DATE IN 1/14/13	SUSPENSE	ENGINEER GWOJJ	LOGGED IN	TYPE SWD 1403	APP NO. pMRJ1326439844

Final Order Date 3/4/13

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

DEVON
Burton Flat Deep UNIT SWD #1
N/2/21S/27E

[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

No WIPP
No Potash

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

Yes, Roof 12155-14500' (O.H.)

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

(DEV/SLO/ORD)

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Stephanie A. Porter		Operations Technician	01/13/2013
Print or Type Name	Signature	Title	Date

Stephanie.Porter@dvn.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

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: _____DATE: 6/13/2013

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: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

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.

Side 1

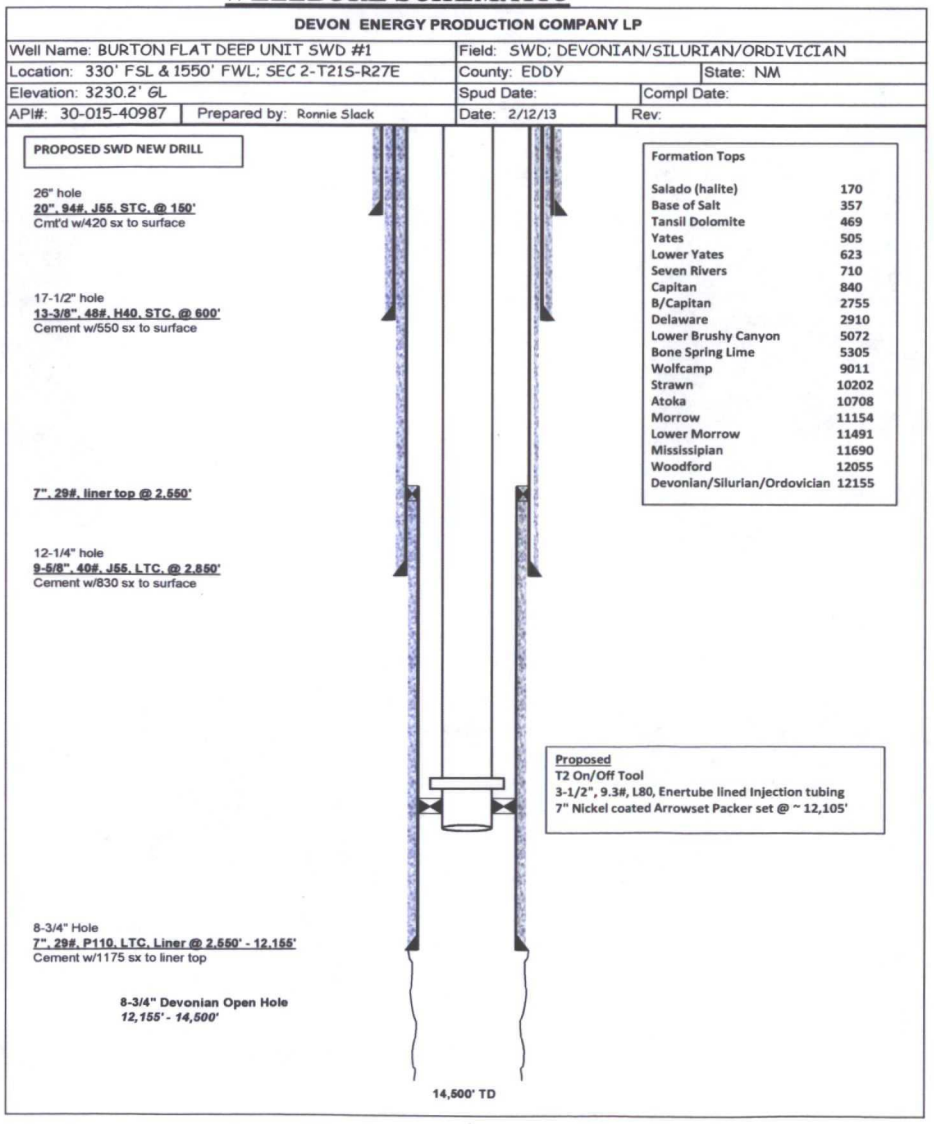
INJECTION WELL DATA SHEET

OPERATOR: Devon Energy Production Company, LP

WELL NAME & NUMBER: BURTON FLAT DEEP UNIT SWD #1

WELL LOCATION: 330' FSL & 1550' FWL (FOOTAGE LOCATION) N (UNIT LETTER) Sec 2 (SECTION) T21S (TOWNSHIP) R27E (RANGE)

