinent

Devon Energy Corporation
333 West Sheridan Avenue

Goetze, Phillip, EMNRD

From: Christopher_Canon@oxy.com
Sent: Thursday, November 21, 2013 2:30 PM
To: Goetze, Phillip, EMNRD
Cc: Samuel.Walker@dvn.com
Subject: RE: Todd 27P Federal #16 Well C-108 Application Notice - Sec. 27, T23S-R31E, Eddy County, NM

Dear Phillip,

I am following up to my email to you below dated October 25, 2013. OXY and Devon have come to an agreement as to the planned perforations for the Todd 27P Federal #16 Well. Devon will change their plan for injection of the SWD to a proposed injection depth that will be a shortened and agreed injection interval of 4,750' - 5,720'.

Therefore, OXY withdraws its protest to the Todd 27P Federal #16 Well C-108 Application since the application will be amended to reflect this revised injection interval.

If you need anything further, please feel free to contact me at my information below. Thank you.

Regards,

Chris Canon

Senior Land Negotiator

OXY USA, Inc.

5 Greenway Plaza, Suite 110, Houston, Texas, 77046-0521 Direct 713.366.5226 Christopher_canon@oxy.com

THIS MESSAGE CONTAINS CONFIDENTIAL INFORMATION AND TRADE SECRETS OF OCCIDENTAL. UNAUTHORIZED USE OR DISCLOSURE IS PROHIBITED.

From: Canon, Christopher J
Sent: Friday, October 25, 2013 10:16 AM
To: 'Goetze, Phillip, EMNRD'
Subject: Todd 27P Federal #16 Well C-108 Application Notice - Sec. 27, T23S-R31E, Eddy County, NM
Importance: High

Dear Phillip,

OXY USA Inc. (hereinafter "OXY"), submits this protest of the Todd 27P Federal #16 Well C-108 application offered by Devon Energy Corporation and lying in the above described lands.

OXY is the owner/operator of the Cal-Mon #6 Well (API #30-015-26885) lying in Section 35, T23S-R31E, Eddy County, NM, and located within a one-half mile radius from the Todd 27P Federal #16 Well. OXY produces the Cal-Mon #6 Well from the Ingle Wells interval within the Delaware formation. Similarly, the Todd 27P Federal #16 Well will be injecting into the Bell and Cherry Canyon intervals in the Delaware formation. Our internal review of the application leads to the conclusion that proposed perforations in the Todd 27P Federal #16 will both communicate and interfere with production

from the Cal-Mon #6 Well. Additionally, OXY is the owner/operator of 7 other wells within a one-half mile radius from the Todd 27P Federal #16 Well that could be impacted by injection if this C-108 is approved.

Please note our protest of the subject application. If you need anything additional, please contact me either by email or my information below. Thank you.

Sincerely,

Christopher J. Canon

Senior Land Negotiator

OXY USA, Inc.

5 Greenway Plaza, Suite 110, Houston, Texas, 77046-0521 Direct 713.366.5226

Christopher_canon@oxy.com<mailto:Christopher_canon@oxy.com>

Goetze, Phillip, EMNRD

From: Goetze, Phillip, EMNRD
Sent: Monday, October 28, 2013 8:28 AM
To: Porter, Stephanie (Stephanie.Porter@dvn.com)
Cc: Ezeanyim, Richard, EMNRD; Shapard, Craig, EMNRD; Ingram, Wesley (wingram@blm.gov); 'Christopher_Canon@oxy.com'
Subject: Protest of C-108 Application for the Todd 27P Federal No. 16

RE: Todd 27P Federal #16 (API 30-015-27106) Sec 27, T. 23 S., R. 31 E., NMPM, Eddy County.

