

DATE IN 04/24/13	SUSPENSE	ENGINEER PRG	LOGGED IN 05/29/13	TYPE SWD	APP NO. PPRG1314950019
------------------	----------	--------------	--------------------	----------	------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



30-015-32274

Burton Flat

Deep Unit # 44

## ADMINISTRATIVE APPLICATION CHECKLIST

Devon Energy

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] - BLM

[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]

2nd Package

Protested 1st

Submittal

### [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 \_\_\_\_\_

GR/CEL Radial Bond  
Included

### [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

RECEIVED OCD  
2013 MAY 24 P 2:32

### [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@dm.com  
e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage  
Application qualifies for administrative approval? X 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 X No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Stephanie A. Porter TITLE: Operations Technician  
SIGNATURE: [Signature] DATE: 11/22/2013  
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: 3-1/2" Lining Material: IPC

Type of Packer: 7" Nickel Coated Arrowset Packer

Packer Setting Depth: +/- 12267

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

#### Additional Data

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

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

2. Name of the Injection Formation: Devonian

3. Name of Field or Pool (if applicable): Currently assigned to Burton Flat; Morrow (Pro Gas); pending NMOCD Devonian Field assignment

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.

Morrow: 10895-10986, 11162-11224, 11291-11304

Devonian Carbonate 12317-12325, 12403-12404, 12407-12411, 12416-12440, 12451-12459.

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

Capitan 770; Delaware 2810; Bone Spring 5132; Bone Spring 1- 6335; Bone Spring 2 -7065'; Bone Spring 3 - 8365; Wolfcamp 8740; Strawn 10440; Low Strawn 10462; Atoka 10550; Morrow 10950, Morrow A 11070, Morrow B 11113; Morrow C 11159; Morrow D 11229; Morrow L 11291; Barnett 11430'; Mississippian 11782; Woodford Shale 12250; Devonian 12308

WELL LOCATION: 3555' FSL & 1660' FWL LOT 14 Sec 3 T21S R27E  
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

**WELL CONSTRUCTION DATA**

Hole Size: 17-1/2" \_\_\_\_\_ Casing Size: 13-3/8", 48# @ 620'

Cemented with: 500 \_\_\_\_\_ sx. *or* \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: Surface Method Determined: Circ. cement

Hole Size: 12- 1/4" Casing Size: 9-5/8", 40#, @ 2810'  
Cemented with: 1205 sx. **or** \_\_\_\_\_ ft<sup>3</sup>  
Top of Cement: Surface Method Determined: Circ. cement

Hole Size: 8-3/4" Casing Size: 7", 26#, @ 12600'  
Cemented with: 640        sx. *or*                                    ft<sup>3</sup>  
Top of Cement: 9650' Method Determined: CBL         
(Cmt from 2990' to surf)

12306' to 12600'

(Perforated or Open Hole; indicate which)

**Proposed Injection Well: Burton Flat Deep Unit #44**

API: 30-015-32274

**APPLICATION FOR INJECTION**

Form C-108 Section III

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

**A. Injection Well Information**

- (1) Lease Burton Flat Deep Unit  
Well No #44  
Location 3555 FSL & 1660' FWL  
Sec,Twn,Rnge Sec 3-T21S-R27E  
Cnty, State Eddy County, NM
- (2) Casing 13-3/8", 48#, H-40, STC, @ 620'  
Cmt'd w/500 sx, circ cmt to surf  
  
9-5/8", 40, J55 & M80, STC, @ 2,810'  
Cmt'd w/1205, circ cmt to surf  
  
7", 26#, L-80 & P110, @ 12600'  
Cmt w/640 sx, TOC @ 9650 per CBL  
Cmt from 2990' to surface
- (3) Injection Tubing 3-1/2" 9.3# L-80 IPC injection tubing
- (4) Packer 7" Nickel Coated Arrowset Packer @ +/- 12267

**B. Other Well Information**

- (1) Injection Formation: Devonian  
Field Name: To be assigned by NMOCD
- (2) Injection Interval: 12306-12600'

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

Oil & Gas Producer

(4) **Other perforated intervals:**

Morrow: 10895-10986, 11162-11224, 11291-11304  
Devonian Carbonate: 12317-12325, 12403-12404, 12407-12411, 12416-12440, 12451-12459

(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.**

Capitan 770; Delaware 2810; Bone Spring 5132; Bone Spring 1- 6335; Bone Spring 2 -7065'; Bone Spring 3 - 8365; Wolfcamp 8740; Strawn 10440; Low Strawn 10462; Atoka 10550; Morrow 10950, Morrow A 11070, Morrow B 11113; Morrow C 11159; Morrow D 11229; Morrow L 11291; Barnett 11430'; Mississippian 11782; Woodford Shale 12250; Devonian 12308

**Proposed Injection Well: Burton Flat Deep Unit #44**

API: 30-015-32274

**APPLICATION FOR INJECTION**

Form C-108 Section VII to XIII

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

- (1) Proposed average injection rate: 2000 BWPD  
Proposed maximum injection rate: 5000 BWPD
- (2) The system will be a closed system.
- (3) Proposed average injection pressure: 1230 psi  
Proposed max injection pressure: 2460 psi
- (4) The injection fluid will be produced water from area wells producing from the Delaware and Bone Spring formations that will be injected into the Devonian formation.
- (5) A representative water analysis is submitted for the Delaware and Bone Spring formation.

**VIII Geologic Injection Zone Data**

**Oil or gas productive capability in Burton Flat Deep Unit #44 in the Siluro/Devonian  
(W2 3-21S-27E; TD 12600')**

The injection zone is the Devonian formation from 12306' to 12600'. The gross injection interval is 294" thick. The Devonian formation is a Permian aged sandstone. The average depth to fresh water is 50' in this area.

The proposed interval for disposal per the Burton Flat Deep Unit #44 SWD APD is the Siluro/Devonian from 12,306' to 12,600'. A review of the wells surrounding the drill site shows that the closest Siluro/Devonian penetrations are Cedar Hills Unit #1 in 15-T21S-R27E (2.35 miles SSE), Stebbins Deep Federal #1 in 30-T20S-R29E (4.80 miles NE), and the Government NBFD #1 in 11-T20S-28E (5.13 miles NNE). A DST was performed in the Cedar Hills Unit #1 (12,761'-12,811') and recovered 3,588' of saltwater. A DST in the Stebbins Deep Federal #1 (13,144'-13,391') recovered 9,761' of saltwater. A production test of the Devonian in the Government NBFD #1 (12,204'-12,324') produced 49 barrels of water in 4.5 hours. From log evaluation, DSTs, and/or perforations in these offsets and perforations in the Burton Flat Deep #44, there are no economic quantities of hydrocarbon gas in the Siluro/Devonian in the area.

**IX Proposed Stimulation**

Based on injectivity results this interval could be acid stimulated.

**X Log Data**

Logs have previously been submitted to the OCD.

**XI Fresh Water Analysis**

No fresh water wells were identified in the vicinity of the Burton Flat Deep Unit #44 well.

**XII Geologic / Engineering Statement**

An examination of this area has determined there are no open faults or other hydrologic connection between the disposal zone and any underground drinking water.

**XIII Proof of Notice**

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

Comments for the Burton Flat Deep Unit #44 application for conversion to saltwater disposal.

Name of the Injection Formation: **Silurian/Devonian**

Field or Pool Name (if known):

Injection Interval: **12,306'-12,600' perforated**

Depth to Fresh Water's Stratigraphic Unit Name: **Rustler**

Depth to Ground Water: **50' (CP 00920; NESENW 33-20S/28E)**

Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well: Next Higher - **Morrow (11,290')**; Next Lower - **N/A**

Potential Productivity of the target disposal interval: **See Comments Below**

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 hydrological connection between the disposal zone and any underground drinking water (generic statement incorporated into Geologic/Engineering statement section of application)

Disposal water will be sourced from area wells from the **Bone Spring and/or Delaware** formation(s).

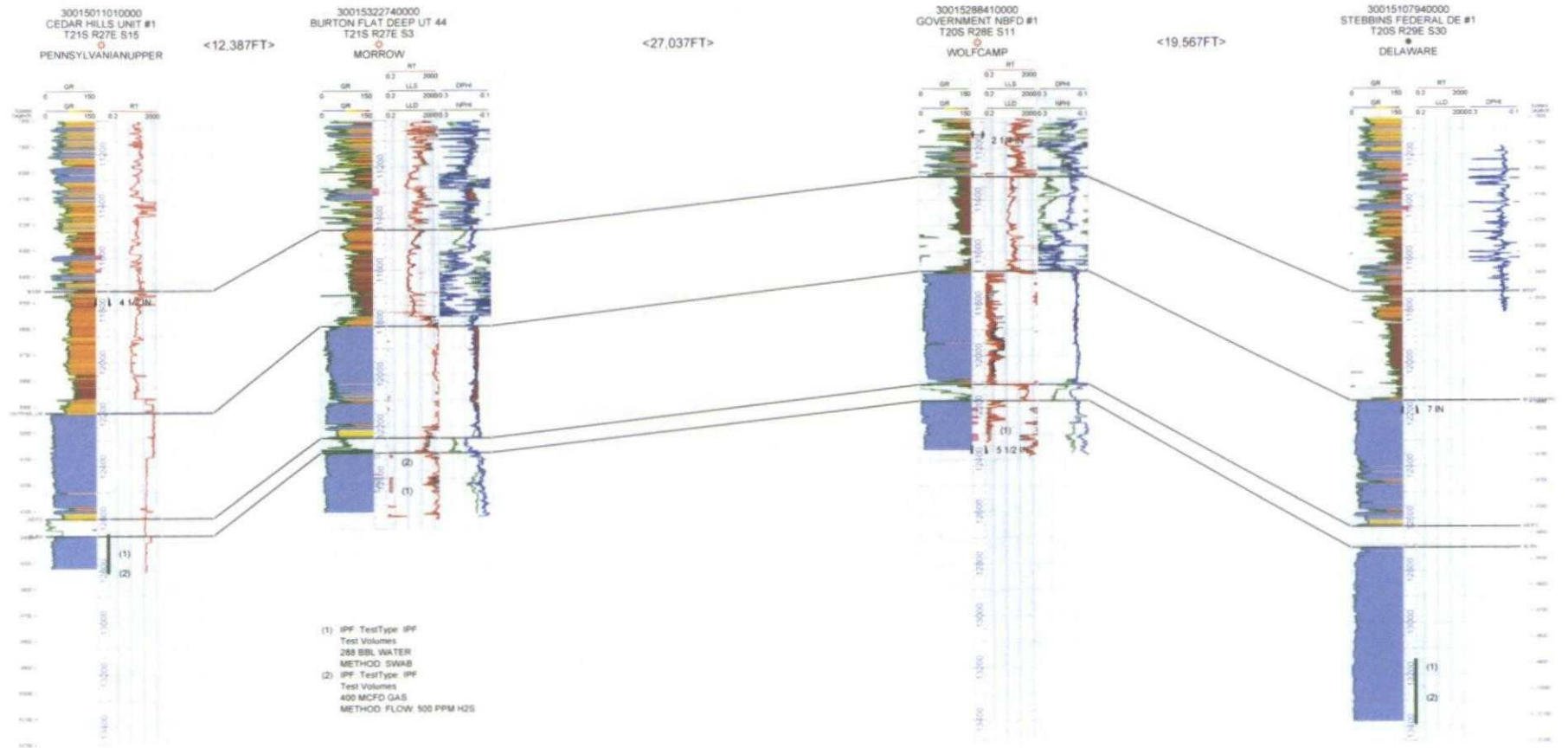
**Burton Flat Deep Unit #44 (W2 3-21S-27E; TD 12600')**

The proposed interval for disposal per the Burton Flat Deep Unit #44 SWD APD is the Silurian/Devonian from 12,306' to 12,600'. A review of the wells within a six (6) mile radius of the drill site shows that the closest Silurian/Devonian penetrations are Cedar Hills Unit #1 in 15-T21S-R27E (2.35 miles SSE), Stebbins Deep Federal #1 in 30-T20S-R29E (4.80 miles NE), and the Government NBFD #1 in 11-T20S-28E (5.13 miles NNE). These wells are shown on the subsequent map and cross-section along with the BFDU #44. These wells all tested the Silurian/Devonian in some capacity. None of the DST or PTS tests produced hydrocarbons in quantities that warranted further testing and/or completion. Below are the test results for the other three (3) wells in the cross-section.

1. Cedar Hills Unit #1 (API# 3001501101)
  - a. Closest test to the BFDU 44, is 2.34 miles and ~300 FT downdip
  - b. Two (2) DSTs were performed in the Devonian/Silurian
    - i. DST #1 from 12,659-12,761 FT recovered 2,000 FT water blanket (WB) + 120 FT mud (M)
    - ii. DST #2 from 12,761-12,811 FT recovered 2,000 FT WB + 3588 FT saltwater (XZW)
2. Stebbins Federal DE #1 (API# 3001510794)
  - a. Well is 3.7 miles from BFDU 44, and ~400 FT downdip
  - b. Two (2) DSTs were performed in the Devonian/Silurian
    - i. DEST #1 from 13,141-13,157 FT recovered 95 FT M + 115 FT slight oil cut mud (SOCW )
    - ii. DST #2 from 13,144-13,391 FT recovered 3,000 FT mud cut water (MCW) + 9,761 FT XZW
3. Government NBFD #1 (API# 3001528841)
  - a. Well is 5.1 miles from BFDU 44 and ~200 FT updip
  - b. One (1) Perforation Test in Devonian/Silurian
    - i. PTS #1: 12,204-12,324 FT swabbed 49 barrels water in 4.5 hours







(1) DST 12659-12761  
12/28/1962  
IFP 966  
FFP 966  
ISP 5579  
FSP 5536  
DST Recoveries  
2000 FT WB  
120 FT M

(2) DST 12761-12811  
12/28/1962  
IFP 1123  
FFP 2499  
ISP 5544  
FSP 5497  
DST Recoveries  
2000 FT WB  
3588 FT XZW

(1) PTS TestType PTS  
Test Volumes  
Date 06/24/1996  
49 BBL WATER  
METHOD: SWABBING SWBO 49 BW  
IN 4 HRS 30 MINS

(1) DST 13141-13157  
09/08/1966  
IFP 966  
FFP 966  
ISP 5579  
FSP 5536  
DST Recoveries  
2000 FT WB  
120 FT M

(2) DST 13144-13381  
09/08/1966  
IFP 5810  
FFP 5833  
ISP 5833  
FSP 5844  
DST Recoveries  
3000 FT MCW  
9761 FT XW

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-0560289

6. If Indian, Allottee or Tribe Name

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

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

3a. Address  
20 North Broadway  
OKC, OK 73102

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
3555' FSL & 1660' FWL Lot 14  
Sec 3-T21S-R27E

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

8. Well Name and No.  
Burton Flat Deep Unit 44

9. API Well No.  
30-015-32274

10. Field and Pool or Exploratory Area  
Burton Flat; Morrow (Pro Gas)

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 recompleat 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 recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

PROPOSED SWD CONVERSION: Devon is filing Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division in Santa Fe, New Mexico. Proposed SWD conversion is in the existing Devonian formation (perforated from 12,317' - 12,459').

1. Continue conversion of the BFDU 44; squeeze existing Morrow perforations at 10,895'-10,986'; 11,162'-11,224'; 11,291'-11,304' and drill out plugs and fish, and verify proposed injection zone does not produce hydrocarbons (SR filed 05/13/2013).
2. Run casing integrity test and chart. File CIT with BLM/NMOCD.
3. Re-perforate proposed injection interval from 12,400' to 12,460', 1 SPF, total 60 shots.
4. Replace existing 2-7/8" N-80 production string with new 3-1/2", 9.3#, L-80 IPC tubing and nickel coated retrievable packer. Set packer +/-50' above top perf, +/- 12,267'
5. Establish injection into proposed interval to test for injectivity, stimulate with acid if necessary.
6. Perform step rate test to verify injectivity without exceeding maximum authorized surface injection pressure of 2463 psi.
7. Perform MIT and chart with BLM/NMOCD as witness. File MIT with BLM/NMOCD office.
8. Commence salt water disposal injection.

This "UPDATED" procedure will replace the initial NOI & Ops Engineering procedure submitted 12/12/2012 (attached for reference). Compensatory Regulatory Agreement has been submitted to the BLM to account for the gas remaining in the reservoir; parties working through resolution.

(See Detailed Procedure Attached)

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

Name (Printed/Typed)  
Stephanie A. Porter

Title Operations Technician

Signature

Date

05/13/2013

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

Approved by

Title

Date

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

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



**DVN: Burton Flat Deep Unit #44 SWD****API #30-025-32274****SL: 3555' FSL & 1,660' FWL****Sec 3-T21S-R27E****Eddy County, NM****5-10-13****WBS# 01-06640****Purpose: Convert well to salt water injection****GLM: 3,200'****KBM: 3,224'****KB: 24' AGL****T.D. – 12,600' cased. Well spud: 6/1/2002****NOTE: WELL MAY CONTAIN H2S. SAFETY TRAILER, EQUIPMENT AND PERSONELL ARE REQUIRED.****Casing and Tubing Data:**

Size	Wt. lb/ft	Grade	Interval	(80% S.F.) Collapse	(80% S.F.) Burst
13-3/8"	48	H-40	0 – 620	-	-
9-5/8"	40	J-55	0 – 2,810	2056	3160
7"	26	L-80	0 – 7,633'	4328	5792
7"	26	P-110	7,633' – 12,600'	4968	7968
<b>Tubing</b>					
2-7/8" lined	6.5	N-80	0 – 11,120'	8928	8456

**Safety:** All personnel will wear hard hats, safety glasses with side shields, and steel toed boots while on location. Assess wellhead working height for safety. If needed, use work platform or man-lift for fall protection. **H2S SAFETY PERSONELL AND MONITORING EQUIPMENT IS TO BE ON LOCATION AT ALL TIMES DURING WORKOVER OPERATIONS.**

**Conversion to Injector****Procedure:**

1. Notify all regulatory agencies prior to initiation of work (if required) and Devon EHS personnel. Have H2S safety equipment and personnel on location during all well work. Hold tailgate safety meetings prior to R.U., each morning and before each operational change or event.
2. Test anchors, MIRU WSU. Check well, top kill/fill with 2% KCl if necessary. ND wellhead, NU 10K BOPE. Test BOPE to Devon guidelines

3. RU pump to wellhead with chart recorder. Fill hole with 2% KCl, if necessary. Pressure test casing annulus to 1000psi and hold for 30 min. If lose more than 10% (100psi), notify OKC engineer.
4. PU tubing string and unseat packer. TOH with 383 jts of 2-7/8", 6.5#, N-80 tubing and 7" retrievable packer. LD tubing and packer. Keep hole full with 2% KCl as necessary.
5. RU wireline perforating crew and prep to run perforating guns in well.
6. Perforate Devonian formation from 12,400' – 12,460', 1 SPF, total of 60 shots.
7. RDMO wireline perforating crew.
8. RU Western Falcon and Weatherford and prep to pick up and RIH 3-1/2" inj string and 7" nickel coated packer.
9. RIH injection string according to following schedule. Set packer at +/-12,267'

1	2-7/8" Wireline entry guide
2	2-7/8" x 2.25R profile nipple, with pump out plug
3	6' x 2-7/8", 8RD, L-80 internally nickel coated pup joint
4	2-7/8" x 2.25F seating nipple
5	T-2 on/off tool, nickel coated
6	2-7/8" x 3-1/2" nickel coated X-over
7	392 jts 3-1/2", 9.3#, L-80, IPC tubing

10. RU rig pumps, fill tubing with 2% KCl as necessary. Establish injection into Devonian formation. Record pressure and rate and notify OKC. If rate unsatisfactory, acidize well according to following schedule.

Stage	Fluid	Clean Vol (gals)	Salt (lbs)	Rate (bpm)
1	15% HCl	3333	-	3
2	Gelled Brine/Rock Salt	400	200	3
3	15% HCl	3333	-	3
4	Gelled Brine/Rock Salt	400	200	3
5	15% HCl	3334	-	3
6	Gelled Brine/Rock Salt	400	200	3
7	Gelled Brine Flush	3360	-	3

11. RDMO acidizing crew, wait on acid for 3+ hours.
12. Fill tbq if necessary. Perform step rate test to establish injection rate in 1 bpm increments, holding each rate for 5 min, to max surface pressure of 2,463 psi. SI well and record 5, 10, 15min SITP and SICP. Do not exceed maximum surface injection pressure of 2,463psi.
13. PU tbq, unseat packer, circulate packer fluid to surface. Set packer at +/- 12,267'. ND BOPE, NU B-1 section and wellhead.

14. Notify BLM/NMOCD and run MIT on the tbg x csg annulus to 500 psi and hold for 30 min with a chart recorder. Maximum allowable pressure loss is 10% (50 psi) in 30 min. If unsuccessful, notify OKC engineer.
15. RDMO WSU and release all rental equipment. Secure well and leave SI.
16. Email post job report and copy of MIT chart to OKC, mail chart care of Trevor Klaassen/Stephanie Porter.