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 26" Casing Size: 20",94# @ 150'

Cemented with: 420 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circ. cement

Intermediate Casing

Hole Size: 17-1/2" Casing Size: 13-3/8", 48#, @ 600'

Cemented with: 550 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circ. cement

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8", 40#, @ 2850'

Cemented with: 830 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circ. Cmt

Production Casing

Hole Size: 8-3/4" Casing Size: 7"liner, 29#, @ 12155'

Cemented with: 1175 sx. *or* _____ ft³

Top of Cement: TOL @ 2550' Method Determined: Calc TOC

Total Depth: 14500'

Injection Interval (Open Hole)

12155' to 14500'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 3-1/2" Lining Material: ___IPC_____

Type of Packer: ___7" Nickel Coated Arrowset Packer_____

Packer Setting Depth: +/- 12105'_____

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

Additional Data

1. Is this a new well drilled for injection? Yes

   If no, for what purpose was the well originally drilled? _____

   _____

2. Name of the Injection Formation: ____Devonian/Silurian/Ordovician___

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

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

   n/a

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

   Rustler Surface (Fresh Water); Salado (halite) 170 (Barren); Base of Salt (change to anhy) 357 (Barren); Tansil Dolomite 469 (Barren); Yates 505 (Barren); Lower Yates 623 (Barren); Seven Rivers 710 (Barren); Capitan 840 (Barren); B/Capitan Bottom 2755 (Barren); Delaware 2910 (Barren); Lower Brushy Canyon 5072 (Barren); Bone Spring Lime 5305 (Oil); Wolfcamp 9011 (Gas); Strawn 10202 (Gas); Atoka 10708 (Gas); Morrow 11154 (Gas); Lower Morrow 11491 (Gas); Mississipian 11690 (Barren); Woodford 12055 (Barren), Devonian/Silurian/Ordivician 12155 (Barren)

Proposed Injection Well: Burton Flat Deep Unit SWD #1
API: 30-015-40987
APPLICATION FOR INJECTION
Form C-108 Section III

III. Well Data--On Injection Well

A. Injection Well Information

(1)	**Lease**	Burton Flat Deep Unit SWD
	Well No	#1
	Location	330' FSL & 1550' FWL
	Sec,Twn,Rnge	Sec 2-T21S-R27E
	Cnty, State	Eddy County, NM
(2)	**Casing**	20", 94#, J55, STC, @ 150' Cmt'd w/420 sx, circ cmt to surf 13-3/8", 48#, H-40, STC, @ 600' Cmt'd w/550 sx, circ cmt to surf 9-5/8", 40#, J55, LTC, @ 2,850' Cmt'd w/830, circ cmt to surf 7", 29#, P110, @ 12155' Cmt w/1175 sx, TOL @ 2550'
(3)	**Injection Tubing**	3 -1/2" IPC injection tubing
(4)	**Packer**	7" Nickel Coated Arrowset Packer @ +/- 12105'

B. Other Well Information

(1)	**Injection Formation:**	Devonian/Silurian/Ordovician
	Field Name:	(to be assigned)
(2)	**Injection Interval:**	12155 - 14500'

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

Drill and convert to SWD

(4) **Other perforated intervals:**

n/a

(5) **Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well if any.**

Rustler Surface (Fresh Water); Salado (halite) 170 (Barren); Base of Salt (change to anhy) 357 (Barren); Tansil Dolomite 469 (Barren); Yates 505 (Barren); Lower Yates 623 (Barren); Seven Rivers 710 (Barren); Capitan 840 (Barren); B/Capitan Bottom 2755 (Barren); Delaware 2910 (Barren); Lower Brushy Canyon 5072 (Barren); Bone Spring Lime 5305 (Oil); Wolfcamp 9011 (Gas); Strawn 10202 (Gas); Atoka 10708 (Gas); Morrow 11154 (Gas); Lower Morrow 11491 (Gas); Mississipian 11690 (Barren); Woodford 12055 (Barren), Devonian/Silurian/Ordivician 12155 (Barren)

Proposed Injection Well: Burton Flat Deep Unit SWD #1
API: 30-015-40987
APPLICATION FOR INJECTION
Form C-108 Section VII to XIII

VII Attach data on the proposed operation, including:

(1) Proposed average injection rate: 5000 BWPD
Proposed maximum injection rate: 10000 BWPD

(2) The system will be a closed system.

(3) Proposed average injection pressure: 1215 psi
Proposed max injection pressure: 2431 psi

(4) The injection fluid will be produced water from area wells producing from the ~~Devonian/Silurian/Ordovician formation that will be injected into the Cherry Canyon formation.~~

(5) A representative water analysis is submitted for the Delaware & Bone Spring formation(s).