Stephanie:

To answer your question: OCD was notified by Mr. Christopher Canon, OXY USA Inc. [Senior Land Negotiator, Houston], that they are protesting this application. OXY USA Inc. states that approval of this application will interfere specifically with their production of the Cal-Mon #6 (API 30-015-26885) and the overall production of additional wells completed in the Bell Canyon/Cherry Canyon formations. Therefore, you are being notified that if Devon wishes for this application to be considered, it must either go to hearing or may be reviewed administratively if the protest is withdrawn as a result of a negotiated resolution with OXY USA. The application will be retained, but suspended from further administrative review. Please contact OCD once you have made a decision regarding the application. Please me call with any questions regarding this matter. PRG

Phillip R. Goetze, P.G.

Engineering Bureau, Oil Conservation Division
1220 South St. Francis Dr., Santa Fe, NM 87505
O: 505.476.3466 F: 505.476.3462

Goetze, Phillip, EMNRD

From: Christopher_Canon@oxy.com
Sent: Friday, October 25, 2013 9:16 AM
To: Goetze, Phillip, EMNRD
Subject: Todd 27P Federal #16 Well C-108 Application Notice - Sec. 27, T23S-R31E, Eddy County, NM

Importance: High

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OXY USA Inc. (hereinafter "OXY"), submits this protest of the Todd 27P Federal #16 Well C-108 application offered by Devon Energy Corporation and lying in the above described lands.

OXY is the owner/operator of the Cal-Mon #6 Well (API #30-015-26885) lying in Section 35, T23S-R31E, Eddy County, NM, and located within a one-half mile radius from the Todd 27P Federal #16 Well. OXY produces the Cal-Mon #6 Well from the Ingle Wells interval within the Delaware formation. Similarly, the Todd 27P Federal #16 Well will be injecting into the Bell and Cherry Canyon intervals in the Delaware formation. Our internal review of the application leads to the conclusion that proposed perforations in the Todd 27P Federal #16 will both communicate and interfere with production from the Cal-Mon #6 Well. Additionally, OXY is the owner/operator of 7 other wells within a one-half mile radius from the Todd 27P Federal #16 Well that could be impacted by injection if this C-108 is approved.

Please note our protest of the subject application. If you need anything additional, please contact me either by email or my information below. Thank you.

Sincerely,
Christopher J. Canon
Senior Land Negotiator
OXY USA, Inc.
5 Greenway Plaza, Suite 110, Houston, Texas, 77046-0521 Direct 713.366.5226 Christopher_canon@oxy.com



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

ADMINISTRATIVE ORDER SWD-676

***APPLICATION OF DEVON ENERGY CORPORATION FOR SALT WATER DISPOSAL,
EDDY COUNTY, NEW MEXICO.***

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), Devon Energy Corporation made application to the New Mexico Oil Conservation Division on July 24, 1997, for permission to complete for salt water disposal its Todd '27P' Federal Well No.16 located 330 feet from the South line and 330 feet from the East line (Unit P) of Section 27, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met;
- (4) The well is located in or near an area that has presented some concern that it may be considered a potentially sensitive area and might therefore warrant additional monitoring efforts, and;
- (5) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

The applicant herein, is hereby authorized to complete its Todd '27P' Federal Well No.16 located 330 feet from the South line and 330 feet from the East line (Unit P) of Section 27, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Bell Canyon formation at approximately 4694 feet to 5284 feet through 2 7/8-inch plastic-lined tubing set in a packer located at approximately 4594 feet.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

In the event the well is hydraulically fracture stimulated, either before or after initial injection operations have commenced, all individual proppant stages should be tagged with a radioactive isotope to allow for post-frac reconnaissance to attempt to determine the vertical fracture height.