**Note: Any future slickline tools need to have a smooth surface to prevent coating damage.**

Contact	Company	Office #	Mobile #
Trevor Klaassen	Engineer	(405) 552-8150	(405) 464-4214
Rudy Zuniga	Asst. Foreman	(575) 234-0208	(575) 390-5435
Roger Hernandez	Devon (Supervisor)	(575) 748-0169	(575) 748-5238
Brian Schultz	EHS Rep	(575) 748-0193	(505) 426-4459
Mike Brown	Elite Well Service		(575) 513-9607
Tom Ellis	Western Falcon (lined tbg)		(405) 200-3519

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: BURTON FLAT DEEP UNIT 44		Field: BURTON FLAT-MORROW	
Location: 3555' FSL & 1660' FWL, 3-21S-27E		County: Eddy	State: NM
Elevation: 3220' RKB; 3200' GL; 20' KB to GL		Spud Date: 6/1/02	Compl Date: 10/12/02
API#: 30-015-32274	Prepared by: Trevor Klaassen	Date: 4/26/13	Rev: tj-k-5/10/13

**CURRENT WELLBORE SCHEMAT**

17-1/2" hole

13-3/8", 48#, H40, ST&C, @ 620'

Cmt'd w/500 sx to surface

Braden Head Sqz (3/6/13)

Cmt from 2,990' to surface

CBL showed poor bond above 1,800'

Cmt w/355 sx cmt

12-1/4" hole

9-5/8", 40#, J55, LT&C, @ 2,810'

Cmt'd w/1205 sx to surface

TOC @ 9,650' by CBL (7/15/02)

**MORROW**

Squeezed (3/18/13)

10,895' - 10,986

w/125 sx neat class-H cmt

Squeezed (3/25/13)

11,162' - 11,164'; 11,203' - 11,207';

11,220' - 11,224'

11,291' - 11,304'

11,315' - 11,336'

w/125 sx neat class-H cmt

Previously Squeezed Perfs:

11,362' - 11,367' & 11,368' - 11,373'

retested to 500psi (3/28/13)

**DEVONIAN CARBONATE**

12,317' - 12,325'

12,403' - 12,404'

12,407' - 12,411'

12,416' - 12,440'

12,451' - 12,459' (10/12/02)

8-3/4" Hole

7", 26#, L80 & P110, @ 12,600'

Cmt'd w/640 sks. TOC @ 9650' by CBL (7/15/02)

PBTD @ 12,515'

**FORMATION TOPS**

Capitan	770'
Delaware	2810'
Bone Springs	5132'
Bone Spring 1	6335'
Bone Spring 2	7065'
Bone Spring 3	8365'
Wolfcamp	8740'
Strawn	10440'
Lower Strawn	10462'
Atoka	10550'
Morrow	10950'
Morrow A	11070'
Morrow B	11113'
Morrow C	11159'
Morrow D	11229'
Morrow, L.	11291'
Barnett	11430'
Mississippian	11782'
Woodford Shale	12250'

383jts - 2-7/8" N-80 tubing

7" x 2-7/8" Retrievable Packer  
Set at 11,950'

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: BURTON FLAT DEEP UNIT 44	Field: BURTON FLAT-MORROW
Location: 3555' FSL & 1660' FWL, 3-215-27E	County: Eddy State: NM
Elevation: 3220' RKB; 3200' GL; 20' KB to GL	Spud Date: 6/1/02 Compl Date: 10/12/02
API#: 30-015-32274 Prepared by: Trevor Klaassen	Date: 4/26/13 Rev: tjk- 5/13/13

**PROPOSED WELLBORE SCHEMAT**

17-1/2" hole  
13-3/8", 48#, H40, ST&C, @ 620'  
 Cmt'd w/500 sx to surface

Braden Head Sqz (3/6/13)  
 Cmt from 2,990' to surface  
 CBL showed poor bond above 1,800'  
 Cmt w/355 sx cmt  
 SR filed 05/13/2013

12-1/4" hole  
9-5/8", 40#, J55, LT&C, @ 2,810'  
 Cmt'd w/1205 sx to surface

TOC @ 9,650' by CBL (7/15/02)

**MORROW**

Squeezed (3/18/13)  
 10,895' - 10,986'  
 w/125 sx neat class-H cmt

Squeezed (3/25/13)  
 11,162' - 11,164'; 11,203' - 11,207';  
 11,220' - 11,224'  
 11,291' - 11,304'  
 11,315' - 11,336'  
 w/125 sx neat class-H cmt

Subsequent  
 Report filed  
 05/13/2013

Previously Squeezed Perfs:  
 11,362' - 11,367' & 11,368' - 11,373'  
 retested to 500psi (3/28/13)

**DEVONIAN CARBONATE**

12,317' - 12,325'  
 12,403' - 12,460' (10/12/02)

**Proposed SWD Conversion**

1. Add Perfs in Devonian @ 12,310' - 12,324'
2. Reperf Devonian @ 12,400' - 12,460'
3. Acidize w/ +/- 10,000 gal 15% acid

8-3/4" Hole  
7", 26#, L80 & P110, @ 12,600'  
 Cmt'd w/640 sks. TOC @ 9650' by CBL (7/15/02)

PBTD @ 12,515'

**FORMATION TOPS**

Capitan	770'
Delaware	2810'
Bone Springs	5132'
Bone Spring 1	6335'
Bone Spring 2	7065'
Bone Spring 3	8365'
Wolfcamp	8740'
Strawn	10440'
Lower Strawn	10462'
Atoka	10550'
Morrow	10950'
Morrow A	11070'
Morrow B	11113'
Morrow C	11159'
Morrow D	11229'
Morrow, L.	11291'
Barnett	11430'
Mississippian	11782'
Woodford Shale	12250'

**Proposed SWD Conversion**  
 T2 On/Off tool Nickel Coated  
 3-1/2", 9.3#, L80, IPC Injection tubing  
 Arrowset IXX Packer @ ~ 12,267'



## Porter, Stephanie

---

**From:** Porter, Stephanie  
**Sent:** Tuesday, May 21, 2013 10:53 AM  
**To:** 'wesley\_ingram@blm.gov' (wesley\_ingram@blm.gov)  
**Cc:** efernand@blm.gov; Goetze, Phillip, EMNRD (Phillip.Goetze@state.nm.us); Ezeanyim, Richard, EMNRD (richard.ezeanyim@state.nm.us)  
**Subject:** Burton Flat Deep Unit 44 (SWD) - API # 30-015-32274: NOI - SWD C-108 Application Withdrawal - Devon To Resubmit

Wesley,

Devon respectfully requests withdrawal of the C-108 application for the Burton Flat Deep Unit 44, API # 30-015-32274, located in Sec 3-T21S-R27; submitted 12/12/2012. Due to the six-month review time frame on C-108 applications and the expiration of this application, a revised and updated C-108 application will be resubmitted along with copies of the NOI's (Notice of Intents) and Subsequent Reports to document and to accurately reflect the "current" status of the wellbore and application. New notice to surface and leasehold parties will be done as required.

The comments you asked me to insert into the C-108 application (and revised NOI) have been inserted regarding our on-going efforts to seek mutual resolution to the Compensatory Regulatory Agreement and that the new "updated" set of procedures would replace the 12/12/2012 procedures initially provided in the first application.

Thank you for your time and patience in working with Devon in pursuing disposal efforts in this well.

---

**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](mailto:Stephanie.Porter@dvn.com)

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

---

**From:** Porter, Stephanie  
**Sent:** Monday, May 13, 2013 11:58 AM  
**To:** efernand@blm.gov; 'wesley\_ingram@blm.gov' (wesley\_ingram@blm.gov)  
**Cc:** Klaassen, Trevor; Ireland, Seth; Cromer, James  
**Subject:** Burton Flat Deep Unit 44 (SWD) - API # 30-015-32274: NOI & SR's Filed

Ed & Wesley,

Thank you for your patience on the Burton Flat Deep 44.... the following have been filed electronically by Erin Workman into your AFMAS system:

- Subsequent Report: Bradenhead Squeeze
- Subsequent Report: Convert to Injection
- Notice of Intent: Install Open Annulus Monitoring System

We have already receipted the approval on the NOI – Braden Squeeze, so thank you for the quick turn around in approval. As discussed, all the above will be included in the revised and updated C-108 application that will be resubmitted to the NMOCD.

The Open Annulus Monitoring Schematic has been revised, and should meet the BLM's requirements. If you have specific questions or other concerns, please contact Trevor Klaassen directly at (405)-552-5069.

Thanks again and have a wonderful week. ☺

***Stephanie A. Porter***

Permian New Mexico Technician

Phone: (405)-552-7802

Cell: (405)-721-7689

Fax: (405)-552-8113

DEC 31.326

[Stephanie.Porter@dmn.com](mailto:Stephanie.Porter@dmn.com)

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

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-0560289

6. If Indian, Allottee or Tribe Name

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

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

3a. Address  
20 North Broadway  
OKC, OK 73102

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
3555' FSL & 1660' FWL Lot 14  
Sec 3-T21S-R27E

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

8. Well Name and No.  
Burton Flat Deep Unit 44

9. API Well No.  
30-015-32274

10. Field and Pool or Exploratory Area  
Burton Flat; Morrow (Pro Gas)

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 type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

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

PROPOSED SWD CONVERSION: Devon is filing Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division in Santa Fe, New Mexico. Proposed SWD conversion is in the existing Devonian formation (perforated from 12,306' - 12,600').

1. MIRU. Establish injection in existing Devonian open hole formation interval from 12,306 - 12,600', not to exceed maximum authorized surface injection pressure per C-108.
2. Stimulate Devonian formation, if necessary.
3. Run MIT test and chart. File MIT with BLM/NMOCD.
4. Initiate and evaluate injection in Devonian formation using existing 3 1/2", L-80 production tubulars and Arrowset packer.
5. Replace as warranted current 3-1/2" production tubulars with 3-1/2" IPC injection tubing and 7" nickel coated packer @ +/- 12,250'.
6. Run MIT test and chart. File MIT with BLM/NMOCD office.
7. Return well to injection service.



(See Detailed Procedure Attached)

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

Name (Printed/Typed)  
Stephanie A. Porter

Title Operations Technician

Signature

Date 12/12/2012

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

Approved by

Title

Date

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

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## Burton Flat Deep Unit #44

WBS #

Objective - Convert Morrow gas well into Devonian SWD

API# - 30-015-32274  
GL - 3,200  
TD - 12,600 ft

Location - Eddy Co. -- Sec 14-21S-27E  
KB - 3,220' (20')  
PBTD - 11,249 ft



**Note: Devonian formation is known to contain harmful levels of H2S. Safety Trailer, Equipment and Trained Personell are required.**

Casing	OD	WT/FT	Grade	Top	Bottom	TOC	80% Collapse (psi)	80% Burst (psi)
Surface	13-3/8	48	H-40	0	620	Surface	-	-
Intermediate	9-5/8	40	J-55	0	2,810	Surface	2056	3160
Production	7	26	L80	0	7,633	9,650	4328	5792
Production	7	26	P110	7,633	12,600	9,650	4968	7968
<b>Tubing</b>								
Production	2-7/8	6.5	N80	0	11,120	-	8928	8456

Current perforations: 10,895'-10,986' Upper Morrow; 11,162'-11,224' Morrow

Cement: TOC @ 9,650 ft

Well drilled in 2002.

Current PBTD: 11,245'

Tubing: 344 joints of 2-7/8" N-80, 2-7/8" seat nipple (As reported in wellview)

### Procedure

- 1) Notify all regulatory agencies prior to initiation of work (if required) and Devon EHS personnel. Have H2S safety equipment and personnel on location during all well work. Hold tailgate safety meetings prior to R.U., each morning and before each operational change or event.
- 2) Test anchors. MIRU WSU. Top kill well with 2% KCL if necessary. ND WH and NU 10K BOPE. Test BOPE to Devon guidelines.
- 3) Drop down and tag existing PBTD and record depth, approximately 11,245'. Should be about 4 JTS if current tally is correct. If PBTD is not believed to be deeper than 11,224' (lowest perf) call engineer.

12/11/2012

- 4) If PBTD is greater than 11,224', POOH w/ 2 7/8" TBG and SN, strapping out of hole.
- 5) TIH w/ 7" 10K packer for 7" 26# CSG and 2 7/8" TBG to 10,850'. Hydrotest TBG to 7500 psi below slips while TIH. Set packer.
- 6) Test annulus to 1000 psi and chart. Run an injection test with 2% KCL water down TBG at 1/2, 1, 2 and 3 BPM not to exceed 1,500 psi @ surface. Leave 500 psi on annulus during test if possible. Report results to OKC engineering.
- 7) Unset packer, POOH w/ 2 7/8" TBG and Packer.
- 8) RIH w/ 7" composite bridge plug and 2 7/8" TBG to 11,075'. Set composite bridge plug.
- 9) POOH w/ 2 7/8" TBG. Drop ball.
- 10) TIH w/ Cement Retainer, Stinger and TBG. Set cement retainer @10,850' for 7" 26# P-110 CSG. Prior to running ensure that cement retainer and stinger are working properly.
- 11) RIH w/ TBG and stinger. Establish an injection rate. Squeeze Upper Morrow perfs (10,895-10,986') according to attached BHI procedure.
- 12) POOH w/ TBG and stinger. WOC 24 hrs. RIH w/ TBG and 6 1/8" bit.
- 13) Drill cement retainer and cement to PBTD. Note whether or not there is good cement to PBTD.
- 14) Once to PBTD test squeezed holes to 1000 PSI for 30 minutes (chart). If pressure DOES NOT hold contact OKC Engineer.
- 15) If pressure holds continue drill composite bridge plug set at 11,075', 35' cement and CIBP @ 11,284'. Continue RIH and tag PBTD, should be 11,355' (CIBP).
- 16) POOH w/ TBG and bit. RIH w/ 7" cement retainer, Stinger and TBG. Set cement retainer @ 11,112'. Establish injection rate. Squeeze Morrow perf (11,162-11,224') and lower Morrow perf (11,291-11,304') per attached BHI procedure. POOH w/ TBG and stinger. WOC 24 hrs.
- 17) RIH w/ TBG and bit, drill out cement retainer and cement below it. Circulate clean.
- 18) Test squeezed holes to 1000 psi for 30 minutes (chart).
- 19) Continue drilling and drill CIBP @ 11,355 ft. Circulate hole clean.

- 20) Test previously squeezed perfs @ 11,362-11,373'. Test to 1000 psi for 30 minutes (chart).
- 21) Continue RIH and tag PBTD. Should be composite bridge plug set @ 11,738' but be careful.
- 22) Drill composite BP. Circulate hole clean.
- 23) TIH to composite bridge plug #2 @ approximately 11,800'.
- 24) Drill composite bridge plug #2.
- 25) Circulate clean and slowly TIH hole. Could have cement remains from 11,800-12,190'.
- 26) Tag PBTD, should be remnants of cement retainer approximately 12,190'.
- 27) Drill CR and tag fish a 12,245'.
- 28) TOH w/ TBG and bit. PU 6 1/8" Mill for fish consisting of Computalog GR/CCL/Temp tool and 1/2 ejector tool.
- 29) TIH w/ Mill, Drill Collars and TBG. Drill fish consisting of Computalog GR/CCL/Temp Tool and 1/2 ejector tool. Drill fish until you see steady cement returns. TOC @ 12,250'. Continue drilling 35' cement plug and CIBP @ 12,285'.
- 30) Wash to PBTD @ 12,390' and circulate clean.
- 31) Drill CIBP @ 12,390.
- 32) Continue RIH to PBTD. Record PBTD. POOH w/ TBG and mill.
- 33) RU wireline. Perforate Devonian 12,310-12,324' and 12,400-12,460', 60° phasing with .38 holes.

Zone	Top	Bottom	Feet	Phasing	SPF	Holes
Devonian	12,310	12,324	14	60°	1	14
Devonian	12,400	12,460	60	60°	1	60

- 34) TIH w/ 7" packer and 2 7/8" TBG. Set packer @ 12,250 ft. Test annulus to 1000 PSI for 30 minutes (chart). Perform step rate test. RU BHI acid crew. Pump acid as proposed by the attached procedure. +/- 10,000 GAL, 15% Acid Job.

35) Rig up Western Falcon and Weatherford. TIH w/ BHA as follows -

- a. 3 ½" WLEG
- b. 3 ½" X 2.31 "r" internally Nickel coated landing nipple
- c. 8' - 3 ½", 9.3# L-80 internally coated tubing sub
- d. 7" x 2 ½" internally coated Weatherford Arrowset -IXX Packer
- e. 3 ½" X 1.87" internally Nickel coated "F" seat nipple
- f. 7" X 3 ½" Type T-2 On/Off tool internally Nickel coated
- g. 134 jts, 3 ½", 9.3#, L-80 with Enertube
- h. 254 jts, 3 ½", 9.3#, L-80 with Polycore to surface.

36) Circulate packer fluid and set packer. Pressure test backside to 500 psi.

37) Notify NMOCD w/ intent to run MIT. Pressure up csg to 500 psi w/ chart recorder, hold for 30 min. If NMOCD is satisfied, RDMO PU.

Contact	Company	Office #	Mobile #
Seth Ireland	Devon (engr)	(405) 228-7721	(432) 234-2583
Jesse Armendariz	Devon (Completions Supv)	(575) 748-0196	(575) 746-7783
Ronnie Carre	Devon (Completions Supv)	(575) 748-0179	(575) 748-5528
Roger Hernandez	Devon (Prod Supv)	(575) 748-0169	(575) 748-5238
Brian Schultz	EHS Rep	(575) 748-0193	(505) 426-4459
Mitch Johnson	Weatherford	(575) 746-7079	(575) 703-7079
Tom Ellis	Conestoga Supply & Western Falcon (lined tbg)		(405) 200-3519
Dale Thompson	Western Falcon Plant Mgr	(432) 563-3838	





**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: BURTON FLAT DEEP UNIT 44		Field: BURTON FLAT-MORROW	
Location: 3555' FSL & 1660' FWL, 3-21S-27E		County: Eddy	State: NM
Elevation: 3220' RKB; 3200' GL; 20' KB to GL		Spud Date: 6/1/02	Compl Date: 10/12/02
API#: 30-015-32274	Prepared by: Ireland, S. / Slack, R.	Date: 10/31/12	Rev:

**CURRENT WELLBORE SCHEMAT**

17-1/2" hole  
13-3/8", 48#, H40, ST&C, @ 620'  
 Cmt'd w/500 sx to surface

12-1/4" hole  
9-5/8", 40#, J55, LT&C, @ 2,810'  
 Cmt'd w/1205 sx to surface

TOC @ 9,650' by CBL (7/15/02)

MORROW  
 10,895' - 10,986 (9/3/10)

MORROW (10/12/02)  
 11,162' - 11,164'; 11,203' - 11,207';  
 11,220' - 11,224'

MORROW  
 11,291' - 11,304' (11/21/02)  
Squeeze Perfs:  
 11,315' - 11,336' (9/27 & 11/15/02)

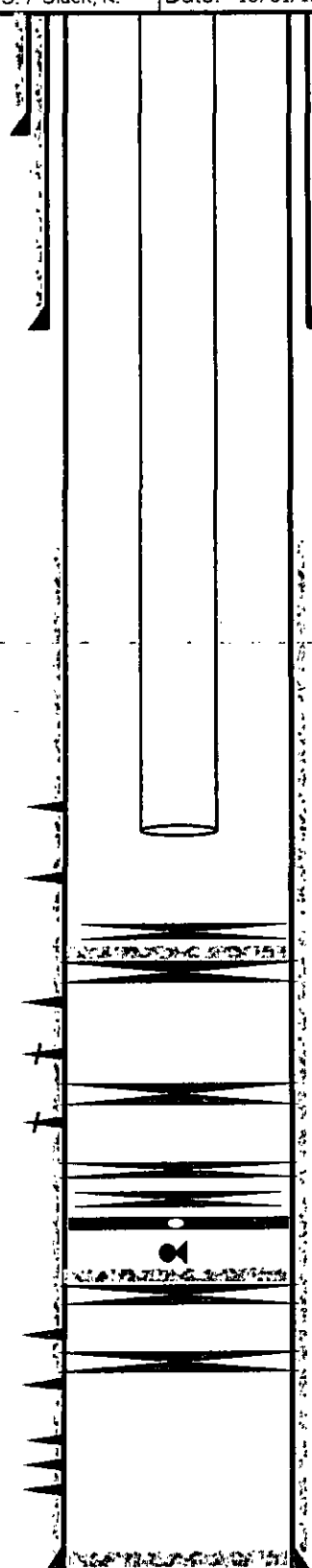
Squeeze Perfs:  
 11,362' - 11,367' & 11,368' - 11,373'

DEVONIAN CARBONATE  
 12,317' - 12,325'

12,403' - 12,404'

12,407' - 12,411'  
 12,416' - 12,440'  
 12,451' - 12,459'

8-3/4" Hole  
7", 26#, L80 & P110, @ 12,600'  
 Cmt'd w/640 sks. TOC @ 9650' by CBL (7/15/02)



**FORMATION TOPS**

Capitan	770'
Delaware	2810'
Bone Springs	5132'
Bone Spring 1	6335'
Bone Spring 2	7065'
Bone Spring 3	8365'
Wolfcamp	8740'
Strawn	10440'
Lower Strawn	10462'
Atoka	10550'
Morrow	10950'
Morrow A	11070'
Morrow B	11113'
Morrow C	11159'
Morrow D	11229'
Morrow, L.	11291'
Barnett	11430'
Mississippian	11782'
Woodford Shale	12250'

344 Jts 2-7/8", 6.5#, N80 tubing (11/19/10)

SN @ 11,120' (11/19/10)

Composite plug pushed to 11,245 (11/18/10)  
 35' cement. TOC @ 11,249'  
 CIBP @ 11,284' (1/19/03)

CIBP @ 11,355' (11/23/02)

Composite BP @ 11,738  
 Composite BP pushed to ~11800, cmt may be below  
 Cement retainer pushed to bottom  
 Lost Fish: Computalog GR/CCL, Temp tool/1/2 Ejector tool  
 35' cement. TOC @ 12250'  
 CIBP @ 12,285'

CIBP @ 12,390'

TD @ 12,600'

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: BURTON FLAT DEEP UNIT 44		Field: BURTON FLAT-MORROW	
Location: 3555' FSL & 1660' FWL, 3-21S-27E		County: Eddy	State: NM
Elevation: 3220' RKB; 3200' GL; 20' KB to GL		Spud Date: 6/1/02	Compl Date: 10/12/02
API#: 30-015-32274	Prepared by: Slack, R.	Date: 12/13/12	Rev:

**PROPOSED SWD SCHEMAT**

17-1/2" hole

13-3/8", 48#, H40, ST&C, @ 620'

Cmt'd w/500 sx to surface

12-1/4" hole

9-5/8", 40#, J55, LT&C, @ 2,810'

Cmt'd w/1205 sx to surface

TOC @ 9,650' by CBL (7/15/02)

**Proposed SWD Conversion**

Sqz Morrow perms 10,895 - 10,986; 11162' - 11224';  
11,291' - 11,304'. Test Sqz perms to 1000 psi/30 min.