VIII Geologic Injection Zone Data

The injection zone is the Devonian/Silurian/Ordivician formation from 12155' to 14500'. The gross injection interval is 2345' thick. The Devonian/Silurian/Ordivician formation is a Permian aged sandstone. The average depth to fresh water is 20' in this area.

IX Proposed Stimulation

Based on injectivity results this interval could be acid stimulated.

X Log Data

Logs will be submitted to the OCD.

XI Fresh Water Analysis

Fresh water wells were identified in the vicinity of the Burton Flat Deep Unit #1 well, representative anlalysis' have been provided.

XII Geologic / Engineering Statement

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

See geologic write up and support for Devonian/Silurian/Ordivician

XIII Proof of Notice

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

Geological comments for the Burton Flat Deep Unit SWD #1 application for conversion to saltwater disposal.

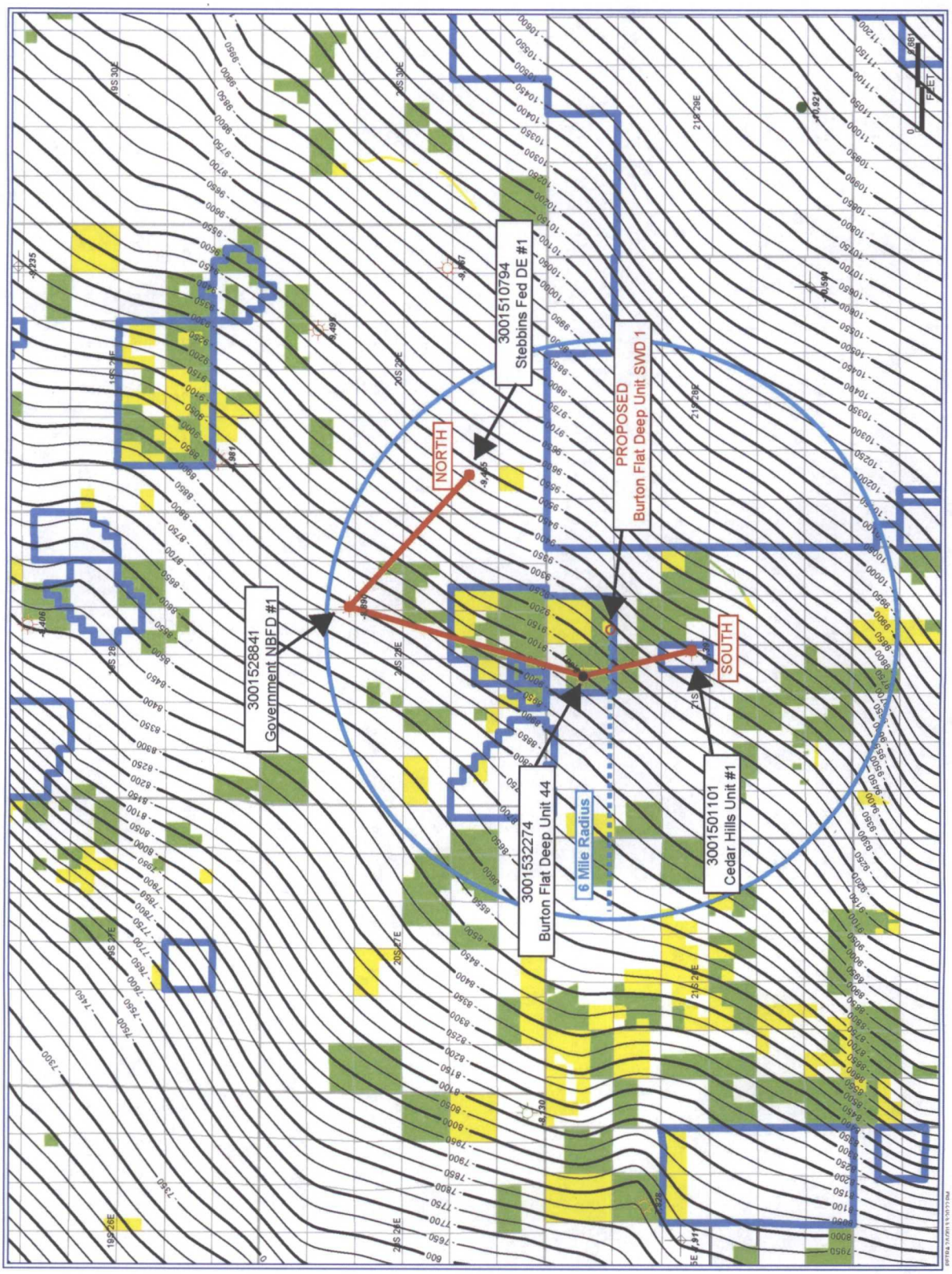
Name of the Injection Formation: **Devonian/Silurian/Ordovician**
Field or Pool Name (if known):
Injection Interval: **12,155'-14,500' open hole**
Depth to Fresh Water's Stratagraphic Unit Name: **Rustler**
Depth to Ground Water: **50' (CP 00920; NESENW 33-20S/28E)**
Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well: Next Higher – **Morrow (11,154'); Next Lower – N/A**
Potential Productivity of the target disposal interval: **See Comments Below**
Disposal water will be sourced from area wells from the **Bone Spring and/or Delaware** formation(s).