Additional monitoring shall consist of annual temperature and radioactive tracer injection profile logs run in accordance with the guidelines as specified in Exhibit "A" attached hereto.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of any and all logs conducted pursuant to the preceding two paragraphs.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 939 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Bell Canyon formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

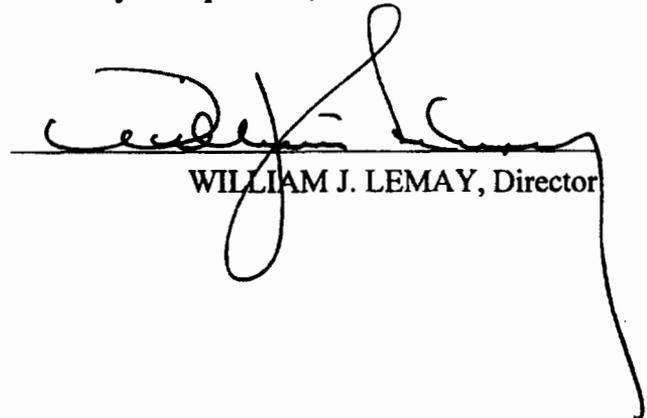
The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER THAT, jurisdiction of this cause is hereby retained by the Division for the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

The operator shall submit monthly reports of the disposal operations in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 24th day of September, 1997.


WILLIAM J. LEMAY, Director

WJL/BES

cc: Oil Conservation Division - Artesia
Bureau of Land Management - Carlsbad



Protected by OXY - protest withdrawn with smaller interval
C-108 Review Checklist: Received 9/6/13 Add. Request: 11/11/13 - Oxy withdrawn Reply Date: _____ Suspended: 9/20/13 [Ver 11]

PERMIT TYPE: WFX / PMX / SWD Number: 1455 Permit Date: 01/07/14 Legacy Permits/Orders: SWD-676

Well No. 16 Well Name(s): Todd 27P Federal supersede

API: 30-0 15-27106 Spud Date: 11/5/1992 New or Old: (N) (UIC Class II Primacy 03/07/1982)

Footages 330 FSL / 330 FEL Lot --- Unit P Sec 27 Tsp 23S Rge 31E County Eddy

General Location: South of WIPP - Pool: Former Ingle Wells; Delaware (Bore Springs) in area Pool No.: 33745

Operator: Dawn Energy Production Co. OGRID: 16137 Contact: Stephanie Porter

COMPLIANCE RULE 5.9: Inactive Wells: 3 Total Wells: 1829 Fincl Assur: Yes Compl. Order? No IS 5.9 OK? Yes

Well File Reviewed Current Status: Suspended operation - one month/year injection to hold

& SWD application for SWD-676

Well Diagrams: NEW: Proposed RE-ENTER: Before Conv. After Conv. Are Elogs in Imaging?: Yes

Planned Rehab Work to Well: Additional perfs (well maint & CIBP required after review)

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Conductor	---	---	---	---
Planned ___ or Existing ___ Surface	<u>17 1/2 / 13 3/8</u>	<u>0 to 849</u>	<u>650</u>	<u>Cir. to surf</u>
Planned ___ or Existing ___ Intern/Prod	<u>8 5/8 /</u>	<u>0 to 4350</u>	<u>2200</u>	<u>Surf. to surf</u>
Planned ___ or Existing ___ Prod/Intern	<u>7 7/8 / 5 1/2</u>	<u>0 to 8328</u>	<u>1150</u>	<u>WIP in 1117 / ext. to PC</u>
Planned ___ or Existing ___ Liner/Prod	---	---	---	---
Planned ___ or Existing ___ OH / PERF	<u>7 7/8 / 5 1/2</u>	<u>4750 - 5720</u>	<u>970</u>	---

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops?
Adjacent Unit: Litho. Struc. Por.	---	<u>Top of Salt</u>	---
Confining Unit: Litho. Struc. Por.	<u>± 400' ±</u>	<u>Salt Base of Salt</u>	<u>4154</u>
Proposed Inj Interval TOP:	<u>4750</u>	<u>Bell Canyon</u>	<u>4354</u>
Proposed Inj Interval BOTTOM:	<u>5720</u>	<u>Cherry Canyon</u>	<u>5507</u>
Confining Unit: Litho. Struc. Por.	<u>- 2210</u>	<u>Brushy Canyon</u>	<u>6930</u>
Adjacent Unit: Litho. Struc. Por.	---	<u>Bore Springs</u>	<u>8214</u>