**MORROW**

10,895' - 10,986 (9/3/10)

**MORROW** (10/12/02)

11,162' - 11,164'; 11,203' - 11,207';  
11,220' - 11,224'

**MORROW**

11,291' - 11,304' (11/21/02)

**Squeeze Perfs:**

11,315' - 11,336' (9/27 & 11/15/02)

**Squeeze Perfs:**

11,362' - 11,367' & 11,368' - 11,373'

**Proposed SWD Conversion**

1. Add Perfs in Devonian @ 12,310' - 12,324'
2. Reperf Devonian @ 12,400 - 12,460'
3. Acidize w/+/- 10,000 gal 15% acid

**DEVONIAN CARBONATE**

12,317' - 12,325'

12,403' - 12,404'

12,407' - 12,411'

12,416' - 12,440'

12,451' - 12,459'

8-3/4" Hole

7", 26#, L80 & P110, @ 12,600'

Cmt'd w/640 sks. TOC @ 9650' by CBL (7/15/02)

TD @ 12,600'

**FORMATION TOPS**

Capitan	770'
Delaware	2810'
Bone Springs	5132'
Bone Spring 1	6335'
Bone Spring 2	7065'
Bone Spring 3	8365'
Wolfcamp	8740'
Strawn	10440'
Lower Strawn	10462'
Atoka	10550'
Morrow	10950'
Morrow A	11070'
Morrow B	11113'
Morrow C	11159'
Morrow D	11229'
Morrow, L.	11291'
Barnett	11430'
Mississippian	11782'
Woodford Shale	12250'
Devonian	12308'

**Proposed SWD Conversion**

T2 On/Off tool Nickel Coated  
3-1/2", 9.3#, L80, IPC injection tubing  
Arrowset IXX Packer @ ~ 12,250'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0560289
2. Name of Operator DEVON ENERGY PRODUCTION CO LP		6. If Indian, Allottee or Tribe Name
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102		7. If Unit or CA/Agreement, Name and/or No. 8910123910
3b. Phone No. (include area code) Ph: 405-552-7970		8. Well Name and No. BURTON FLAT DEEP UNIT 44
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T21S R27E NESW Lot 14 3555FSL 1660FWL		9. API Well No. 30-015-32274-00-S1
		10. Field and Pool, or Exploratory WILDCAT
		11. County or Parish, and State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon respectfully requests permission to do a bradenhead squeeze to satisfy the BLM's objection to the SWD C-108 application.

Devon would like to perform an injection test down the 9 5/8" x 7" annulus utilizing a radioactive tracer to determine injection depth beyond the 9 5/8" shoe (9 5/8" shoe depth @ 2810'). Once injection zone and rate are determined we would like to perform a bradenhead squeeze raising the top of cement in the 9 5/8" x 7" annulus to 700' (50' above the top of the Capitan). We would then like to run a cement bond log, to ensure adequate cement behind pipe.



Attachment: BLM protest letter

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #207065 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad Committed to AFMSS for processing by WESLEY INGRAM on 05/10/2013 (13VW10206SE)	
Name (Printed/Typed) ERIN L WORKMAN	Title REGULATORY COMPLIANCE ASSOC.
Signature (Electronic Submission)	Date 05/09/2013

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By WESLEY INGRAM	Title PETROLEUM ENGINEER	Date 05/10/2013
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 Carlsbad

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Pecos District

Carlsbad Field Office

620 E. Greene

Carlsbad, New Mexico 88220-6292

[www.blm.gov/nm](http://www.blm.gov/nm)



IN REPLY REFER TO:  
3162.3-2 (P0220)

December 27, 2012

Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: Burton Flat Deep Unit #44

The BLM will object to the proposed salt water disposal well for the following reason.

1. According to the recent production reports, the well is still producing in paying quantities. Operator shall detail how they will recover the reserves if this well is converted to an SWD well.

Other notes:

1. The well is not being drilled and converted. This well is already in existence and the request is actually for conversion to an SWD.
2. Operator will be required to bring cement on the 7" up to a minimum of 50' above the top of the Capitan Reef. This well is within the four string area and the additional cement will provide an additional barrier for the Capitan Reef.
3. Once the objection is satisfied, the operator will be requested to evaluate existing logs and perform other tests to determine if the zone can be produced in paying quantities as part of the Conditions of Approval for the Sundry to Convert to Injection.. This is particularly critical in this case due to the lack of wells to the injection zone depth.
4. If not already listed, the conversion to injection shall be listed in the Unit Plan of Development for this unit.
5. Operator will be required to test casing to approved injection pressure.

If you have any questions regarding this approval, please contact Wesley W. Ingram,  
Supervisory Petroleum Engineer at (575) 234-5982.

Sincerely,

A handwritten signature in black ink, appearing to read "Wesley W. Ingram".

Wesley W. Ingram  
Supervisory Petroleum Engineer  
Bureau of Land Management  
Carlsbad Field Office

cc: Devon Energy Corporation, Attn: Stephanie A. Porter

## Revisions to Operator-Submitted EC Data for Sundry Notice #207065

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	OTHER NOI	OTHER NOI
Lease:	NMNM0560289	NMNM0560289
Agreement:	NM70798A	8910123910 (NMNM70798A)
Operator:	DEVON ENERGY PRODUCTION CO.,LP 333 WEST SHERIDAN AVENUE OKC, OK 73102 Ph: 405-552-7970	DEVON ENERGY PRODUCTION CO LP 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102 Ph: 405.235.3611
Admin Contact:	ERIN L WORKMAN REGULATORY COMPLIANCE ASSOC. E-Mail: ERIN.WORKMAN@DVN.COM  Ph: 405-552-7970	ERIN L WORKMAN REGULATORY COMPLIANCE ASSOC. E-Mail: ERIN.WORKMAN@DVN.COM  Ph: 405-552-7970
Tech Contact:	ERIN L WORKMAN REGULATORY COMPLIANCE ASSOC. E-Mail: ERIN.WORKMAN@DVN.COM  Ph: 405-552-7970	ERIN L WORKMAN REGULATORY COMPLIANCE ASSOC. E-Mail: ERIN.WORKMAN@DVN.COM  Ph: 405-552-7970
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	BURTON FLAT, MORROW	WILDCAT
Well/Facility:	BURTON FLAT DEEP UNIT 44 Sec 3 T21S R27E 3555FSL 1660FWL	BURTON FLAT DEEP UNIT 44 Sec 3 T21S R27E NESW Lot 14 3555FSL 1660FWL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0560289
2. Name of Operator DEVON ENERGY PRODUCTION CO., LP		6. If Indian, Allottee or Tribe Name
Contact: ERIN L WORKMAN Email: ERIN.WORKMAN@DVN.COM		7. If Unit or CA/Agreement, Name and/or No. NM70798A
3a. Address 333 WEST SHERIDAN AVENUE OKC, OK 73102	3b. Phone No. (include area code) Ph: 405-552-7970	8. Well Name and No. BURTON FLAT DEEP UNIT 44
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T21S R27E 3555FSL 1660FWL		9. API Well No. 30-015-32274
		10. Field and Pool, or Exploratory BURTON FLAT, MORROW
		11. County or Parish, and State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug-Back	<input 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 recompleat 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon respectfully advises and provides documentation for details of the work performed to satisfy BLM objections to C-108 (remedial cement).

Devon pulled 344 joints of 2-7/8", 6.5# N80 tubing, then set a composite bridge plug at 10,280'. An injection test was performed down the 9 5/8" x 7" annulus, utilizing a radioactive tracer to determine injection of fluids into the Delaware formation from 3590' to 3640', a total of 100 bbl of water was pumped. Devon pumped 15 bbl of spacer followed by 200 sacks of 14.8 ppg lead cement followed by 155 sacks of 11.4 ppg tail cement thru the braidenhead down the 9-5/8" x 7" annulus. A cement bond log was run 24 hours after the cement was pumped and showed excellent bond from 3450' to 2990', inadequate bond from 2990' to 1800', only trace amounts of cement from 1800' to 720', and free pipe from 720' to surface. Upon review by Wesley Ingram of the BLM the remedial cement job will not adequately protect the Capitan Reef from exposure to wellbore fluids.



14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #207243 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO., LP, sent to the Carlsbad</b>	
Name (Printed/Typed) ERIN L WORKMAN	Title REGULATORY COMPLIANCE ASSOC.
Signature (Electronic Submission)	Date 05/13/2013

**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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #207243 that would not fit on the form**

**32. Additional remarks, continued**

Approval for an open monitoring system to be filed under separate NOI sundry notice.

Attached: Tracer log, CBL previously provided to BLM



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0560289
2. Name of Operator DEVON ENERGY PRODUCTION CO. Contact: ERIN L WORKMAN Email: ERIN.WORKMAN@DVN.COM		6. If Indian, Allottee or Tribe Name
3a. Address 333 WEST SHERIDAN AVENUE OKC, OK 73102	3b. Phone No. (include area code) Ph: 405-552-7970	7. If Unit or CA/Agreement, Name and/or No. NM70798A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T21S R27E 3555FSL 1660FWL		8. Well Name and No. BURTON FLAT DEEP UNIT 44
		9. API Well No. 30-015-32274
		10. Field and Pool, or Exploratory BURTON FLAT; MORROW
		11. County or Parish, and State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon respectfully advises and provides documentation for details of the work performed to satisfy BLM objections to C-108 (verify injection zone does not produce hydrocarbons).

03/18/13 Squeezed off existing Morrow perforations at 10,895' - 10,986' with 125 sacks of 15.6 ppg neat class-H cement.  
03/20/13 Drilled out and tested squeeze to 1000 psi.  
03/21-24/13 Drilled out remaining cement, composite plug at 11,245', cement plug, and cast iron bridge plug at 11,284'.  
03/25/13 Squeezed existing Morrow perforations at 11,162' - 11,336' with 125 sacks of 15.6 ppg neat class-H cement.  
03/27/13 Drilled out and tested squeeze to 1000 psi. Drilled out existing cast iron bridge plug at 11,355'.



14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #207258 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO.,LP, sent to the Carlsbad</b>	
Name (Printed/Typed) ERIN L WORKMAN	Title REGULATORY COMPLIANCE ASSOC.
Signature (Electronic Submission)	Date 05/13/2013

**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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #207258 that would not fit on the form**

**32. Additional remarks, continued**

03/28/13 Tested existing squeezes at 11,362' - 11,367' and 11,368' - 11,373' to 500 psi. Drilled composite bridge plugs at 11,738'-11,800'.

03/29-04/12/13 Drilled existing cement retainer, fish, cement plug, and cast iron bridge plug from 12,270' - 12,303' and cast iron bridge plug at 12,390'. Cleaned out remaining junk in hole, tagged PBTD at 12,515'.

04/15-17/13 Isolated the injection zone with 383 joints of 2-7/8" tubing and a packer and swabbed in a total of 102 bbl water with a maximum flow of 3.5 bbl/hr for a total of 10 bbl water flowed with no producible gas and no oil shows. See attached "Preconversion & Current" Wellbore Schematics.

Attached: Preconversion Wellbore Schematic  
Current Wellbore Schematic

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: BURTON FLAT DEEP UNIT 44		Field: BURTON FLAT-MORROW	
Location: 3555' FSL & 1660' FWL, 3-215-27E		County: Eddy	State: NM
Elevation: 3220' RKB; 3200' GL; 20' KB to GL		Spud Date: 6/1/02	Compl Date: 10/12/02
API#: 30-015-32274	Prepared by: Ireland, S. / Slack, R.	Date: 10/31/12	Rev:

**PRE-CONVERSION WELLBORE SCHEMAT**

17-1/2" hole  
13-3/8", 48#, H40, ST&C, @ 620'  
 Cmt'd w/500 sx to surface

12-1/4" hole  
9-5/8", 40#, J55, LT&C, @ 2,810'  
 Cmt'd w/1205 sx to surface

TOC @ 9,650' by CBL (7/15/02)

**MORROW**

10,895' - 10,986 (9/3/10)

**MORROW** (10/12/02)

11,162' - 11,164'; 11,203' - 11,207';  
 11,220' - 11,224'

**MORROW**

11,291' - 11,304' (11/21/02)

**Squeeze Perfs:**

11,315' - 11,336' (9/27 & 11/15/02)

**Squeeze Perfs:**

11,362' - 11,367' & 11,368' - 11,373'

**DEVONIAN CARBONATE**

12,317' - 12,325'

12,403' - 12,404'

12,407' - 12,411'

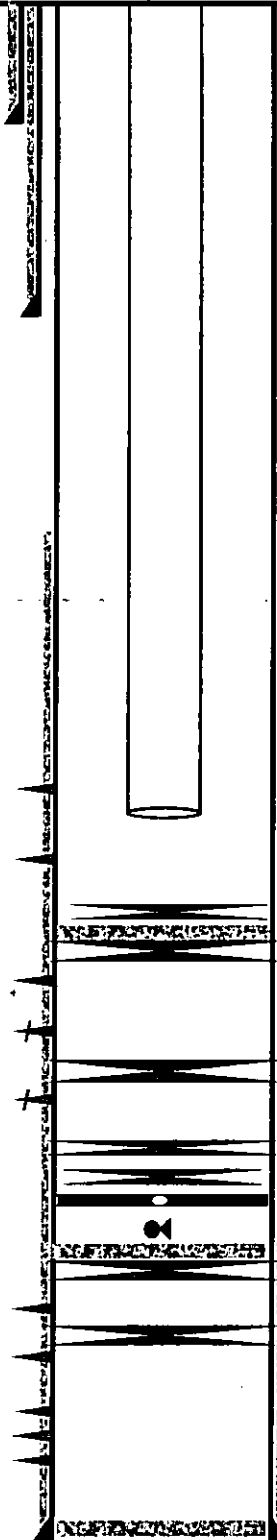
12,416' - 12,440'

12,451' - 12,459'

8-3/4" Hole

7", 26#, L80 & P110, @ 12,600'

Cmt'd w/640 sks. TOC @ 9650' by CBL (7/15/02)



**FORMATION TOPS**

Capitan	770'
Delaware	2810'
Bone Springs	5132'
Bone Spring 1	6335'
Bone Spring 2	7065'
Bone Spring 3	8365'
Wolfcamp	8740'
Strawn	10440'
Lower Strawn	10462'
Atoka	10550'
Morrow	10950'
Morrow A	11070'
Morrow B	11113'
Morrow C	11159'
Morrow D	11229'
Morrow, L.	11291'
Barnett	11430'
Mississippian	11782'
Woodford Shale	12250'

344 Jts 2-7/8", 6.5#, N80 tubing (11/19/10)

SN @ 11,120' (11/19/10)

Composite plug pushed to 11,245 (11/18/10)

35' cement. TOC @ 11,249'

CIBP @ 11,284' (1/19/03)

CIBP @ 11,355' (11/23/02)

Composite BP @ 11,738

Composite BP pushed to ~11800, cmt may be below

Cement retainer pushed to bottom

Lost Fish: Computalog GR/CCL, Temp tool/1/2 Ejector tool

35' cement. TOC @ 12250'

CIBP @ 12,285'

CIBP @ 12,390'

TD @ 12,600'

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: BURTON FLAT DEEP UNIT 44		Field: BURTON FLAT-MORROW	
Location: 3555' FSL & 1660' FWL, 3-21S-27E		County: Eddy	State: NM
Elevation: 3220' RKB; 3200' GL; 20' KB to GL		Spud Date: 6/1/02	Compl Date: 10/12/02
API#: 30-015-32274	Prepared by: Trevor Klaassen	Date: 4/26/13	Rev: tjk-5/10/13

**CURRENT WELLBORE SCHEMAT**

17-1/2" hole

13-3/8", 48#, H40, ST&C, @ 620'

Cmt'd w/500 sx to surface

Braden Head Sqz (3/6/13)

Cmt from 2,990' to surface

CBL showed poor bond above 1,800'

Cmt w/355 sx cmt

12-1/4" hole

9-5/8", 40#, J55, LT&C, @ 2,810'

Cmt'd w/1205 sx to surface

TOC @ 9,650' by CBL (7/15/02)

**MORROW**

Squeezed (3/18/13)

10,895' - 10,986

w/125 sx neat class-H cmt

Squeezed (3/25/13)

11,162' - 11,164'; 11,203' - 11,207';

11,220' - 11,224'

11,291' - 11,304'

11,315' - 11,336'

w/125 sx neat class-H cmt

Previously Squeezed Perfs:

11,362' - 11,367' & 11,368' - 11,373'

retested to 500psi (3/28/13)

**DEVONIAN CARBONATE**

12,317' - 12,325'

12,403' - 12,404'

12,407' - 12,411'

12,416' - 12,440'

12,451' - 12,459'

8-3/4" Hole

7", 26#, L80 & P110, @ 12,600'

Cmt'd w/640 sks. TOC @ 9650' by CBL (7/15/02)

PBTD @ 12,515'

**FORMATION TOPS**

Capitan	770'
Delaware	2810'
Bone Springs	5132'
Bone Spring 1	6335'
Bone Spring 2	7065'
Bone Spring 3	8365'
Wolfcamp	8740'
Strawn	10440'
Lower Strawn	10462'
Atoka	10550'
Morrow	10950'
Morrow A	11070'
Morrow B	11113'
Morrow C	11159'
Morrow D	11229'
Morrow, L.	11291'
Barnett	11430'
Mississippian	11782'
Woodford Shale	12250'

383jts - 2-7/8" N-80 tubing

7" Retrievable Packer  
Set at 11,950'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0560289
2. Name of Operator DEVON ENERGY PRODUCTION CO., LP		6. If Indian, Allottee or Tribe Name
Contact: ERIN L WORKMAN E-Mail: ERIN.WORKMAN@DEVN.COM		7. If Unit or CA/Agreement, Name and/or No. NM70798A
3a. Address 333 WEST SHERIDAN AVENUE OKC, OK 73102	3b. Phone No. (include area code) Ph: 405-552-7970	8. Well Name and No. BURTON FLAT DEEP UNIT 44
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T21S R27E 3555FSL 1660FWL		9. API Well No. 30-015-32274
		10. Field and Pool, or Exploratory BURTON FLAT; MORROW
		11. County or Parish, and State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon respectfully requests permission to install an open annulus monitoring system in order to verify there is no fluid communication thru the 7" x 9-5/8" annulus. This system will allow free movement of the fluid level in the annulus and allow Devon personnel to measure the fluid level at the surface. The fluid level will be checked manually using a graduated rod or measuring stick at least weekly by Devon personnel; the level will be input into and tracked by computer software. A larger reservoir for storage of corrosion inhibiting packer fluid will be on location to refill the annulus if the level has dropped, and the volume added to the annulus will be recorded. If 5 bbl or more is required to be added within a month then the well will be shut in and tested for a casing leak.