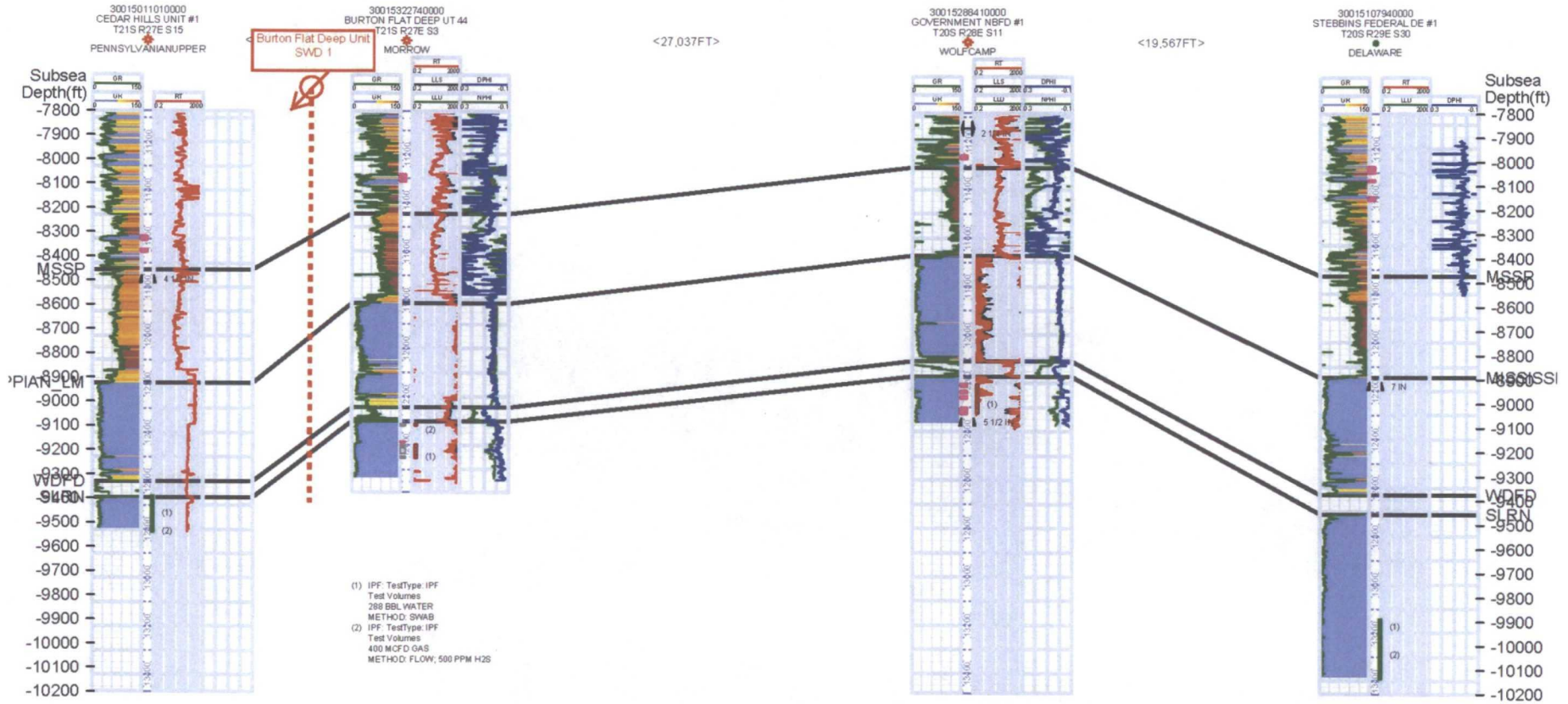
Burton Flat Deep Unit SWD #1 (SWSESW 2-21S-27E; PTD 14500')