Completion/Operation Details:	
Drilled TD	<u>8328</u> PBDT <u>7940 CIBP</u>
NEW TD	---
NEW PBDT	<u>5305</u>
NEW Open Hole	<input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/>
Tubing Size	<u>2 3/8</u> in. Inter Coated? <u>Yes</u>
Proposed Packer Depth	<u>< 100</u> min
Min. Packer Depth	<u>4650</u> (100-ft limit)
Proposed Max. Surface Press.	<u>890</u> psi
Admin. Inj. Press.	<u>950</u> (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P Noticed? Yes BLM Sec Ord WIPP Noticed? Yes SALADO: T: 4816 B: 4154 CLIFF HOUSE NA
 FRESH WATER: Formation under SWD-676 Max Depth Wells? plus contacted for SWD-676 FW Analysis HYDROLOGIC AFFIRM By Qualified Person

Disposal Fluid: Formation Source(s) Delaware/BS Analysis? Yes On Lease Operator Only or Commercial

Disposal Interval: Injection Rate (Avg/Max BWPP): 5000/10000 Protectable Waters: No CAPITAN REEF: thru adj NA

HC Potential: Producing Interval? No - not for well Formerly Producing? No - not for well Method: Log/DST/P&A/Other No producing well for USC & CC at location

AOR Wells: 1/2-M Radius Map? Yes Well List? Yes Total No. Wells Penetrating Interval: 11 Horizontals? 0

Penetrating Wells: No. Active Wells 10 Num Repairs? 0 on which well(s)? (Standard R-111-P const) Diagrams? No

Penetrating Wells: No. P&A Wells 1 Num Repairs? 0 on which well(s)? --- Diagrams? Yes

NOTICE: Newspaper Date July 18, 2013 Mineral Owner BLM Surface Owner BLM N. Date 01/04/13

RULE 26.7(A): Identified Tracts? Yes Affected Persons: Dawn/ Marathon/ OXY USA N. Date 09/04/13

Permit Conditions: Issues: Revised injection interval per agreement with OXY*

Add Permit Cond: Squeez upper perfs 4450 to 4750; CIBP to be placed within

Goetze, Phillip, EMNRD

From: Porter, Stephanie <Stephanie.Porter@dvn.com>
Sent: Monday, November 11, 2013 9:43 AM
To: Christopher_Canon@oxy.com
Cc: Goetze, Phillip, EMNRD; Walker, Samuel; Klaassen, Trevor; Harran, Craig; Konan, Henry
Subject: Todd 27P Federal 16 SWD: Agreed Shortened Interval - Application Revisions Necessary?

Christopher,

I am waiting to hear back from Phillip Goetze to see if revisions are necessary to the application. Our written communication back and forth from Devon and OXY may be enough supporting documentation that will be included as part of the application, with the NMOCD granting the SWD order for the "**shortened and agreed injection interval of 4,570' – 5,720'**". OXY will probably still need to withdraw their objection formally with the NMOCD. We'll wait to hear back from Phillip. Thanks. ☺

Stephanie A. Porter

Permian New Mexico Technician
Phone: (405)-552-7802
Cell: (405)-721-7689
Fax: (405)-552-8113
DEC 31.326
Stephanie.Porter@dvn.com

Courage is being scared to death but saddling up anyway ~ John Wayne

From: Porter, Stephanie
Sent: Thursday, November 07, 2013 3:58 PM
To: Goetze, Phillip, EMNRD (Phillip.Goetze@state.nm.us)
Subject: Todd 27P Federal 16 SWD: Agreed Shortened Interval - Application Revisions Necessary?

Phillip,

Below our proposal to Oxy to revise the injection interval to 4,570' – 5,720', so that our SWD C-108 can be approved administratively. Oxy approves of the shortened interval. Do I need to revise the application contents (C-108, wellbore schematics, etc), or will you line through and denote the shortened interval within the original submitted application? If you tell me that revisions are not necessary to the original application, I will forward your comments to Christopher Cannon at OXY, so OXY can still formally withdraw their objection to you directly (NMOCD).