Attached: Proposed open annulus monitoring system schematic

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #207260 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO., LP, sent to the Carlsbad</b>	
Name (Printed/Typed) ERIN L WORKMAN	Title REGULATORY COMPLIANCE ASSOC.
Signature (Electronic Submission)	Date 05/13/2013

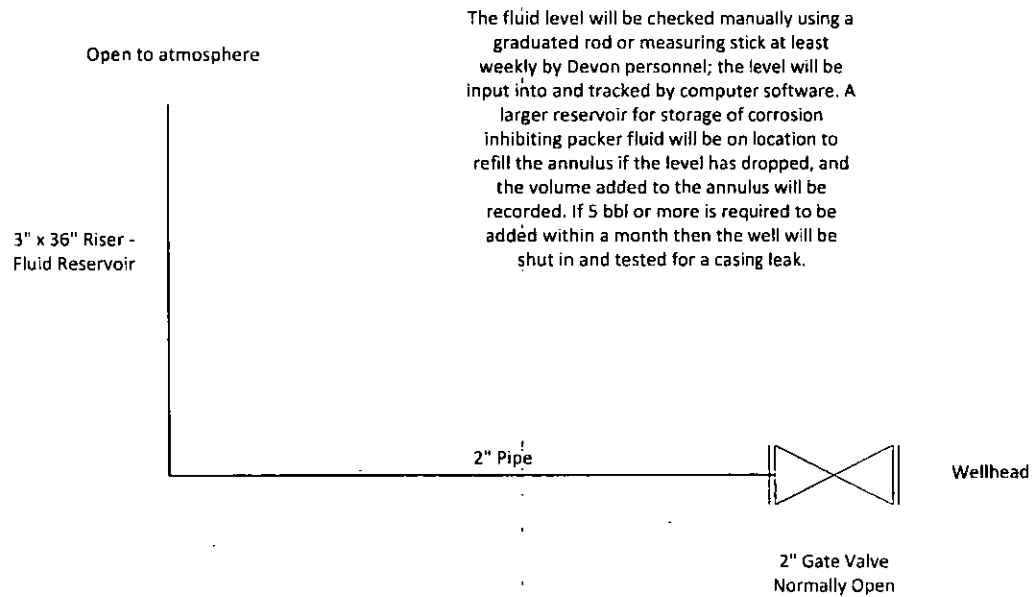
**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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 _____

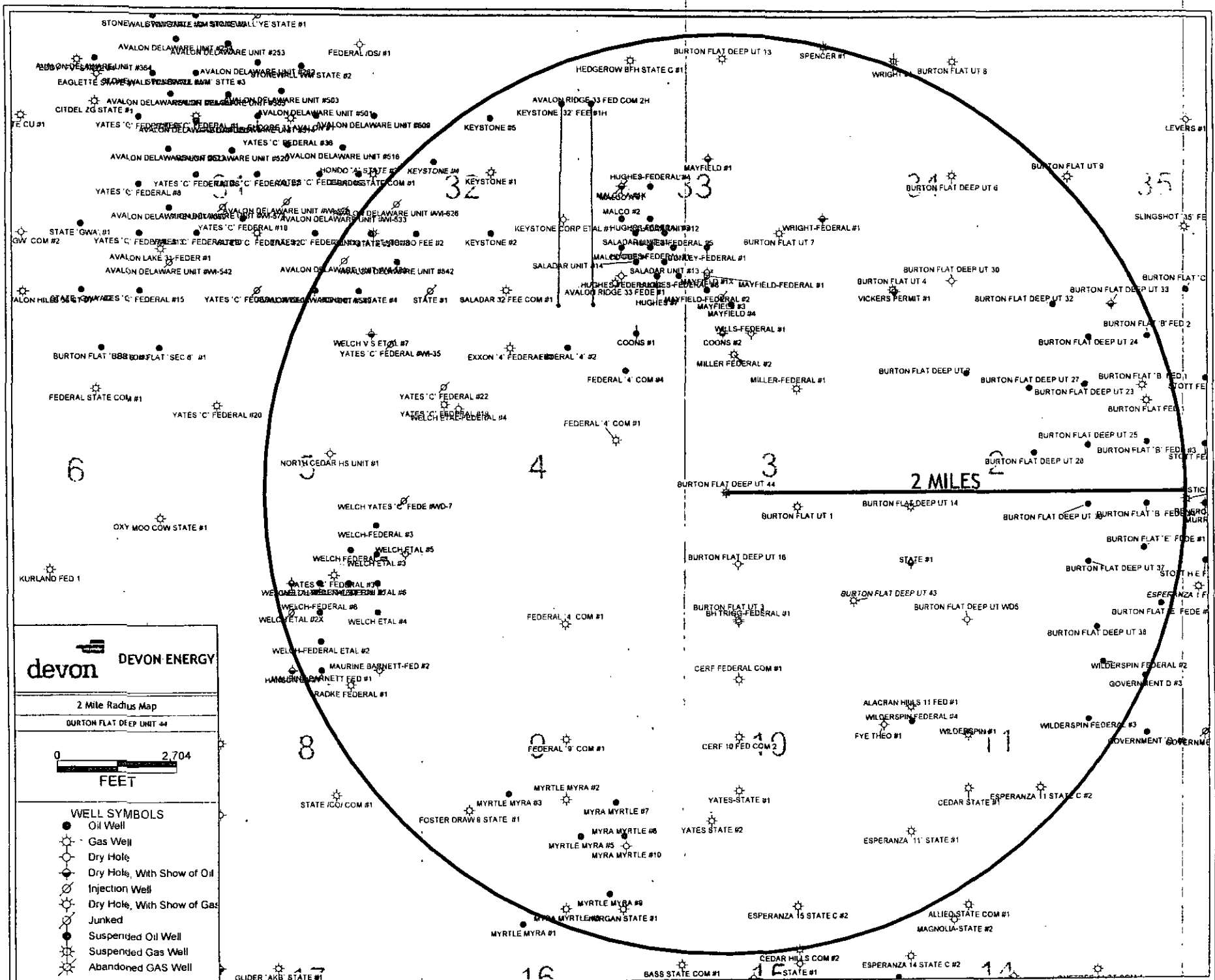
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

Open Annulus Monitoring System  
BFDU #44 SWD  
Devon Energy









C108 ITEM VI-Well Tabulation in 1/2 Mile Review Area																	
Devon Energy Production Company, LP																	
Proposed Inj Well:		BURTON FLAT DEEP UNIT 44															
Proposed Formation:		Siluro/Devonian															
Proposed Interval:		12306' - 12600'															
Operator	Well Name	API NO	County	Surf Location	Sec	Twn	Rnge	Type	Status	Spud Date	Comp Date	TD	PSTD	Comp Zone	Comp Interval-Ft	Casing Program	Cement / TOC
BHP Petroleum Company Inc.	Burton Flat Deep Unit 1	30-015-20733	Eddy	3300' FSL 1980' FEL	3	21S	27E	Gas	P&A	8/29/1972	11/3/1972	11700'	Surf	Morrow	11308-11458' (plugged off) CIBP @ 11,190'; 11360' & 11402'	13-3/8", 48#, @ 607' 9-5/8", 36#, @ 3008' 5-1/2", 17#, @ 11699'	650 sx / surface 1150 sx / surface 450 sx / 11166 toc per plugging report
BHP Petroleum Company Inc.	Burton Flat Deep Unit 16	30-015-24659	Eddy	1980' FSL 1980' FWL	3	21S	27E	Oil	P&A	12/29/1983	2/17/1984	5500'	Surf	Delaware Bone Springs	2893-3013' CIBP @ 2650' 3221-3267' & 3829-3999' 4066-4086' CIBP @ 4030' 4950-4991' CIBP @ 4910' 5081-5089' CIBP @ 5048' 5118-5126' CIBP @ 5200' 5495-5279'	13-3/8", 68#, @ 609' 8-5/8", 24#, @ 2500' 5-1/2", 15.5#, @ 5500'	600 sx / surface 860 sx / surface 700 sx / 2000 ts
Devon Energy Prod Co LP	Burton Flat Deep Unit 44	30-015-32274	Eddy	3555' FSL 1660' FWL	3	21S	27E	Gas	Active	6/1/2002	10/12/2002	12600'	11249'	Morrow Devonian	10895-10986' (open) 11162-11224' (open) 12317-12325' (closed) 12403-12404' (closed) 12407-12459' (closed)	13-3/8", 48#, @ 620' 9-5/8", 40#, @ 2810' 7", 26#, @ 12600'	500 sx / surface 1205 sx / surface 640 sx / 9650 cbl

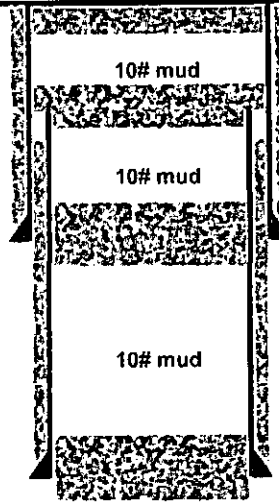
# BHP PETROLEUM

Well Name: BURTON FLAT UNIT 1		Field: BURTON FLAT MORROW	
Location: 3300' FSL & 1980' FEL; SEC 3-T215-R27E		County: EDDY	State: NM
Elevation: 3212' KB		Spud Date: 8/29/72	Compl Date: 11/3/72
API#: 30-015-20733	Prepared by: Ronnie Slack	Date: 10/31/12	Rev:

P&A -per plugging report filed by BHP Petroleum  
Wellbore Plugged 3/27/93

17-1/2" hole  
13-3/8", 48#, H40 @ 607'  
Cmt'd w/650 sx to surf

12-1/4" hole  
9-5/8", 36#, J55 @ 3,008'  
Cmt'd w/1150 sx. TOC @ 380'



Spot 20 sx surface plug

Spot 75 sx stub plug  
9-5/8" casing pulled from 370'

100' cmt plug 557' - 657'

150' cmt plug 2945' - 3095'

10# mud



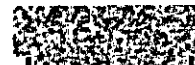
100' cmt plug 5050' - 5150'

10# mud



100' cmt plug 8700' - 8800'

10# mud



5-1/2" casing pulled (depth not reported)  
150' cmt stub plug

TOC @ 11,166'

10# mud

CIBP @ 11,190', w/ 10 sx cmt on op

CIBP @ 11,360', w/ 5 sx cmt

CIBP @ 11,402'

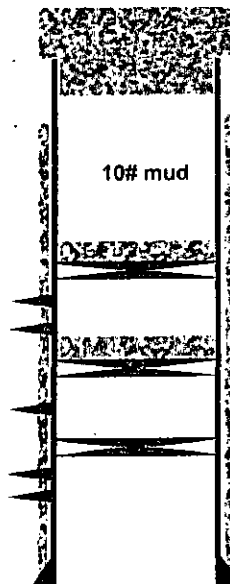
## MORROW

11,308' - 11,312'  
11,322' - 11,330'

11,378' - 11,400'

11,404' - 11,410'  
11,452' - 11,458'

8-3/4" Hole  
5-1/2", 17#, S95 & L80, @ 11,699'  
Cmt'd w/450 sx. TOC @ 11,166'



11,700' TD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN - 7 1992

FORM APPROVED

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

5. Lease Designation and Serial No.

**NM-0560290**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

**Burton Flat Deep**

8. Well Name and No.

**Burton Flat Unit No.1**

9. API Well No.

10. Field and Pool, or Exploratory Area

**Burton Flat Morrow**

11. County or Parish, State

**Eddy New Mexico**

Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

1. Name of Operator

**BHP Petroleum (Americas) Inc. ✓**

2. Address and Telephone No.

**5847 San Felipe Ste 3600 Houston, TX 77057**

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

**3300' FSL & 1980' FEL Sec 3-T21S, R27E**

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

**TYPE OF SUBMISSION**

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

**TYPE OF ACTION**

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

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

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

See attached sheet.

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

Signed [Signature]

Title **Drilg/Operations Engr.**

Date **12/18/91**

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date **1/13/92**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

PLUGGING PROCEDURE  
BHP Petroleum (Americas) Inc.  
Burton Flat Unit No. 1  
Eddy County, New Mexico

Current Well Conditions:

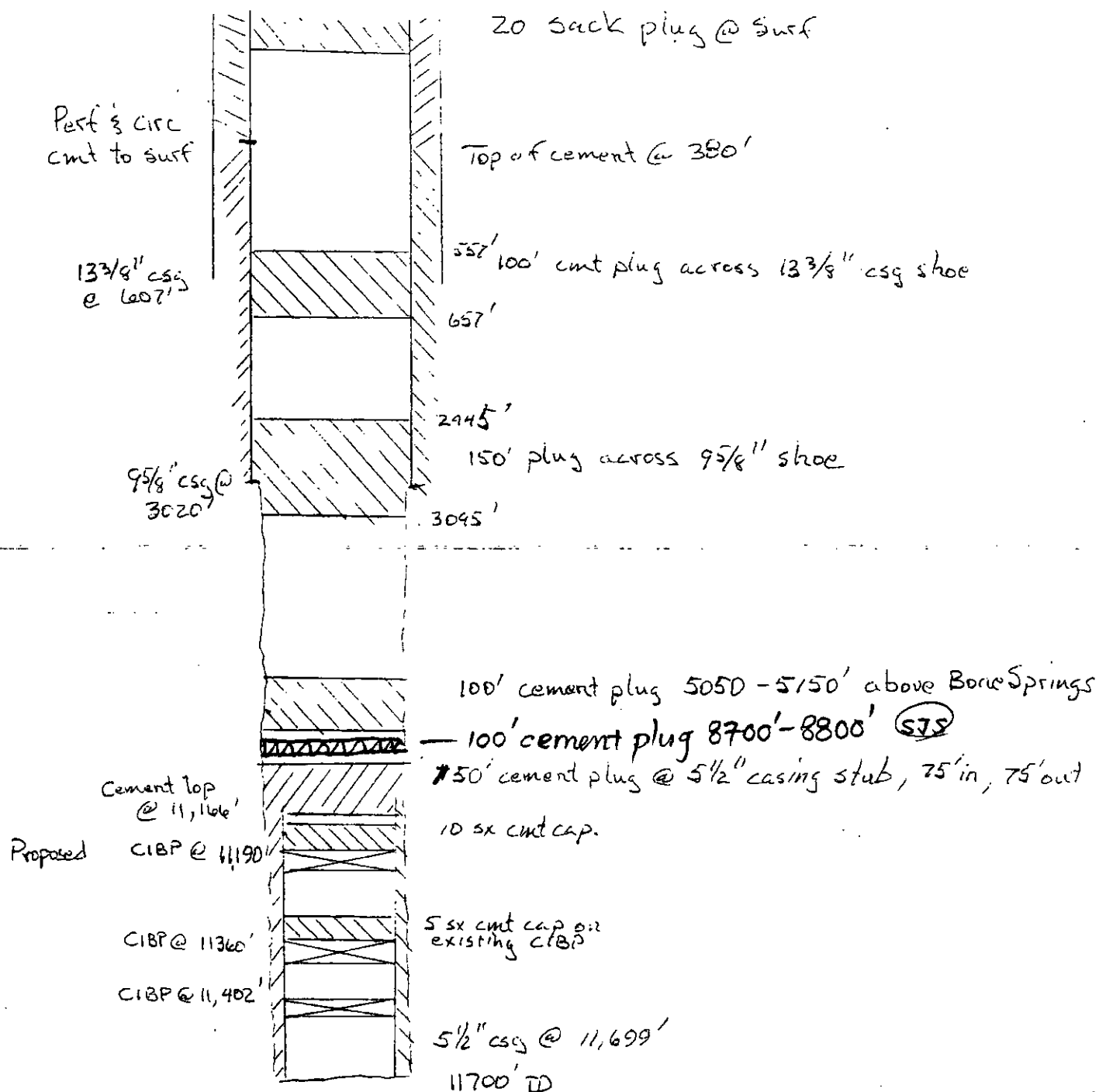
13-3/8" csg set at 607'. Cement circulated to surface.  
9-5/8" csg set at 3020'. Top of cement @ 380'.  
5 1/2" csg set at 11699'. TOC @ 11,166'.  
2-3/8" tbg set at 11028'.  
CIBP set at 11360'. Open perfs @ 11,322-330, 11,308-312,  
11,260-264' & 11,204-216'. (SJS)

Procedure: (Notify BLM @ (505) 887-6544 24 HRS. prior to plugging)

1. Move in and rig up pulling unit and plugging equipment. Dig work pit. ✓
2. ND wellhead and NU BOP. POOH with tubing and lay down production equipment.
3. Rig up wireline unit. RIH with dump bailer and cap the existing CIBP at 11,360' with 5 sacks of cement. ✓ RIH with 5 1/2" CIBP and set at 11,190'. Rig down wireline unit.
4. RIH with tubing open ended to 11,190'. Mix mud and circulate hole with 10#/gal. MLF. ✓ Spot 10 sacks of cement on top of CIBP. TOH with tubing.
5. ND BOP and wellhead. Weld on a 5 1/2" pull nipple. Pull on casing, remove casing slips and determine free point from stretch. Rig up wireline unit and cut casing at free point. Rig down wireline unit. ✓
6. POOH with casing and lay down.
7. TIH with open ended tubing and spot a 55 sack (150 foot) cement plug 75' into casing stub and 75' above stub. WOC and tag plug. ✓
- (SJS) → Spot 100' cement plug @ 8700' to 8800'. WOC & Tag plug.
8. Pull up and spot a 100 foot cement plug at 5050 to 5150'. WOC and tag plug. ✓
9. Spot a 150' cement plug from 3095' to 2945' across the 9-5/8" casing shoe. ✓ WOC and tag plug.
10. Pull up and spot a 100 foot plug across the 13-3/8" casing shoe at 607' from 657' to 557'. ~~Tag plug.~~ → Not necessary to Tag. (SJS)
- \* 11. Perforate 9-5/8" casing at 370' and establish circulation to surface. Circulate cement to surface. ✓
12. Cut wellhead off 3' below ground level and place a 20 sack cement plug in surface. Rig down and move off location. ✓

# Boston Flat Unit No. 1

## Proposed Plugging Schematic



CLSP

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

NM-0560290

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

Burton Flat Deep

8. Well Name and No.

Burton Flat Unit No.1

9. API Well No.

10. Field and Pool, or Exploratory Area

Burton Flat Morrow

11. County or Parish, State

Eddy, New Mexico

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other  
☒ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

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

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

Plugging and Abandonment of Burton Flat No.1 completed according to approved Sundry Notice dated 1/3/92. One change was made in the previously approved procedure. Changes are as follows:

Item No. 11 on procedure reads: Perforate 9-5/8" casing at 370' and establish circulation to surface. Circulate cement to surface.

~~CHANGE:~~ Jet cut 9-5/8" csg. @ 370'± from surface. POOH and lay down 9-5/8" csg.. RIH w/2-7/8" tbg. to 50' inside the csg. stub and pump 75 sk cmt plug and POOH and lay down 2-7/8" tbg.

Verbal approval given and witnessed by Mr. Don Early, BLM Field Representative.

Original Sundry approved by Shannon Shaw 1/3/92. P&A procedure completed 3/27/93.

Post ID-2  
5-7-93  
P&A

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

Signed

Carl Kolbe

Title Regulatory Affairs Rep.

Date 3/29/93

(This space for Federal or State office use)

Approved by

(CRIG. SGD.) JOE G. LARA

Title

Date

4/23/93

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

# BHP PETROLEUM

Well Name: BURTON FLAT DEEP UNIT 16	Field: WILDCAT DELAWARE
Location: 1980' FSL & 1980' FWL SEC 3-T215-R27E	County: EDDY State: NM
Elevation: 3201' GL	Spud Date: 12/26/83 Compl Date: NA
API#: 30-015-24659 Prepared by: Ronnie Slack	Date: 11/1/12 Rev:

Note: P&A is based on intent sundry procedure filed by BHP Petroleum 6/29/89. Did not find a copy of subsequent plugging sundry on OCD web site, but OCD notes well is plugged and site released.

17-1/2" hole  
13-3/8", 68#, K55, STC, @ 609'  
 Cmt'd w/600 sx to surf

Spot 15 sx surface plug

10# mud

Spot 30 sx cmt @ 659'

10# mud

Spot 35 sx cmt stub plug. (75' in/out)

Cut 5-1/2" csg @ +/- 1,900'

10# mud

12-1/4" hole  
8-5/8", 24#, K55, STC, @ 2,500'  
 Cmt'd w/860 sx to surf

25 sx cmt @ 2,550'

10# mud

CIBP @ 2,850', w/10 sx cement

PERFS  
 2,893' - 3,013'  
 3,221' - 3,267'  
 3,829' - 3,999'

Cap w/5 sx cmt per plugging procedure  
 CIBP @ 4,030', w/15' cement during cmpl.

PERFS  
 4,066' - 4,086'

CIBP @ 4,910'

PERFS  
 4,950' - 4,991'

CIBP @ 5,048'

PERFS  
 5,081' - 5,089'  
 5,118' - 5,126'

CIBP @ 5,200'

PERFS  
 5,279' - 5,495'

7-7/8" Hole  
5-1/2", 15.5#, K55, STC, @ 5,500'  
 Cmt'd w/700 sx. TOC @ 2000' by temp survey

5,500' TD

Form 3160-5  
(November 1983)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN  
(Other Insty-  
Circled)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO

NM 0560289

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME Burton Flat Deep Unit
2. NAME OF OPERATOR BHP Petroleum Company Inc.	8. FARM OR LEASE NAME Burton Flat Deep Unit
3. ADDRESS OF OPERATOR 6 Desta Drive Suite 3200 Midland, TX 79705	9. WELL NO. 16
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FSL & 1980' FWL Sec 3	10. FIELD AND POOL, OR WILDCAT Wildcat-Delaware
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 3, T-21-S, R-27-E	12. COUNTY OR PARISH Eddy
13. ELEVATIONS (Show whether DF, RT, GR, etc.) 3201' GL	14. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\* P&A

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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.)

See Attached- Plugging Procedure Proposal



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

SIGNED

TITLE Petroleum Engineer

DATE 6/29/89

Hal Crabb, III  
(This space for Federal or State officer use)

APPROVED BY

FOR:

TITLE

DATE 7-13-89

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



OPERATOR: BHP Petroleum, INC.