The proposed interval for disposal per the Burton Flat Deep Unit SWD #1 SWD APD is the Devonian/Silurian/Ordovician from 12,155' to 14,500'. A review of the wells surrounding the drill site shows that the closest Devonian/Silurian/Ordovician penetrations are the Government NBFD #1 in 11-T20S-28E (5.57 miles North), Burton Flat Deep Unit #44 in 3-T21S-R27E (1.15 miles WNW), Stebbins Deep Federal #1 in 30-T20S-R29E (4.41 miles NE), and Cedar Hills Unit #1 in 15-T21S-R27E (1.73 miles SSW). These wells are shown on the subsequent map and cross-section along with the proposed Burton Flat Deep Unit SWD #1. These wells all tested the Devonian/Silurian/Ordovician in some capacity. None of the DST, IPF or PTS tests produced hydrocarbons in quantities that warranted further testing and/or completion. Below are the test results for the four (4) offset wells in the cross-section.

1. Burton Flat Deep Unit #44 (API# 3001532274)
    a. Closest test to the proposed BFDU SWD #1, is 1.15 miles and ~200 FT updip
    b. Two (2) IPFs were performed in the Devonian/Silurian
        i. IPF #1 from 12,407-12,459 FT Swabbed 288 BW
        ii. IPF#2 from 12,317-12325 FT Flowed 400 mcfd with 500 ppm H_2S
2. Cedar Hills Unit #1 (API# 3001501101)
    a. Well is 1.73 miles from proposed BFDU SWD #1 and ~100 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)
3. Stebbins Federal DE #1 (API# 3001510794)
    a. Well is 4.41 miles from proposed BFDU SWD #1 and ~200 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
4. Government NBFD #1 (API# 3001528841)
    a. Well is 5.57 miles from proposed BFDU SWD #1 and ~400 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

REGIONAL TOP DEVONIAN/SILURIAN STRUCTURE MAP
from WELL TOPS
(C.I. = 50 ft)





(1) IPF: TestType: IPF
Test Volumes
288 BBL WATER
METHOD: SWAB
(2) IPF: TestType: IPF
Test Volumes
400 MCFD GAS
METHOD: FLOW; 500 PPM H2S

(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 SWBD 49 BW
IN 4 HRS 30 MINS

(1) DST: 13141-13157
09/08/1966
IFP: 87
FFP: 133
ISP: 5729
DST Recoveries
95 FT M
115 FT SOCW
(2) DST: 13144-13391
09/08/1966
IFP: 5810
FFP: 5833
ISP: 5833
FSP: 5844
DST Recoveries
3000 FT MCW
9761 FT XW

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BURTON FLAT DEEP UNIT SWD #1		Field: SWD; DEVONIAN/SILURIAN/ORDIVICIAN	
Location: 330' FSL & 1550' FWL; SEC 2-T21S-R27E		County: EDDY	State: NM
Elevation: 3230.2' GL		Spud Date:	Compl Date:
API#: 30-015-40987	Prepared by: Ronnie Slack	Date: 2/12/13	Rev:

PROPOSED SWD NEW DRILL

26" hole
20", 94#, J55, STC, @ 150'
Cmt'd w/420 sx to surface

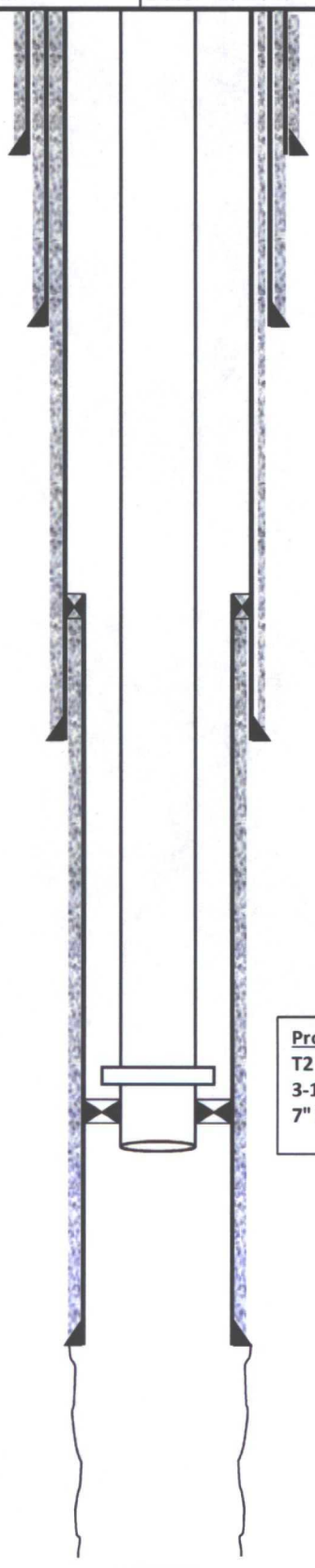
17-1/2" hole
13-3/8", 48#, H40, STC, @ 600'
Cement w/550 sx to surface