Just let me know, thanks. ☺

Stephanie A. Porter

Permian New Mexico Technician
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Cell: (405)-721-7689
Fax: (405)-552-8113
DEC 31.326
Stephanie.Porter@dvn.com

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From: Walker, Samuel
Sent: Thursday, November 07, 2013 3:02 PM
To: Klaassen, Trevor; Porter, Stephanie; Harran, Craig
Subject: FW: Todd 27P Fed #16 SWD

Samuel Walker
Landman - Midcontinent

Devon Energy Corporation
333 West Sheridan Avenue
Oklahoma City, OK 73102-5010
405 228 4342 Office
405 234 2634 Fax

From: [Christopher Canon@oxy.com](mailto:Christopher_Canon@oxy.com) [mailto:Christopher_Canon@oxy.com]
Sent: Thursday, November 07, 2013 2:51 PM
To: Walker, Samuel
Subject: RE: Todd 27P Fed #16 SWD

Samuel,

Oxy has reviewed Devon's offer to set the perforations for the Todd 27P Fed #16H SWD from 4570' – 5720'. Oxy approves this proposal. Once Devon has revised the existing application to reflect the above changes and provided proof to Oxy, Oxy will withdraw its objection currently on file with the NMOCD. If you agree with this plan, Oxy and Devon can proceed accordingly. Again, thank you for working with Oxy on this matter.

Regards,

Chris Canon
Senior Land Negotiator
OXY USA, Inc.
5 Greenway Plaza, Suite 110, Houston, Texas, 77046-0521
Direct 713.366.5226
Christopher_canon@oxy.com

From: Walker, Samuel [mailto:Samuel.Walker@dvn.com]
Sent: Wednesday, October 30, 2013 4:45 PM
To: Canon, Christopher J
Subject: Todd 27P Fed #16 SWD

Chris,

I spoke with my team and they decided that they would be okay with setting the perfs on the subject SWD well from 4,570' – 5,720', moving out of the area you requested. Please discuss this with your team and let me know if it sounds agreeable. I appreciate your help on this matter.

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Samuel Walker
Landman - Midcontinent

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Goetze, Phillip, EMNRD

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Sent: Friday, October 25, 2013 10:16 AM

To: 'Goetze, Phillip, EMNRD'

Subject: Todd 27P Federal #16 Well C-108 Application Notice - Sec. 27, T23S-R31E, Eddy County, NM

Importance: High

Dear Phillip,

OXY USA Inc. (hereinafter "OXY"), submits this protest of the Todd 27P Federal #16 Well C-108 application offered by Devon Energy Corporation and lying in the above described lands.

OXY is the owner/operator of the Cal-Mon #6 Well (API #30-015-26885) lying in Section 35, T23S-R31E, Eddy County, NM, and located within a one-half mile radius from the Todd 27P Federal #16 Well. OXY produces the Cal-Mon #6 Well from the Ingle Wells interval within the Delaware formation. Similarly, the Todd 27P Federal #16 Well will be injecting into the Bell and Cherry Canyon intervals in the Delaware formation. Our internal review of the application leads to the conclusion that proposed perforations in the Todd 27P Federal #16 will both communicate and interfere with production from the Cal-Mon #6 Well. Additionally, OXY is the owner/operator of 7 other wells within a one-half mile radius from the Todd 27P Federal #16 Well that could be impacted by injection if this C-108 is approved.

Please note our protest of the subject application. If you need anything additional, please contact me either by email or my information below. Thank you.

Sincerely,

Christopher J. Canon

Senior Land Negotiator

OXY USA, Inc.

5 Greenway Plaza, Suite 110, Houston, Texas, 77046-0521 Direct 713.366.5226

Christopher_canon@oxy.com<mailto:Christopher_canon@oxy.com>

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