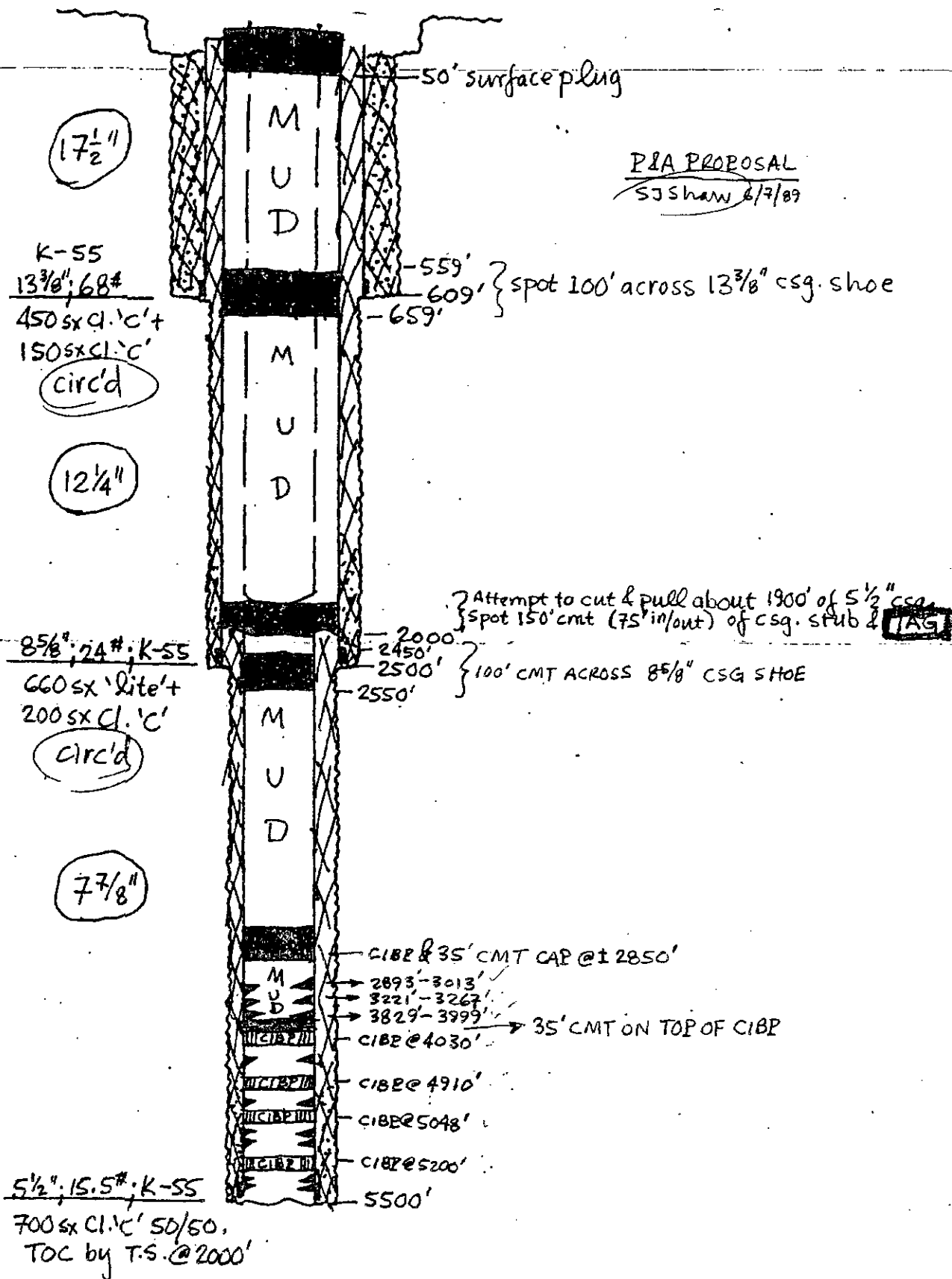
[CARLSBAD CONTROLLED WATER BASIN]

WELL: Burton Flat Deep Unit #16 LEASE NO: NM-0560289

LOCATION: NE 1/4, SW 1/4 sec. 3 T. 21 S R. 27 E

P&A PROPOSAL

SJ Shaw 6/7/89



**Burton Flat Deep Unit 44**  
**C108 Application for Injection**  
**Injection Water Analysis**  
**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:	ARTESIA, NM	Sample #:	632688
Lease/Platform:	LONE TREE STATE COM	Analysis ID #:	127459
Entity (or well #):	1	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 632688 @ 75 F					
Sampling Date:	11/29/2012	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	12/10/2012	Chloride:	151976.0	4286.69	Sodium:	57796.1	2513.99
Analyst:	LEAH DURAN	Bicarbonate:	122.0	2.0	Magnesium:	4316.0	355.05
TDS (mg/l or g/m3):	244966.1	Carbonate:	0.0	0.0	Calcium:	28034.0	1398.9
Density (g/cm3, tonne/m3):	1.168	Sulfate:	1013.0	21.09	Strontium:	782.0	17.85
Anion/Cation Ratio:	1	Phosphate:			Barium:	1.0	0.01
		Borate:			Iron:	19.0	0.69
		Silicate:			Potassium:	898.0	22.97
					Aluminum:		
Carbon Dioxide:	300 PPM	Hydrogen Sulfide:		0 PPM	Chromium:		
Oxygen:		pH at time of sampling:		7	Copper:		
Comments:		pH at time of analysis:			Lead:		
		pH used in Calculation:		7	Manganese:	9.000	0.33
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.14	10.25	0.24	228.80	0.28	202.21	0.28	147.36	0.47	0.28	0.06
100	0	1.15	11.36	0.17	175.34	0.27	200.82	0.26	139.61	0.28	0.28	0.08
120	0	1.17	12.46	0.11	125.48	0.30	213.29	0.26	138.50	0.12	0.00	0.11
140	0	1.19	13.30	0.07	81.71	0.35	235.72	0.27	142.65	-0.02	0.00	0.14

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

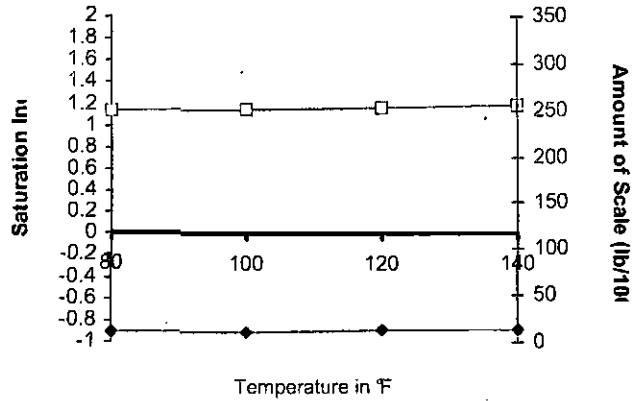
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

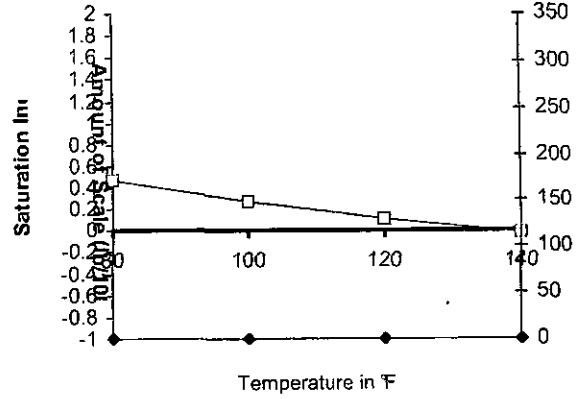
# Scale Predictions from Baker Petrolite

Analysis of Sample 632688 @ 75 °F for DEVON ENERGY CORPORATION, 12/10/2012

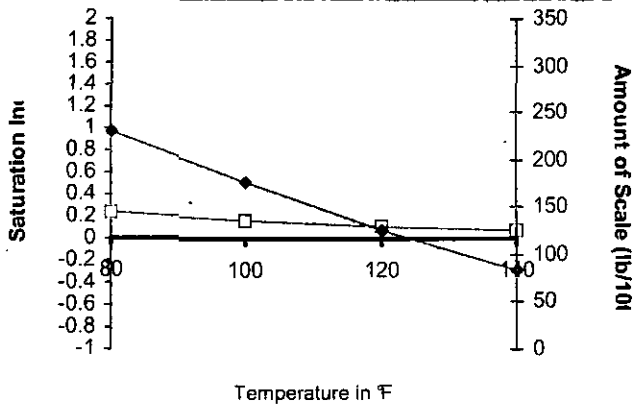
**Calcite -  $\text{CaCO}_3$**



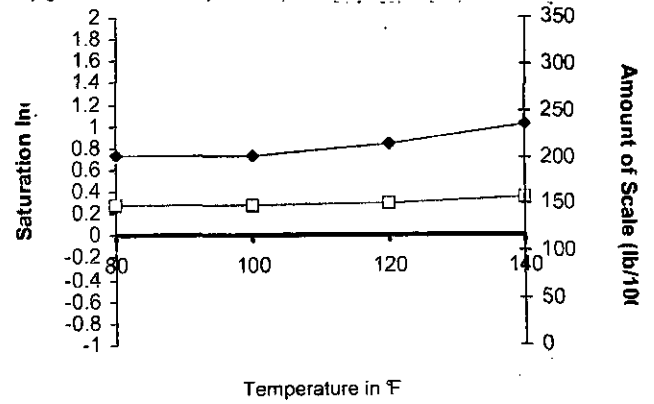
**Barite -  $\text{BaSO}_4$**



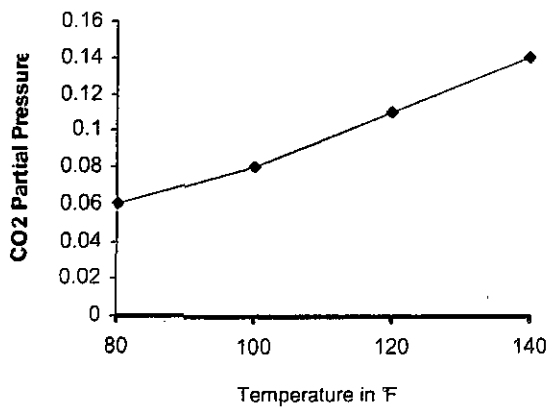
**Gypsum -  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$**



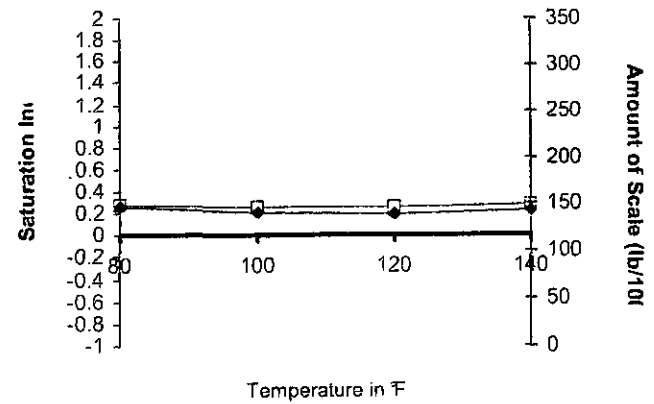
**Anhydrite -  $\text{CaSO}_4$**



**Carbon Dioxide Partial Pressure**



**Celestite -  $\text{SrSO}_4$**



**Burton Flat Deep Unit 44**  
**C108 Application for Injection**  
**Injection Water Analysis**  
**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:	ARTESIA, NM	Sample #:	632687
Lease/Platform:	LONE TREE STATE 13	Analysis ID #:	127458
Entity (or well #):	2 - H	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 632687 @ 75 °F			
		Anions		Cations	
		mg/l	meq/l	mg/l	meq/l
Sampling Date:	11/29/2012	Chloride:	127509.0	Sodium:	49363.9
Analysis Date:	12/10/2012	Bicarbonate:	183.0	Magnesium:	3612.0
Analyst:	LEAH DURAN	Carbonate:	0.0	Calcium:	23129.0
TDS (mg/l or g/m3):	207014.4	Sulfate:	1724.0	Strontium:	623.0
Density (g/cm3, tonne/m3):	1.143	Phosphate:		Barium:	0.5
Anion/Cation Ratio:	1	Borate:		Iron:	37.0
		Silicate:		Potassium:	823.0
Carbon Dioxide:	300 PPM	Hydrogen Sulfide:	0 PPM	Aluminum:	
Oxygen:		pH at time of sampling:	7	Chromium:	
Comments:		pH at time of analysis:		Copper:	
		pH used in Calculation:	7	Lead:	
				Manganese:	10.000
				Nickel:	0.36

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.20	18.37	0.39	559.70	0.41	457.23	0.48	229.62	0.47	0.29	0.1
100	0	1.23	20.09	0.33	502.58	0.42	460.96	0.47	225.03	0.29	0.00	0.13
120	0	1.25	21.53	0.28	451.49	0.45	481.34	0.46	224.74	0.13	0.00	0.17
140	0	1.28	23.25	0.25	408.44	0.51	513.20	0.47	227.90	-0.01	0.00	0.22

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

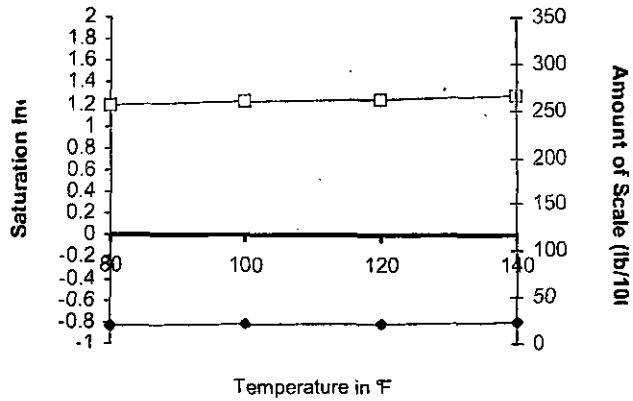
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO<sub>2</sub> pressure is actually the calculated CO<sub>2</sub> fugacity. It is usually nearly the same as the CO<sub>2</sub> partial pressure.

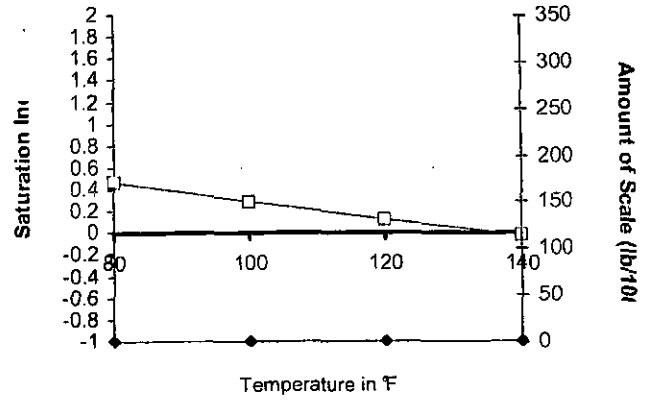
# Scale Predictions from Baker Petrolite

Analysis of Sample 632687 @ 75 °F for DEVON ENERGY CORPORATION, 12/10/2012

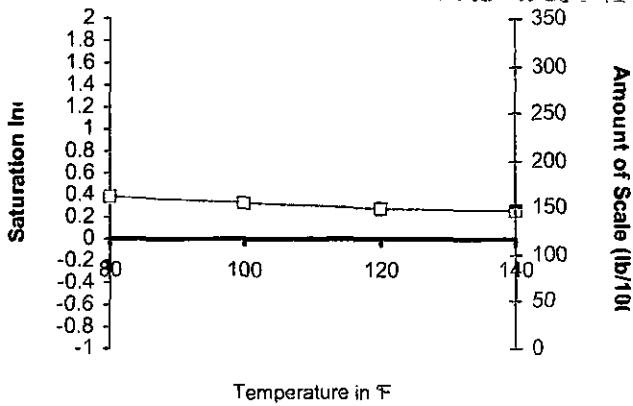
**Calcite -  $\text{CaCO}_3$**



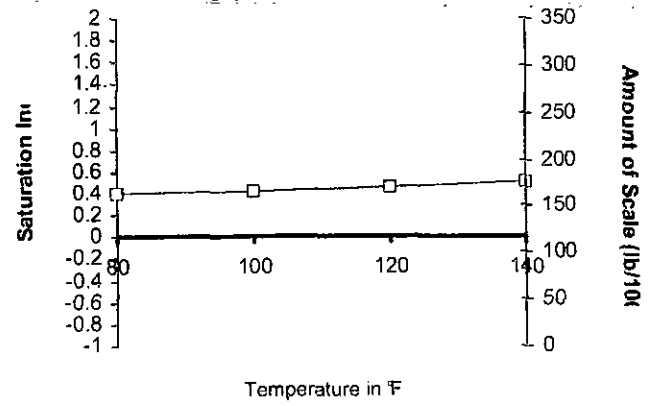
**Barite -  $\text{BaSO}_4$**



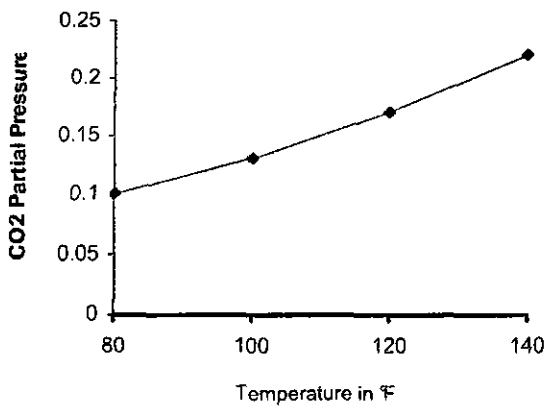
**Gypsum -  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$**



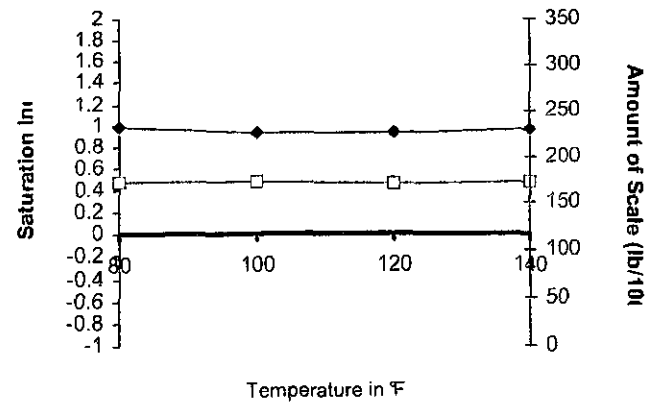
**Anhydrite -  $\text{CaSO}_4$**



**Carbon Dioxide Partial Pressure**



**Celestite -  $\text{SrSO}_4$**



**Burton Flat Deep Unit 44**  
**C108 Application for Injection**  
**Injection Water Analysis**  
**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 #:	632686
Lease/Platform:	LONE TREE STATE	Analysis ID #:	127457
Entity (or well #):	1	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 632686 @ 75 °F					
Sampling Date:	11/29/2012	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	12/10/2012	Chloride:	153810.0	4338.42	Sodium:	56226.7	2445.72
Analyst:	LEAH DURAN	Bicarbonate:	122.0	2.0	Magnesium:	4572.0	376.11
TDS (mg/l or g/m3):	247633.7	Carbonate:	0.0	0.0	Calcium:	29985.0	1496.26
Density (g/cm3, tonne/m3):	1.169	Sulfate:	1084.0	22.57	Strontium:	828.0	18.9
Anion/Cation Ratio:	1	Phosphate:			Barium:	1.0	0.01
		Borate:			Iron:	18.0	0.65
		Silicate:			Potassium:	978.0	25.01
Carbon Dioxide:	250 PPM	Hydrogen Sulfide:		0 PPM	Aluminum:		
Oxygen:		pH at time of sampling:		7	Chromium:		
Comments:		pH at time of analysis:			Copper:		
		pH used in Calculation:		7	Lead:		
					Manganese:	9.000	0.33
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.16	10.50	0.29	281.78	0.33	243.38	0.32	176.53	0.48	0.28	0.06
100	0	1.17	11.33	0.22	231.23	0.33	242.28	0.31	168.79	0.30	0.28	0.08
120	0	1.19	12.43	0.17	184.54	0.35	254.43	0.31	168.24	0.14	0.28	0.1
140	0	1.21	13.54	0.12	143.65	0.40	275.98	0.32	172.66	0.00	0.00	0.13

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

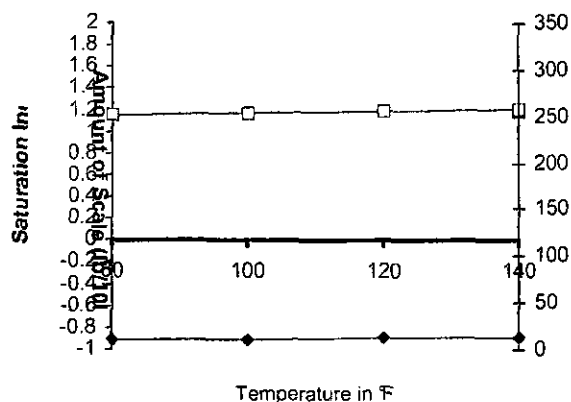
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

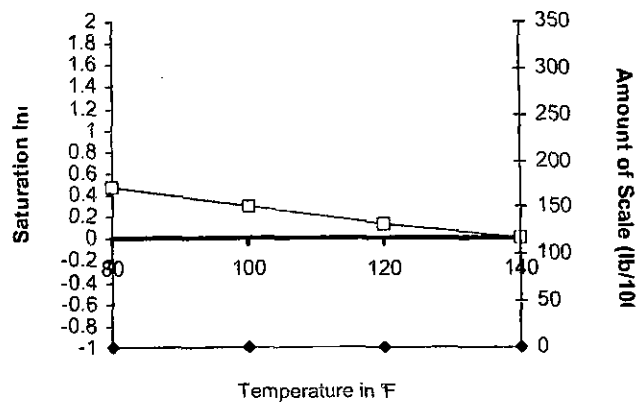
# Scale Predictions from Baker Petrolite