7", 29#, liner top @ 2,550'

12-1/4" hole
9-5/8", 40#, J55, LTC, @ 2,850'
Cement w/830 sx to surface

8-3/4" Hole
7", 29#, P110, LTC, Liner @ 2,550' - 12,155'
Cement w/1175 sx to liner top

8-3/4" Devonian Open Hole
12,155' - 14,500'

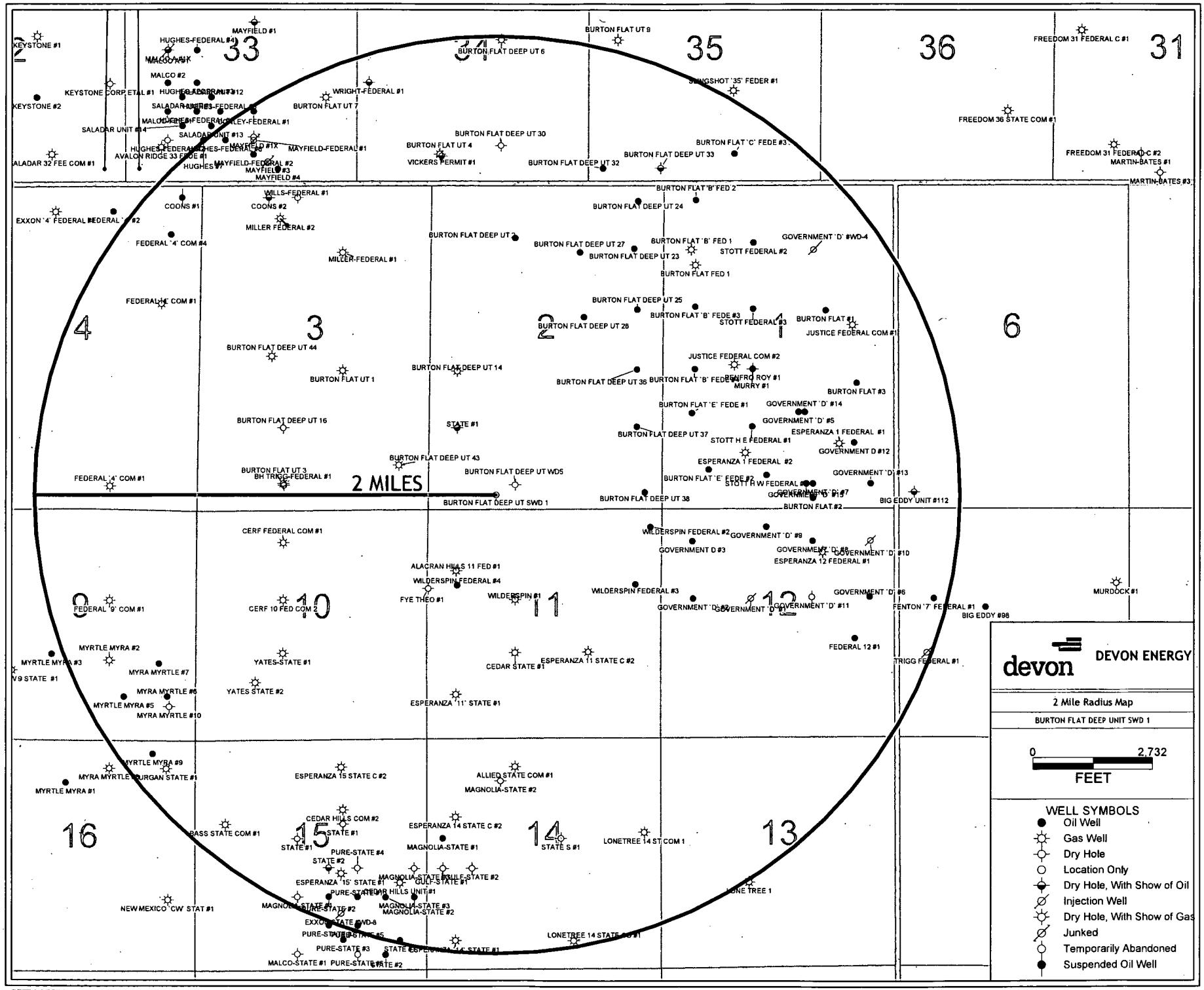


14,500' TD

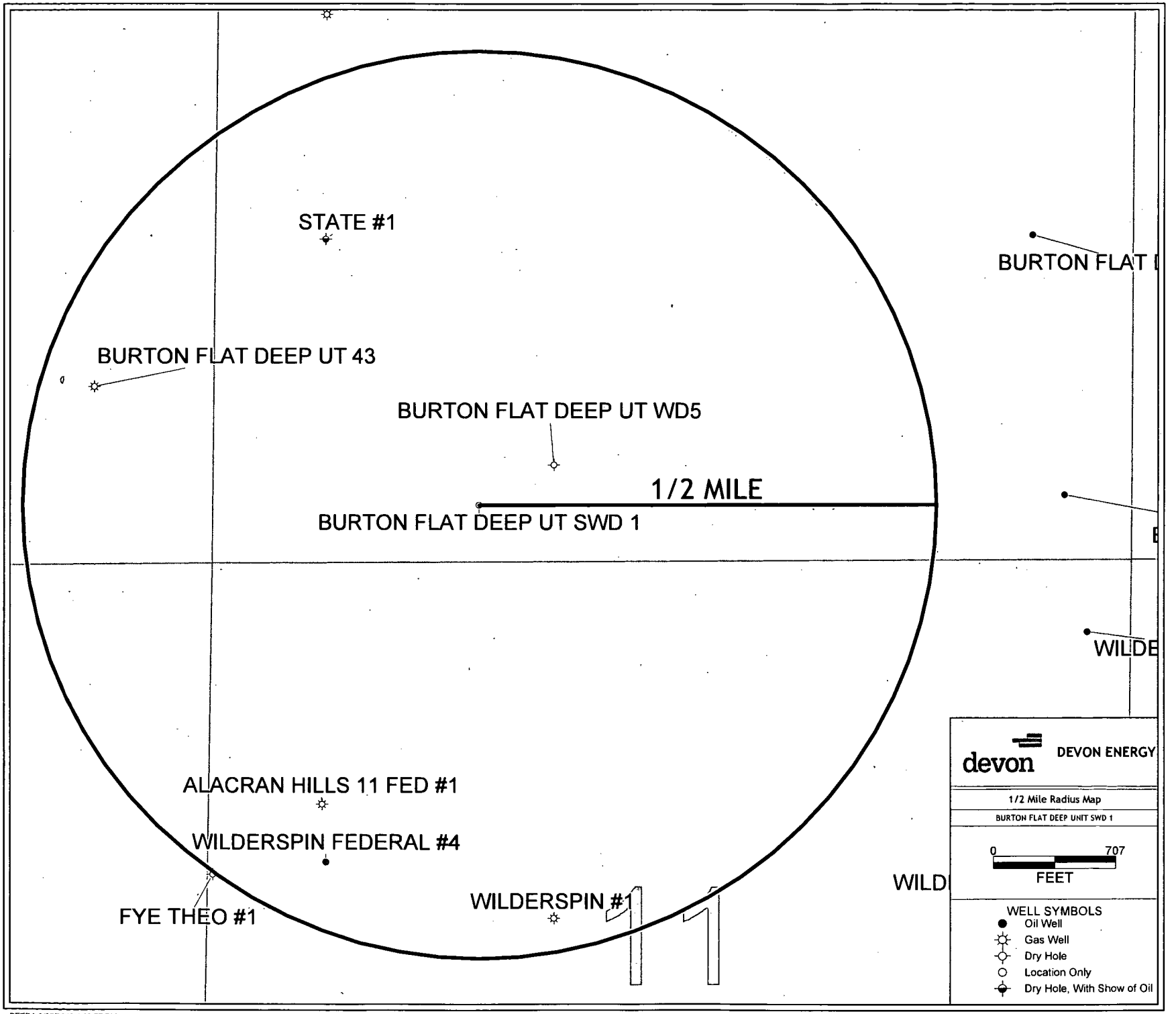
Formation Tops

Salado (halite)	170
Base of Salt	357
Tansil Dolomite	469
Yates	505
Lower Yates	623
Seven Rivers	710
Capitan	840
B/Capitan	2755
Delaware	2910
Lower Brushy Canyon	5072
Bone Spring Lime	5305
Wolfcamp	9011
Strawn	10202
Atoka	10708
Morrow	11154
Lower Morrow	11491
Mississipian	11690
Woodford	12055
Devonian/Silurian/Ordovician	12155