Analysis of Sample 632686 @ 75 °F for DEVON ENERGY CORPORATION, 12/10/2012

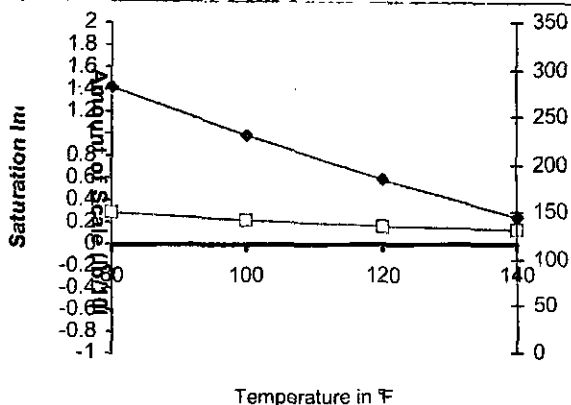
**Calcite -  $\text{CaCO}_3$**



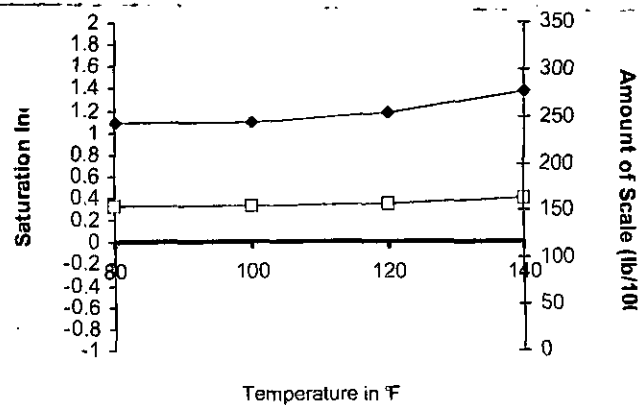
**Barite -  $\text{BaSO}_4$**



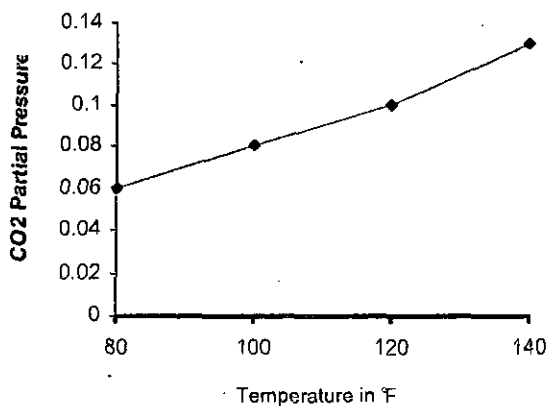
**Gypsum -  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$**



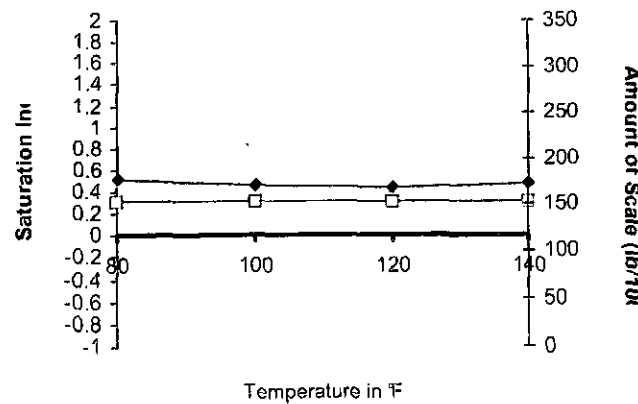
**Anhydrite -  $\text{CaSO}_4$**



**Carbon Dioxide Partial Pressure**



**Celestite -  $\text{SrSO}_4$**



**Porter, Stephanie**

---

**From:** Porter, Stephanie  
**Sent:** Thursday, December 20, 2012 1:06 PM  
**To:** William.V.Jones@state.nm.us  
**Subject:** Birton Flat Deep Unit 44 (SWD Application): Fresh Water Well Analysis Obtained  
**Attachments:** BURTON FLAT WATER WELLS.PDF; BFDU 44\_WaterWellAnalysis.pdf

Will,

Our field guys were able to obtain analysis from 3 water wells surrounding the Burton Flat Deep Unit 44 well. I'm sure this documentation will be helpful in support of the SWD application that is currently under review. ☺

***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](mailto:Stephanie.Porter@dvn.com)

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

---



water well sample #3  
lat 32.55269 long -104.18176

BURTON FLAT DEEP UN 11

BURTON FLAT DEEP UNIT 41

BURTON FLAT UNIT 8

BURTON FLAT DEEP UNIT 6

water well sample #1 Mat cox water well sec 33 t20s r28e

2.602 Miles

1.445 Miles

BURTON DEEP UNIT 32

BURTON FLAT DEP UNIT 23

BURTON FLAT DEEP UT 25

BURTON FLAT DEEP UN 36

SWD

BURTON FLAT DEEP UNIT 44

water well nearst burton flat swd lat32.5078 long-104.1774

BURTON FLAT DEEP UNIT 43

BURTON FLAT UNIT 3

BURTON FLAT DEEP UNIT 38

CERF FEDERAL COM 1

## Devon GIS Mapping



Disclaimer: This plat is for illustrative purposes only and is neither a legally recorded map nor a survey and is not intended to be used as one.

Scale 1:36,112

Date Printed 11/20/2012 12:53:57 PM

ALLIED STATE COM 1

LONE TREE DRAW 13 STATE COM 1H

**Burton Flat Deep Unit 44**  
**C108 Application for Injection**  
**Fresh Water Analysis (Water Well Sample)**  
**Mathew Cox Well 1**  
**Sec 33-T20S-R28E**

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 #:	578328
Lease/Platform:	BURTON FLATS 44 SWD	Analysis ID #:	127719
Entity (or well #):	MATHEW COX WELL 1	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 578328 @ 75 °F							
Sampling Date:	11/23/2012	Anions		mg/l	meq/l	Cations		mg/l	meq/l
Analysis Date:	12/19/2012	Chloride:	724.0		20.42	Sodium:	727.0		31.62
Analyst:	LEAH DURAN	Bicarbonate:	158.6		2.6	Magnesium:	211.0		17.36
		Carbonate:	0.0		0.	Calcium:	656.0		32.73
TDS (mg/l or g/m3):	5336.2	Sulfate:	2841.0		59.15	Strontium:	9.0		0.21
Density (g/cm3, tonne/m3):	1.005	Phosphate:				Barium:	0.1		0.
Anion/Cation Ratio:	1.0000001	Borate:				Iron:	0.5		0.02
		Silicate:				Potassium:	9.0		0.23
Carbon Dioxide:		Hydrogen Sulfide:			0 PPM	Aluminum:			
Oxygen:		pH at time of sampling:			6.4	Chromium:			
Comments:		pH at time of analysis:				Copper:			
		pH used in Calculation:			6.4	Lead:			
						Manganese:	0.025		0.
						Nickel:			

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> *2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	-0.60	0.00	0.06	106.69	-0.01	0.00	-0.15	0.00	1.06	0.00	0.75
100	0	-0.48	0.00	0.05	94.13	0.05	69.03	-0.15	0.00	0.90	0.00	0.98
120	0	-0.34	0.00	0.05	104.25	0.13	183.04	-0.13	0.00	0.78	0.00	1.22
140	0	-0.19	0.00	0.07	131.79	0.24	301.93	-0.10	0.00	0.68	0.00	1.47

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

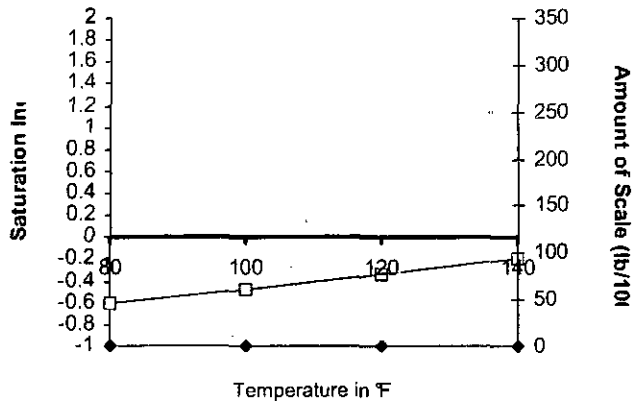
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

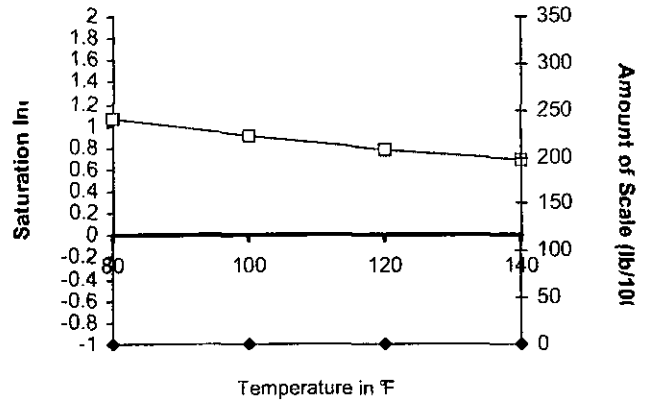
# Scale Predictions from Baker Petrolite

Analysis of Sample 578328 @ 75 °F for DEVON ENERGY CORPORATION, 12/19/2012

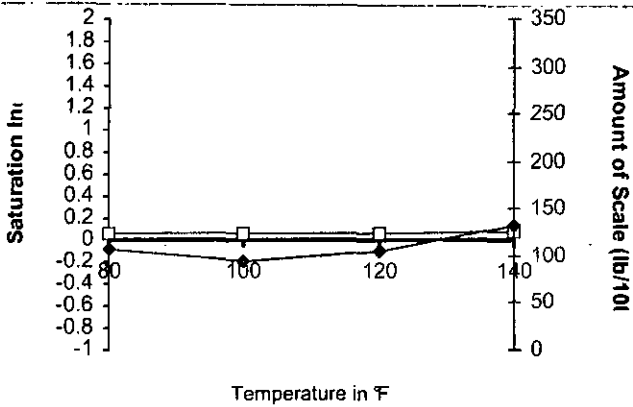
**Calcite -  $\text{CaCO}_3$**



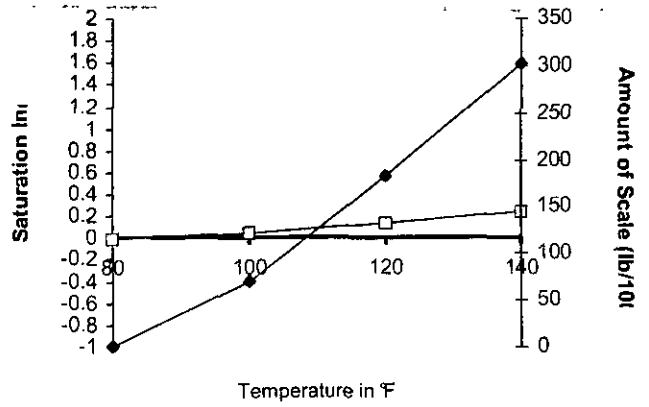
**Barite -  $\text{BaSO}_4$**



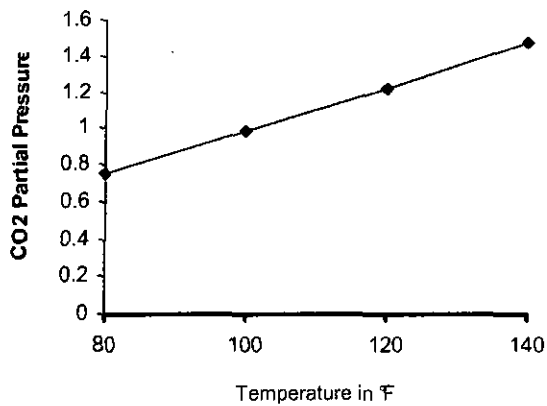
**Gypsum -  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$**



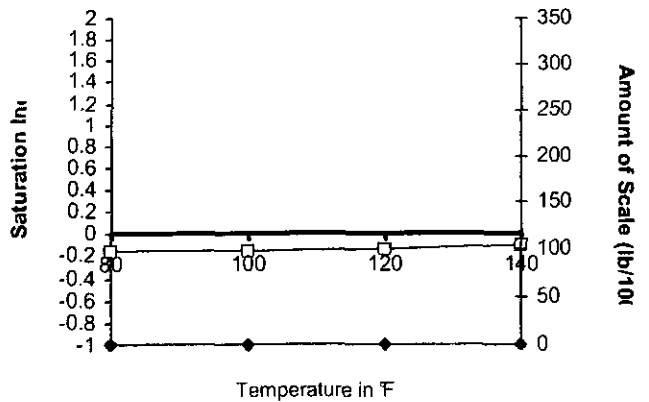
**Anhydrite -  $\text{CaSO}_4$**



**Carbon Dioxide Partial Pressure**



**Celestite -  $\text{SrSO}_4$**



**Burton Flat Deep Unit 44**  
**C108 Application for Injection**  
**Fresh Water Analysis (Water Well Sample)**  
**Burton Flats 44 SWD - Entity 2**  
**Lat 32.5078 Long -104.1774**

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 #:	578329
Lease/Platform:	BURTON FLATS 44 SWD	Analysis ID #:	127717
Entity (or well #):	2	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 578329 @ 75 °F					
Sampling Date:	11/23/2012	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	12/19/2012	Chloride:	414.0	11.68	Sodium:	504.5	21.95
Analyst:	LEAH DURAN	Bicarbonate:	146.4	2.4	Magnesium:	121.0	9.95
		Carbonate:	0.0	0.	Calcium:	561.0	27.99
TDS (mg/l or g/m3):	4028.9	Sulfate:	2245.0	46.74	Strontium:	9.5	0.22
Density (g/cm3, tonne/m3):	1.004	Phosphate:			Barium:	0.1	0.
Anion/Cation Ratio:	1.0000002	Borate:			Iron:	0.4	0.01
		Silicate:			Potassium:	27.0	0.69
					Aluminum:		
Carbon Dioxide:		Hydrogen Sulfide:		0 PPM	Chromium:		
Oxygen:		pH at time of sampling:		6.2	Copper:		
Comments:		pH at time of analysis:			Lead:		
		pH used in Calculation:		6.2	Manganese:	0.025	0.
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	-0.84	0.00	-0.02	0.00	-0.09	0.00	-0.14	0.00	1.04	0.00	1.14
100	0	-0.72	0.00	-0.03	0.00	-0.03	0.00	-0.14	0.00	0.89	0.00	1.48
120	0	-0.58	0.00	-0.02	0.00	0.05	68.42	-0.12	0.00	0.77	0.00	1.85
140	0	-0.43	0.00	-0.01	0.00	0.16	187.47	-0.09	0.00	0.67	0.00	2.24

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

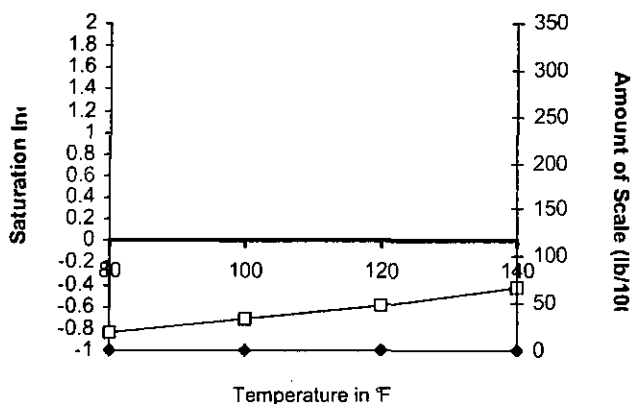
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

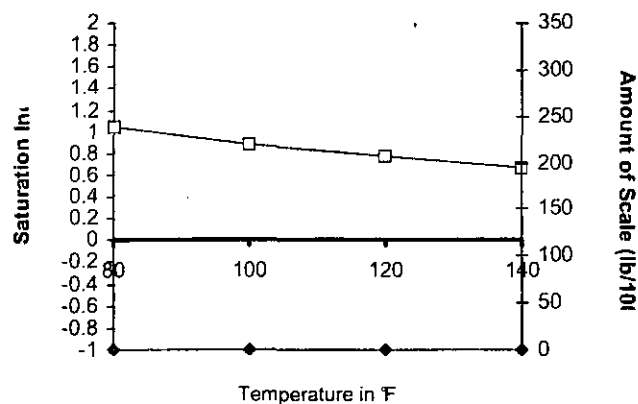
# Scale Predictions from Baker Petrolite

Analysis of Sample 578329 @ 75 °F for DEVON ENERGY CORPORATION, 12/19/2012

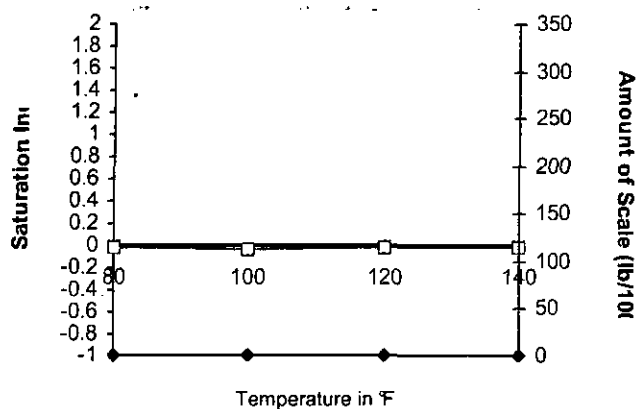
## Calcite - $\text{CaCO}_3$



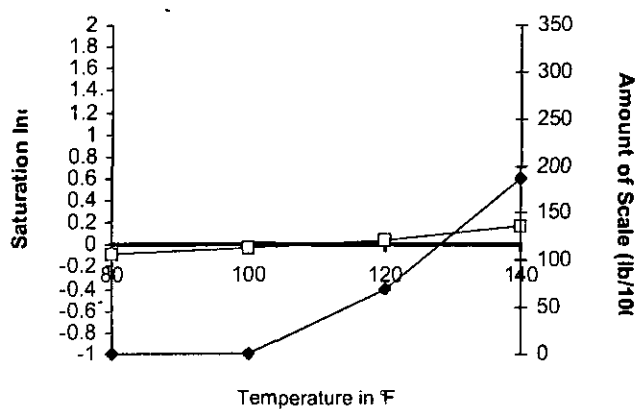
## Barite - $\text{BaSO}_4$



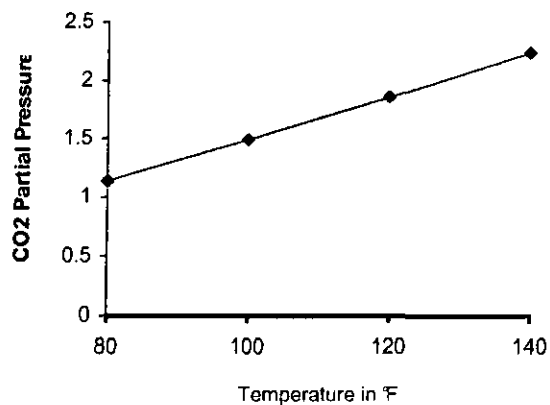
## Gypsum - $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$



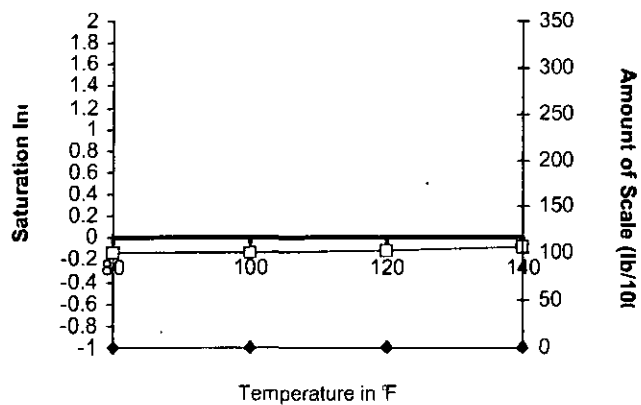
## Anhydrite - $\text{CaSO}_4$



## Carbon Dioxide Partial Pressure



## Celestite - $\text{SrSO}_4$





**Burton Flat Deep Unit 44**  
**C108 Application for Injection**  
**Fresh Water Analysis (Water Well Sample)**  
**Burton Flats 44 SWD - Entity 3**  
**Lat 32.55269 Long -104.18176**

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 #: 578330
Lease/Platform: BURTON FLATS 44 SWD	Analysis ID #: 127718
Entity (or well #): 3	Analysis Cost: \$90.00
Formation: UNKNOWN	
Sample Point: WELLHEAD	

Summary		Analysis of Sample 578330 @ 75 °F					
Sampling Date:	11/23/2012	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	12/19/2012	Chloride:	444.0	12.52	Sodium:	501.9	21.83
Analyst:	LEAH DURAN	Bicarbonate:	122.0	2.	Magnesium:	114.0	9.38
TDS (mg/l or g/m3):	3852.2	Carbonate:	0.0	0.	Calcium:	541.0	27.
Density (g/cm3, tonne/m3):	1.003	Sulfate:	2115.0	44.03	Strontium:	7.0	0.16
Anion/Cation Ratio:	0.9999997	Phosphate:			Barium:	0.1	0.
		Borate:			Iron:	0.6	0.02
		Silicate:			Potassium:	6.5	0.17
Carbon Dioxide:	0 PPM	Hydrogen Sulfide:		0 PPM	Aluminum:		
Oxygen:		pH at time of sampling:		6.6	Chromium:		
Comments:		pH at time of analysis:			Copper:		
		pH used in Calculation:		6.6	Lead:		
					Manganese:	0.100	0.
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	-0.53	0.00	-0.05	0.00	-0.12	0.00	-0.28	0.00	1.03	0.00	0.38
100	0	-0.40	0.00	-0.05	0.00	-0.06	0.00	-0.28	0.00	0.88	0.00	0.49
120	0	-0.26	0.00	-0.05	0.00	0.03	36.31	-0.26	0.00	0.76	0.00	0.62
140	0	-0.12	0.00	-0.03	0.00	0.14	156.07	-0.23	0.00	0.66	0.00	0.75

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

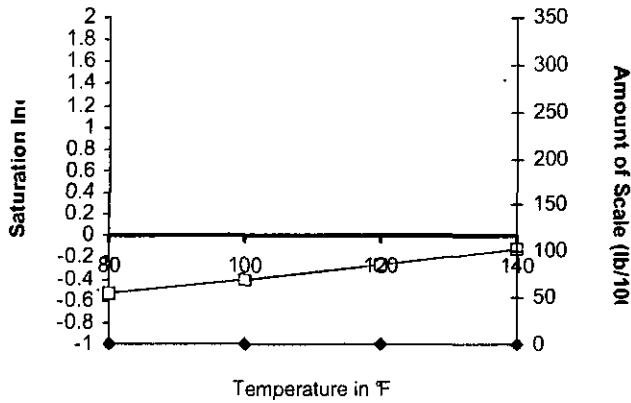
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

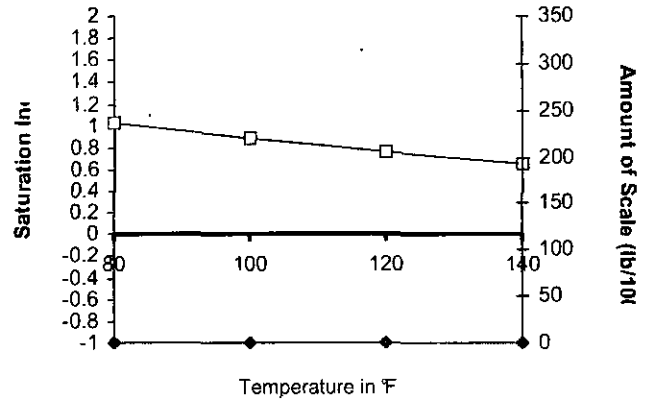
# Scale Predictions from Baker Petrolite

Analysis of Sample 578330 @ 75 °F for DEVON ENERGY CORPORATION, 12/19/2012

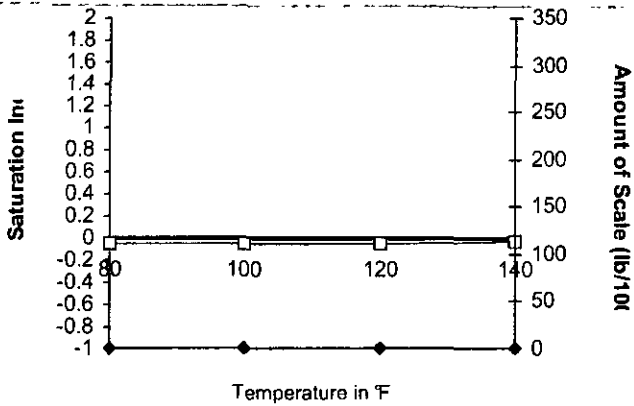
**Calcite -  $\text{CaCO}_3$**



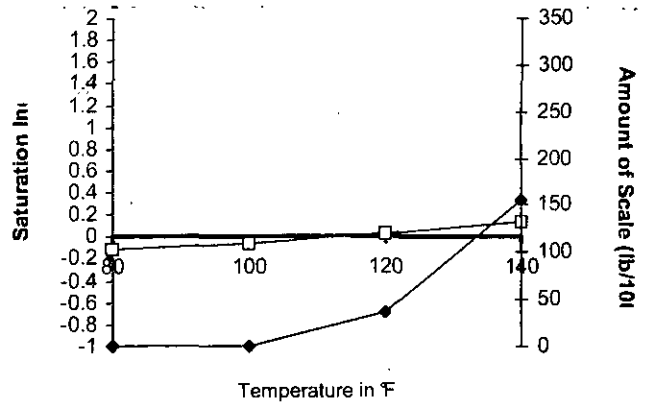
**Barite -  $\text{BaSO}_4$**



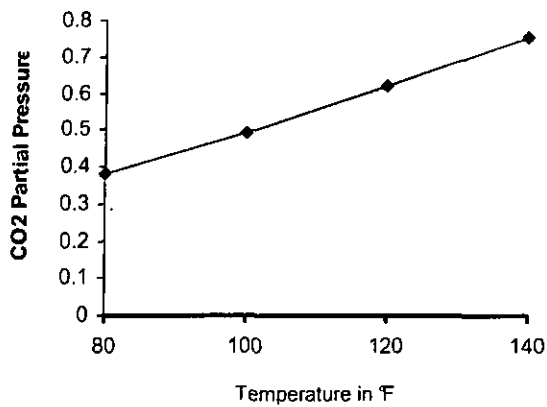
**Gypsum -  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$**



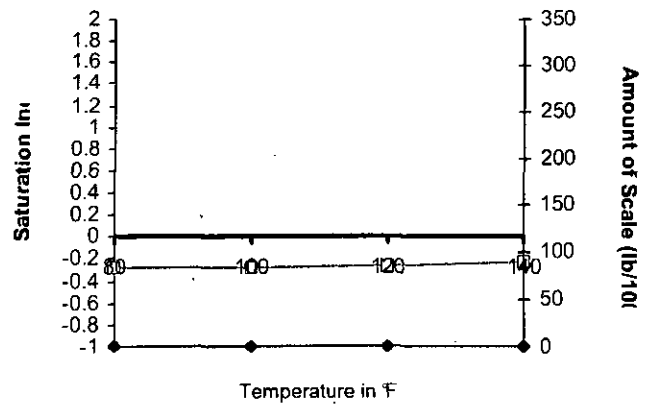
**Anhydrite -  $\text{CaSO}_4$**



**Carbon Dioxide Partial Pressure**



**Celestite -  $\text{SrSO}_4$**



Status: PRODUCING  
Prod Method: FLOWING

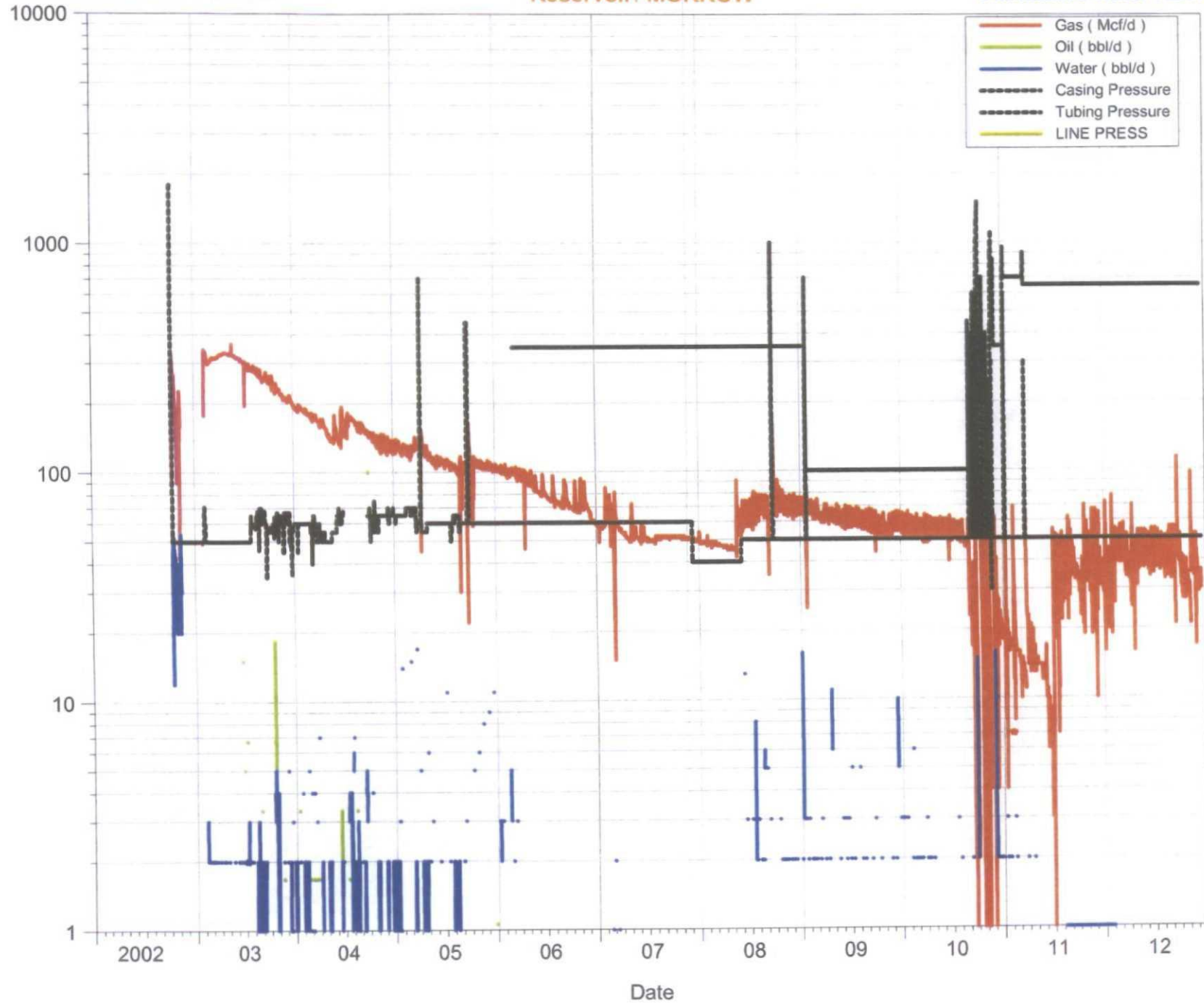
## BURTON FLAT DEEP UNIT 44

Reservoir: MORROW

Cumulative Gas : 319.75 MMcf

Cumulative Oil : 0.10 Mbbbl

Cumulative Water : 2.17 Mbbbl





# 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:

April 19 2013

That the cost of publication is **\$59.41** and that payment thereof has been made and will be assessed as court costs.

Kathy McCarroll

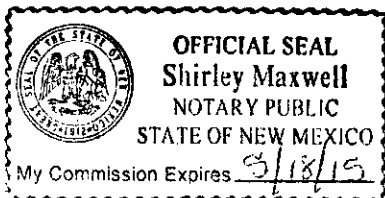
Subscribed and sworn to before me this

24th day of April, 2013

Shirley Maxwell

My commission Expires on May 18, 2015

Notary Public



April 19, 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 proposed well, the Burton Flat Deep Unit #44, is located at 3555 FSL & 1660th FWH Section 3, Township 21 South, Range 27 East, in Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Bone Spring and/or Delaware formations. The disposal water will be injected into the Devonian formation at a depth of 12,306' to 12,600' open hole at a maximum surface pressure of 2460 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.

Leasehold Owners  
Burton Flat Deep Unit #44 SWD  
Eddy County, NM

20S 28E

34  
Patterson Petroleum, LLC  
Paladin, Inc.  
Thomas Family, L.P.  
Fred C. Corey  
CMM Resources, LLC  
Lynn S. Charuk  
Mitchel E. Cheney  
Herbaly Exploration, LLC  
Moon Royalty, LLC  
McCully-Chapman Exploration, Inc.

5  
4  
Chevron USA, Inc.  
Cimarex Energy Company

Rubicon Oil & Gas II, L.P.  
Chevron Usa, Inc.  
Jeff G. Slade  
Stratco Operating, Inc.

Cimarex Energy Company  
Mika Petroleum LLC  
Broughton Petroleum, Inc.  
Stratco Operating, Inc.

1/2 mile radius  
BFDU #44

3  
2  
Devon Energy Production Company, L.F.  
Energen Resources  
Claremont Corp.  
Davoil, Inc.  
Ard Energy Group  
Great Western Drilling  
Edward R. Hudson, Jr.  
Zorro Partners, Ltd.  
J&L Resources, Inc.  
Redfern Enterprises, Inc.  
Sieb Resources, Inc.

21S 27E

14

15

16

17

29

28

27

Surface Owners

Burton Flat Deep Unit #44 SWD

Eddy County, NM

32 20S 28E

33

34

5

4

3

2

21S 27E

8

9

10

11

BLM Surface

BLM Surface

BLM Surface

BLM Surface

1/2 mile radius

BFDU #44

BLM Surface

BLM Surface

**Leasehold Operator Ownership**  
**½ mile Burton Flat Deep Unit #44 SWD**

**Township 21 South, Range 27 East**

**Section 4 : Lots 8 & 9**

Chevron U.S.A.  
P.O. Box 2100  
Houston, TX 77252

Operator of Record

Magnum Hunter Production, Inc.  
c/o Cimarex Energy Company  
600 N. Marienfeld, Suite 600  
Midland, TX 79701

100%

**Section 4: Lot 16**

Rubicon Oil & Gas II, L.P.  
508 W. Wall, Suite 550  
Midland, TX 79701

46.78%

Chevron U.S.A.  
P.O. Box 2100  
Houston, TX 77252

46.78%

Jeff G. Slade  
P.O. Box 12  
Pratt, KS 67124

3.22%

Stratco Operating Co. Inc.  
P.O. Box 965  
Graham, TX 76450

3.22%

**Section 4: E/2 SE/4**

Magnum Hunter Production, Inc.  
c/o Cimarex Energy Company  
600 N. Marienfeld, Suite 600  
Midland, TX 79701

70.00%

Loro Corporation P.O. Box 10886 Midland, TX 79702	20.00%
Mika Petroleum, LLC 4925 Greenville Dallas, TX 75206	10.00%
Broughton Petroleum, Inc. 13 Townhouse Ct. Bellaire, TX 77401	3.22%
Stratco Operating Co. Inc. P.O. Box 965 Graham, TX 76450	3.22%

**Section 3: Lots 9-16, SW/4, SE/4**

Devon Energy Production Company, L.P. 333 W. Sheridan Avenue Oklahoma City OK 73102	90.05%
Energen Resources Corporation 605 Richard Arrington, Jr. Blvd. N Birmingham, Alabama 35203-2707	5.45%
Claremont Corporation P.O. Box 549 Claremore, OK 74017	.0375%
Davoil, Inc. P.O. Box 122269 Ft. Worth, TX 76121-2269	.2665%
Ard Energy Group 222 West 4 <sup>th</sup> , #4-5 Ft. Worth, TX 76102-4612	1.0004%

---

Great Western Drilling, Inc.	.4837%
P.O. Box 1659	
Midland, TX 79702	

Edward R. Hudson, Jr.	1.0004%
616 Texas Street	
Ft. Worth, Texas 76102-4612	

Zorro Partners, Ltd.	1.0004%
616 Texas Street	
Ft. Worth, TX 76102-4612	

J&L Resources, Inc.	.1808%
310 Morton Street, Suite 160	
Richmond, TX 77469	

Redfern Enterprises, Inc.	.3511%
P.O. Box 2127	
Midland, TX 79702-2127	

Sieb Resources, Inc.	.1808%
P.O. 1107	
Richmond, TX 77046	

## **Porter, Stephanie**

---

**From:** Gray, Ken  
**Sent:** Tuesday, December 18, 2012 3:47 PM  
**To:** Porter, Stephanie  
**Subject:** BFDU 44: Section 3-T21S-27E N/2 N/2 - Leasehold Notifications

Here are the missing addresses for notice:

Patterson Petroleum, LLC  
1004 N. Big Spring, Suite 523  
Midland, TX 79701

Paladin, Inc.  
P.O. Box 5062  
Scottsdale, AZ 85261

Thomas Family, L.P.  
P.O. Box 80123  
Phoenix, AZ 85060

Fred C. Corey  
2606 Terrace Avenue  
Midland, TX 79705

CMM Resources, LLC  
105 Windridge Circle  
Midland, TX 79705

Lynn S. Charuk  
2401 Stutz Place  
Midland, TX 79705

Mitchel E. Cheney  
7670 Woodway Dr., Suite 310  
Houston, TX 77063

Herbaly Exploration, LLC  
1450 W. canal St., Suite 150  
Littleton, CO 80120

Moon Royalty, LLC  
P.O. Box LLC  
Oklahoma City, OK 73101

McCully-Chapman Exploration, Inc.  
P.O. Box 421  
Sealy, TX 77474

Sonorin Holdings, LLC

P.O. Box 80174  
Phoenix, AZ 85060

---

CML Exploration, LLC  
P.O. Box 890  
Snyder, TX 79550



Section XIV--Proof of Notice to Surface Land Owner  
Devon Energy Prod Co LP  
C108 Application For Injection  
Proposed Well: Burton Flat Deep Unit 44

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 6931

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 Burton Flat Deep Unit 44.

Date Mailed: 05/12/2013

Signature: [Handwritten Signature]

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

Date: 05/12/2013

Section XIV--Proof of Notice to Leasehold Operators  
Devon Energy Prod Co LP  
C108 Application For Injection  
Proposed Well: Burton Flat Deep Unit 44

Proof of Notice to Leasehold Operators within 1/2 mile of Burton Flat Deep Unit #44

Sieb Resources, Inc. P.O. 1107 Richmond, TX 77046	Certified receipt No. 7008-1830-0002-7421-5927	Energren Resources Corporation 605 Richard Arrington, Jr. Blvd. N Birmingham, Alabama 35203-2707	Certified receipt No. 7006-2760-0003-6282-6203
Redfern Enterprises, Inc. P.O. Box 2127 Midland, TX 79702-2127	Certified receipt No. 7008-1830-0002-7421-5934	Stratco Operating Co. Inc. P.O. Box 965 Graham, TX 76450	Certified receipt No. 7006-2760-0003-6282-6210
J&L Resources, Inc. 310 Morton Street, Suite 160 Richmond, TX 77469	Certified receipt No. 7008-1830-0002-7421-5941	Jeff G. Slade P.O. Box 12 Pratt, KS 67124	Certified receipt No. 7006-2760-0003-6282-6227
Zorro Partners, Ltd. 616 Texas Street Ft. Worth, TX 76102-4612	Certified receipt No. 7008-1830-0002-7421-5958	Broughton Petroleum, Inc. 13 Townhouse Ct. Bellaire, TX 77401	Certified receipt No. 7006-2760-0003-6282-6234
Edward R. Hudson, Jr. 616 Texas Street Ft. Worth, Texas 76102-4612	Certified receipt No. 7008-1830-0002-7421-5965	Mika Petroleum, LLC 4925 Greenville Dallas, TX 75206	Certified receipt No. 7006-2760-0003-6282-6241
Great Western Drilling, Inc. P.O. Box 1659 Midland, TX 79702	Certified receipt No. 7008-1830-0002-7421-5972	Loro Corporation P.O. Box 10886 Midland, TX 79702	Certified receipt No. 7006-2760-0003-6282-6258
Ard Energy Group 222 West 4th, #4 - 5 Ft. Worth, Texas 76102-4612	Certified receipt No. 7008-1830-0002-7421-5989	Rubicon Oil & Gas II, L.P. 508 W. Wall, Suite 550 Ft. Worth, TX 79701	Certified receipt No. 7006-2760-0003-6282-6265
Davoil, Inc. P.O. Box 122269 Ft. Worth, TX 76121-2269	Certified receipt No. 7008-1830-0002-7421-5996	Magnum Hunter Production, Inc.. c/o Cimarex Energy Company 600 N. Marienfeld, Suite 600 Midland, Texas 79701	Certified receipt No. 7006-2760-0003-6282-6272
Claremont Corporation P.O. Box 549 Claremore, OK 74017	Certified receipt No. 7006-2760-0003-6282-6197	Chevron U.S.A. P.O. Box 2100 Houston, TX 77252	Certified receipt No. 7006-2760-0003-6282-6289

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 Burton Flat Deep #44.

Date Mailed:

Signature:

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

Date:

6/22/2013

Section XIV--Proof of Notice to Leasehold Operators - Addendum (N/2 N/2 of Section 3)  
Devon Energy Prod Co LP  
C108 Application For Injection  
Proposed Well: Burton Flat Deep Unit 44

Proof of Notice to Leasehold Operators within 1/2 mile of Burton Flat Deep Unit #44

Patterson Petroleum, LLC 1004 N. Big Spring, Suite 523 Midland, TX 79701	Certified receipt No. 7006-2760-0003-6282-6296
Paladin, Inc. P.O. Box 5062 Scottsdale, AZ 85261	Certified receipt No. 7006-2760-0003-6282-6302
Thomas Family, L.P. P.O. Box 80123 Phoenix, AZ 85060	Certified receipt No. 7006-2760-0003-6282-6319
Fred C. Corey 2606 Terrace Avenue Midland, TX 79705	Certified receipt No. 7006-2760-0003-6282-6326
CMM Resources, LLC 105 Windridge Circle Midland, TX 79705	Certified receipt No. 7006-2760-0003-6282-6333
Lynn S. Charuk 2401 Stutz Place Midland, TX 79705	Certified receipt No. 7006-2760-0003-6282-6340
Mitchel E. Cheney 7670 Woodway Dr., Suite 310 Houston, TX 77063	Certified receipt No. 7008-1830-0003-1986-6343
Herbaly Exploration, LLC 1450 W. canal St., Suite 150 Littleton, CO 80120	Certified receipt No. 7008-1830-0003-1986-6350
Moon Royalty, LLC P.O. Box LLC Oklahoma City, OK 73101	Certified receipt No. 7006-2760-0003-6282-6357
McCully-Chapman Exploration, Inc. P.O. Box 421 Sealy, TX 77474	Certified receipt No. 7006-2760-0003-6282-6364
Sonorin Holdings, LLC P.O. Box 80174 Phoenix, AZ 85060	Certified receipt No. 7008 1830 0003 1986 6367
CML Exploration, LLC P.O. Box 890 Snyder, TX 79550	Certified receipt No. 7006-2760-0003-6282-6371

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 Burton Flat Deep #44.

Date Mailed:

6/5/2013  
[Signature]

Date:

6/5/2013

Signature:

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

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144 CLEZ  
July 21, 2008

For closed-loop systems that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit to the appropriate NMOCD District Office.

**Closed-Loop System Permit or Closure Plan Application**

*(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)*

Type of action: ☒ Permit ☐ Closure

**Instructions:** Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1. Operator: Devon Energy Production Co., LP OGRID #: 6137  
Address: 333 West Sheridan, OKC, OK 73102-8260  
Facility or well name: Burton Flat Deep Unit 44  
API Number: 30-015-32274 OCD Permit Number: 213725  
U/L or Qtr/Qtr Lot 14 Section 3 Township 21S Range 27E County: Eddy County, NM  
Center of Proposed Design: Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: ☐ 1927 ☐ 1983  
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2. ☒ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC

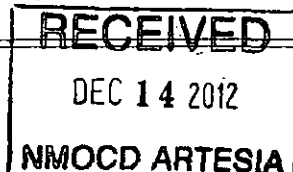
Operation: ☐ Drilling a new well ☒ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) ☐ P&A

☒ Above Ground Steel Tanks or ☒ Haul-off Bins

3. **Signs:** Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19.15.3.103 NMAC



4. **Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC

**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC

☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC

☒ Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_

☐ Previously Approved Operating and Maintenance Plan API Number: \_\_\_\_\_

5. **Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:** (19.15.17.13.D NMAC)

**Instructions:** Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: CRI Disposal Facility Permit Number: R9166

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?

☒ Yes (If yes, please provide the information below) ☐ No

**Required for impacted areas which will not be used for future service and operations:**

☒ Soil Backfill and Cover Design Specifications -- based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

6. **Operator Application Certification:**

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Stephanie A. Porter Title: Operations Technician

Signature: [Signature] Date: 12/12/2012

e-mail address: Stephanie.Porter@dvn.com Telephone: (405)-552-7802

7. **OCD Approval:** ☒ Permit Application (including closure plan) ☐ Closure Plan (only)

OCD Representative Signature: SPDade

Approval Date: 12/18/2012

Title: DIST II Supervisor

OCD Permit Number: 213725

8. **Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC

*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.*

☐ Closure Completion Date: \_\_\_\_\_

9. **Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**

*Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.*

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

*Required for impacted areas which will not be used for future service and operations:*

☐ Site Reclamation (Photo Documentation)

☐ Soil Backfilling and Cover Installation

☐ Re-vegetation Application Rates and Seeding Technique

10. **Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

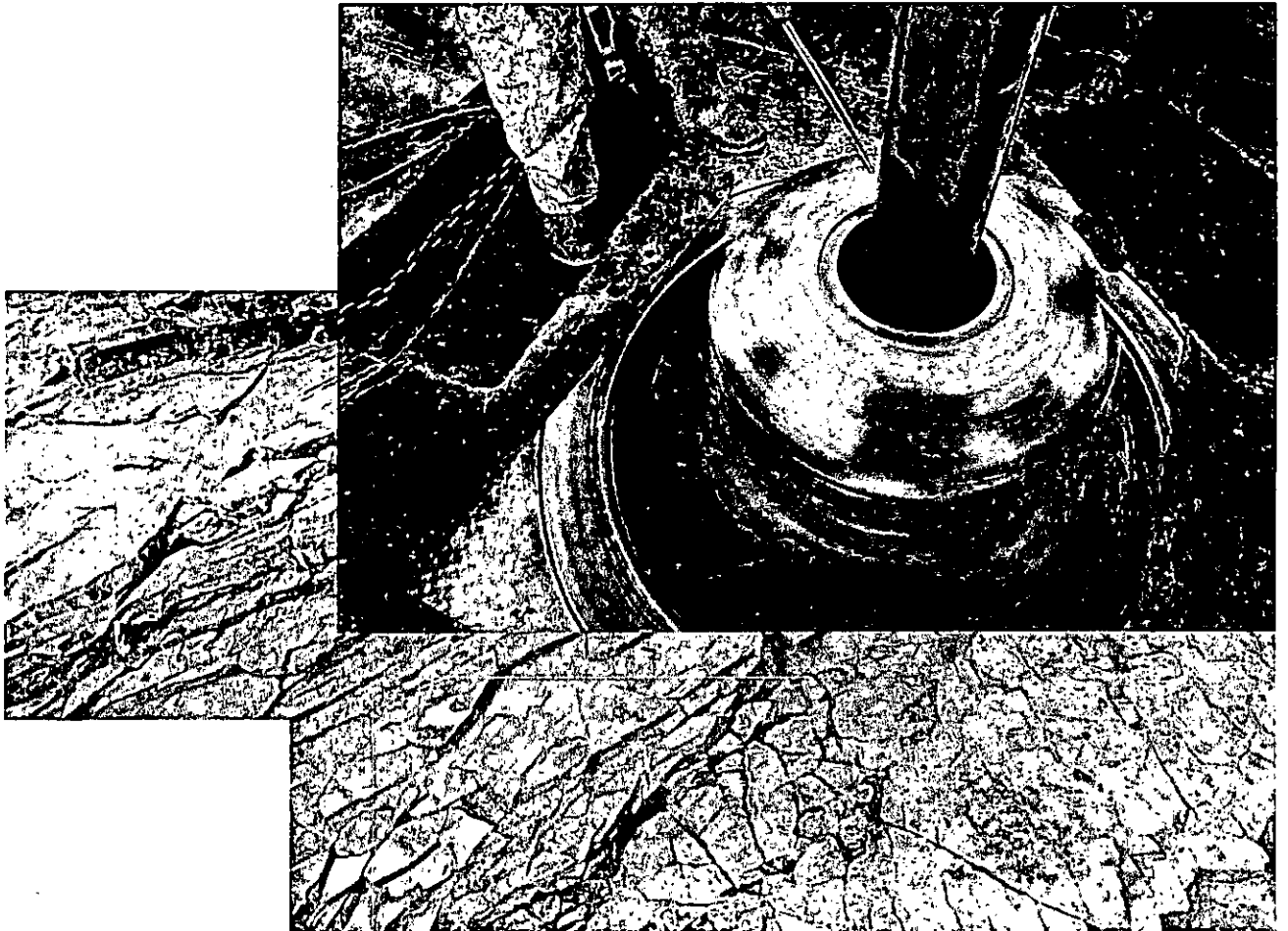
Name (Print): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

e-mail address: \_\_\_\_\_ Telephone: \_\_\_\_\_



Commitment Runs Deep



Design Plan  
Operation & Maintenance Plan  
Closure Plan  
Workover Operations

SENM  
July 2008

## **I. Design Plan**

Above ground steel tanks will be used for the management of all workover fluids.

## **II. Operations and Maintenance Plan**

Devon will operate and maintain all of the above ground steel tanks involved in workover operations in a prudent manner to prevent any spills. If a leak develops, the appropriate division district office will be notified within 48 hours of the discovery and the leak will be addressed. During an upset condition the source of the spill is isolated and addressed as soon as it is discovered. Free liquids will be removed and loose topsoil will be used to stabilize the spill. The contaminated soil will be either bio-remediated or excavated and taken to an agency approved disposal facility.

## **III. Closure Plan**

All workover fluids will go to above ground steel tanks and will be hauled by various trucking companies to an agency approved disposal facility.

Impacted areas which will not be used for future service or operations will be reclaimed and reseeded as stated in the APD.



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

405 235 3611 Phone  
www.devonenergy.com

May 22nd, 2013

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

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API# 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E; 3555' FSL & 1660' FWL

Dear Sir or Madam:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal. Produced waters will be injected into the Devonian from 12306' to 12600'.

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,

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

May 22nd, 2013

Ard Energy Group  
222 West 4<sup>th</sup>, #4-5  
Fort Worth, Texas 76102-4612

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Ard Energy Group:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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", with a stylized flourish 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

May 22nd, 2013

Broughton Petroleum, Inc.  
13 Townhouse Ct.  
Bellaire, Texas 77401

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Broughton Petroleum, 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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", followed by a diagonal 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](http://www.devonenergy.com)

May 22nd, 2013

Chevron U.S.A.  
P.O. Box 2100  
Houston, Texas 77252

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Chevron U.S.A.:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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. Porter", with a stylized flourish 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

May 22nd, 2013

Claremont Corporation  
P.O. Box 549  
Claremore, Oklahoma 74017

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Claremont 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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. Porter", written in a cursive style.

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](http://www.devonenergy.com)

May 22nd, 2013

CML Exploration, LLC  
P.O. Box 890  
Snyder, Texas 79550

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear CML Exploration, LLC:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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.", with a long horizontal stroke extending to the right.

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](http://www.devonenergy.com)

May 22nd, 2013

CMM Resources, LLC  
105 Windridge Circle  
Midland, Texas 79705

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear CMM Resources, LLC:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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", with a long horizontal stroke extending to the right.

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](http://www.devonenergy.com)

May 22nd, 2013

Davoil, Inc.  
P.O. Box 122269  
Fort Worth, Texas 76121-2269

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Davoil, 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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".

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

May 22nd, 2013

Edward R. Hudson, Jr.  
616 Texas Street  
Ft. Worth, Texas 76102-4612

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Edward R. Hudson, 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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. Porter", with a long, sweeping horizontal line extending to the right.

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](http://www.devonenergy.com)

May 22nd, 2013

Energen Resources Corporation  
605 Richard Arrington, Jr. Blvd. N  
Birmingham, Alabama 35203-2707

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Energen Resources 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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.", followed by a long, sweeping 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](http://www.devonenergy.com)

May 22nd, 2013

Fred C. Corey  
2606 Terrace Avenue  
Midland, Texas 79705

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Fred C. Corey:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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.", with a long, sweeping horizontal line extending to the right.

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](http://www.devonenergy.com)

May 22nd, 2013

Great Western Drilling, Inc.  
P.O. Box 1659  
Midland, Texas 79702

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Great Western Drilling, 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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.", with a long, sweeping horizontal line extending to the right.

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

May 22nd, 2013

Herbaly Exploration, LLC  
1450 W. Canal St., Suite 150  
Littleton, Colorado 80120

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Herbaly Exploration, LLC:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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", with a stylized flourish 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

May 22nd, 2013

J&L Resources, Inc.  
310 Morton Street, Suite 160  
Richmond, Texas 77469

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear J&L Resources, 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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 with large, sweeping loops.

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

May 22nd, 2013

Jeff G. Slade  
P.O. Box 12  
Pratt, Kansas 67124

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Jeff G. Slade.:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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.", with a long, sweeping horizontal stroke extending to the right.

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](http://www.devonenergy.com)

May 22nd, 2013

Loro Corporation  
P.O. Box 10886  
Midland, Texas 79702

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Loro 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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 with a large initial "S" and 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

May 22nd, 2013

Lynn S. Charuk  
2401 Stutz Place  
Midland, Texas 79705

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Lynn S. Charuk:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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".

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

May 22nd, 2013

Magnum Hunter Productions, Inc.  
c/o Cimarex Energy Company  
600 N. Marienfeld, Suite 600  
Midland, Texas 79701

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Magnum Hunter Productions, 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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", with a long horizontal stroke extending to the right.

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

May 22nd, 2013

McCully-Chapman Exploration, Inc.  
P.O. Box 421  
Sealy, Texas 77474

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear McCully-Chapman Exploration, 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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".

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

May 22nd, 2013

Mika Petroleum, LLC  
4925 Greenville  
Dallas, Texas 75206

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Mika Petroleum, LLC:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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 "SAP", followed by a long horizontal stroke.

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

May 22nd, 2013

Mitchel E. Cheney  
7670 Woodway Dr., Suite 310  
Houston, Texas 77063

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Mitchel E. Cheney:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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 "SP/SP", written over a 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

May 22nd, 2013

Moon Royalty, LLC  
P.O. Box LLC  
Oklahoma City, OK 73101

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Moon Royalty:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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".

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

May 22nd, 2013

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

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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,

A handwritten signature in black ink, appearing to read "S. Porter", with a stylized flourish 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

May 22nd, 2013

Paladin, Inc.  
P.O. Box 5062  
Scottsdale, Arizona 85261

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Paladin, 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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 "SAP", followed by a long horizontal stroke.

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

May 22nd, 2013

Patterson Petroleum, LLC  
1004 N. Big Spring, Suite 523  
Midland, Texas 79701

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Patterson Petroleum, LLC:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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", with a long horizontal stroke extending to the right.

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

May 22nd, 2013

Redfern Enterprises, Inc.  
P.O. Box 2127  
Midland, Texas 79702-2127

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Redfern Enterprises, 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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 with a large, looped "S" and a long, sweeping 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

May 22nd, 2013

Rubicon Oil & Gas II, LP  
508 W. Wall, Suite 550  
Ft. Worth, Texas 79701

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Rubicon Oil & Gas II, LP:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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", with a large, stylized flourish 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

May 22nd, 2013

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

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 at (405)-552-5069 or myself at (405)-552-7802.

Sincerely,

A handwritten signature in black ink, appearing to read "S.A. Porter", with a stylized flourish 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

May 22nd, 2013

Sieb Resources, Inc.  
P.O. Box 1107  
Richmond, Texas 77046

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Sieb Resources, 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 Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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 with a large, looped "S" and a long, sweeping 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

May 22nd, 2013

Sonorin Holdings, LLC  
P.O. Box 80174  
Phoenix, Arizona 85060

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Sonorin Holdings, LLC:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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 with a large initial "S" and "P".

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

May 22nd, 2013

Stratco Operating Co. Inc.  
P.O. Box 965  
Graham, Texas 76450

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Stratco Operating Co. 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 Burton Flat Deep Unit #44 to salt water disposal in the \_\_\_\_\_ Devonian 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 Burton Flat Deep Unit #44 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

May 22nd, 2013

Thomas Family, L.P.  
P.O. Box 80123  
Phoenix, Arizona 85060

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Thomas Family, L.P.:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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 with large, sweeping loops and 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

May 22nd, 2013

Zorro Partners, Ltd.  
616 Texas Street  
Ft. Worth, Texas 76102-4612

RE: Form C-108, Application for Authorization to Inject  
Burton Flat Deep Unit #44; API # 30-015-32274  
Eddy County, NM  
Section 3, T21S, R27E

Dear Zorro Partner, Ltd.:

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

Devon's application proposes to convert the Burton Flat Deep Unit #44 to salt water disposal in the Devonian 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 Burton Flat Deep Unit #44 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



## Goetze, Phillip, EMNRD

---

**From:** Porter, Stephanie <Stephanie.Porter@dvn.com>  
**Sent:** Tuesday, June 25, 2013 7:27 AM  
**To:** Ezeanyim, Richard, EMNRD; Goetze, Phillip, EMNRD  
**Subject:** Burton Flat Deep Unit 44 (30-015-3274): Signed Compensatory Regulatory Agreement & Daily Drilling Reports (Fed-Ex Next Day)

FYI. When we get the Compensatory Regulatory Agreement back from the BLM signed and executed, I will provide a copy to the NMOCD for your files. ☺

### *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](mailto:Stephanie.Porter@dvn.com)

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

---

**From:** Porter, Stephanie  
**Sent:** Monday, June 24, 2013 3:29 PM  
**To:** 'wesley\_ingram@blm.gov' ([wesley\\_ingram@blm.gov](mailto:wesley_ingram@blm.gov))  
**Subject:** Burton Flat Deep Unit 44: Signed Compensatory Regulatory Agreement & Daily Drilling Reports (Fed-Ex Next Day)

Wesley,

I have a Fed-Ex coming "next day" enclosing the following: 1.) Economic summary of remaining recoverable reserves for the Burton Flat Deep Unit #44 2.) Letter from Ken Gray, that was previously submitted to the BLM dated June 11<sup>th</sup>, 2013 summarizing the correspondence between Devon Energy Production Co., L.P. and the U.S. Department of the Interior Bureau of Land Management and 3.) Signed Compensatory Regulatory Agreement.

If the CRA is acceptable, and if Devon has satisfied all the BLM operational and regulatory requirements with regard to the proposed recompletion, please forward a copy of the executed copy of the CRA to my attention at your earliest convenience. Upon receipt of the copy of the executed CRA, Devon will forward a company check in the amount of \$15,038.00. Enclosed is a Fed-Ex to return the executed copy at no cost to the BLM.

Erin just resubmitted the subsequent report "Other – Bradenhead Squeeze for Proposed SWD Conversion" with the dates included in the body of the sundry. Also, per your request, the daily drilling reports will also be enclosed for your review.

Please let me know if on the remaining sundries, if you need anything else. ☺

### *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](mailto:Stephanie.Porter@dvn.com)

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

Injection Permit Checklist: Received 05/29/13 First Email Date: \_\_\_\_\_ Final Reply Date: \_\_\_\_\_ Suspended?: \_\_\_\_\_Issued Permit: Type: WFX / PMX SWD Number: 1427 Permit Date: 07/05/13 Legacy Permits or Orders: NoneWell No. #44 Well Name(s): Burton Flat Deep UnitAPI: 30-0 15-32274 Spud Date: 06/01/2002 New/Old: N (UIC CI II Primacy March 7, 1982)Footages 3555 FSL / 1660 FWL Lot 14 Unit \_\_\_\_\_ Sec 3 Tsp 21S Rge 27E County EddyGeneral Location: NE of Carlshad Pool: Morrow / SWD: Devonian Pool No.: 96101Operator: Devon Energy Prod. Comp. LP OGRID: 6137 Contact: Stephanie PorterCOMPLIANCE RULE 5.9: Inactive Wells: 1783 Total Wells: 1782 Fincl Assur: Yes Compl. Order? No IS 5.9 OK? YesWell File Reviewed: ✓ Current Status: TA: rehab in progress to convert from Morrow to SWDPlanned Rehab Work to Well: BLM input through reg's squeeze off Morrow perfs / new perfs deeperWell Diagrams: Proposed \_\_\_\_\_ Before Conversion ✓ After Conversion ✓ Are Elogs in Imaging?: CBL submitted with C-109

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned _____ or Existing _____ Cond	—	—	—	—	—
Planned _____ or Existing _____ Surface	<u>17 1/2 / 13 3/8</u>	<u>0 to 620</u>	—	<u>500</u>	<u>Cir. to surf.</u>
Planned _____ or Existing _____ Interm	<u>12 1/4 / 9 5/8</u>	<u>0 to 2810</u>	—	<u>1205</u>	<u>Cir to surf</u>
Planned _____ or Existing _____ LongSt	<u>8 3/4 / 7</u>	<u>0 to 12600</u>	—	<u>640</u>	<u>CBL 9.50 TOC</u>
Planned _____ or Existing _____ Liner	—	—	—	—	<u>+ 0 to 2990 CBL</u>
Planned <u>✓</u> or Existing <u>OH / PERFS</u>	<u>8 3/4 / 7</u>	<u>12306 to 12600</u>	—	—	—

Injection Strat Column:	Depths (ft)	Formation	Tops?	Completion/Ops Details:
Above Top of Inject Formation	<u>+ 526</u>	<u>Mississippian</u>	<u>11982</u>	Drilled TD <u>12,600</u> PBDT <u>12515*</u>
Above Top of Inject Formation	<u>+ 58</u>	<u>Woodford sh</u>	<u>12250</u>	Open Hole _____ or <u>Perfs X</u>
Proposed Interval TOP:	<u>12306</u>	<u>Devonian</u>	<u>12308</u>	Tubing Size <u>3 1/2"</u> Inter Coated? <u>Y</u>
Proposed Interval BOTTOM:	<u>12600</u>	<u>Devonian</u>	<u>?</u>	Proposed Packer Depth <u>12,267</u>
Below Bottom of Inject Formation	<u>No Info</u>	—	—	Min Packer Depth <u>12206</u> (100-ft limit)
Below Bottom of Inject Formation	—	—	—	Proposed Max. Surface Press <u>2460</u>
	—	—	—	Calc. Injt Press <u>2461</u> (0.2 psi per ft)
	—	—	—	Calc. FPP _____ (0.65 psi per ft)

## AOR: Hydrologic and Geologic Information

POTASH: R-111-P N Noticed? N BLM Sec Ord N WIPP N Noticed? N SALADO: T: \_\_\_\_\_ B: \_\_\_\_\_ CLIFF HOUSE NAFresh Water: Max Depth: 300' FW Formation Alluvial Wells? 0 Analysis? N Hydrologic Affirm Statement YesDisposal Fluid: Formation Source(s) 2000 with Capital local wells - Delaware On Lease \_\_\_\_\_ Only from Operator X Commercial \_\_\_\_\_Injection Rate: 5000 BWPD to 2000 BWPD Disposal Interval: BS production No CAPITAN REEF: in Y (thru Y) adjacent \_\_\_\_\_H/C Potential: Producing Interval? Shal Devonian Formerly Producing? No Method: E Log / Mudlog/DST/Depleted/Other \_\_\_\_\_AOR Wells: 1/2-M Radius Map? Yes Well List? Yes Total No. Wells Penetrating Interval: 21 Burton Flat #6Penetrating Wells: No. Active Wells 0 Num Repairs? 0 on which well(s)? \_\_\_\_\_ only 5500 TDPenetrating Wells: No. P&A Wells 1 Num Repairs? 0 on which well(s)? \_\_\_\_\_ Diagrams?NOTICE: Newspaper Date 04/23/2013 Mineral Owner BLM Surface Owner BLM N. Date 05/22/2013RULE 26.7(A): Identified Tracts? ✓ Affected Persons: 27 Parties Listed w/copies of letters N. Date 05/22/2013Permit Conditions: None identified - BLM protested / Devon resolved

Issues: \_\_\_\_\_