Proposed
T2 On/Off Tool
3-1/2", 9.3#, L80, Enertube lined Injection tubing
7" Nickel coated Arrowset Packer set @ ~ 12,105'



PETRA 9/25/2012 4:34:28 PM



PETRA 9/25/2012 4:23:57 PM

C108 ITEM VI--Well Tabulation in 1/2 Mile Review Area
Devon Energy Production Company, LP
Proposed Inj Well: BFDU SWD 1
Proposed Formation: Devonian/Silurian/Ordovician
Proposed Interval: 12155' - 14500'

Operator	Well Name	API NO	County	Surf Location	Sec	Twn	Rnge	Type	Status	Spud Date	Comp Date	TD	PBTD	Comp Zone	Comp Interval-Ft	Casing Program	Cement / TOC
Devon Energy Prod Co LP	Burton Flat Deep Unit SWD 1	30-015-40987	Eddy	330' FSL 1550' FWL	2	21S	27E	Inj	To Be Drilled	To Be Drilled	To Be Drilled	14500	14500	Delaware	12155 - 14500'	20", 94# @ 150' 13-3/8", 48#, @ 600' 9-5/8", 40#, @ 2850' 7", 29#, @ 12155'	420 sx / surface 550 sx / surface 830 sx / surface 1175 sx / 2550 prop toc
BHP Petroleum Company Inc.	Burton Flat Deep Unit 5	30-015-20882	Eddy	1980' FWL 660' FSL	2	21S	27E	Dry Hole	P&A	7/8/1973	10/1/1973	11725'	Surf	Strawn Morrow	10352-10378' (plugged off) 11574-11578' (plugged off)	13-3/8", 48#, @ 594' 9-5/8", 36#, @ 2970' 5-1/2", 17#, @ 7700 - 11725'	750 sx / surface 1250 sx / surface 750 sx / 9310 cr
Southwest Royalties, Inc	Wilderspin Fed 4	30-015-25836	Eddy	1650' FNL 660' FWL	11	21S	27E	Oil	P&A	11/28/1987	3/14/1988	6270'	Surf	Delaware Bone Spring	2955-2972' (sqzd) 3957-3999' CIBP @ 3850' 5447-6237' CIBP @ 5350'	13-3/8", 54.5#, @ 435' 8-5/8", 32#, @ 2553' 5-1/2", 17#, @ 6270'	500 sx / surface 1150 sx / surface 1350 sx / surface
Southwest Royalties, Inc	Wilderspin Fed 1	30-015-21031	Eddy	1980' FNL 1980' FEL	11	21S	27E	Oil	Active	12/27/1973	3/13/1974	11700'	11638'	Wolfcamp Strawn Morrow	9660-9710' (producing) 10398-10430' CIBP @ 10250' 11326-11616' CIBP @ 11000'	13-3/8", 48#, @ 600' 9-5/8", 36#, @ 2960' 7", 26#, @ 11700'	750 sx / surface 1250 sx / surface 750 sx / 7400 ts
Devon Energy Prod Co LP	Burton Flat Deep Unit 43	30-015-33626	Eddy	990' FSL 660' FEL	3	21S	27E	Gas	Active	10/30/2004	2/11/2005	11680'	10480'	Strawn Morrow	10254-10266' (producing) 10510-10612' CIBP @ 10490' 11252-11575' CIBP @ 11220'	13-3/8", 48#, @ 600' 9-5/8", 36#, @ 2862' 5-1/2", 17#, @ 11675'	550 sx / surface 1050 sx / surface 3110 sx / 470 cbl
Mewbourne Oil Company	Alancran Hills 11 Fed Com 1	30-015-32674	Eddy	1450' FNL 660' FWL	11	21S	27E	Gas	Active	3/7/2004	4/17/2004	11770'	11695'	Morrow	11586-11594' (producing) 11398-11334' (producing)	13-3/8", 48#, @ 423' 9-5/8", 40#, @ 2663' 5-1/2", 17#, @ 11770'	450 sx / surface 1230 sx / surface 900 sx / 7920 cbl
Roland Rich Woolley	Metcalf-Wooley State 1	30-015-01104	Eddy	660' FWL 1980 FSL	2	21S	27E	Dry Hole	P&A	8/5/1953	8/19/1953	767'	Surf	n/a	n/a	10", 30#, @ 65' 8-5/8", 24#, @ 259' 7", 20#, @ 504'	All 3 strings not cemented

all Stallower wells

BHP PETROLEUM COMPANY

Well Name: BURTON FLAT UNIT #5	Field: BURTON FLAT-STRAWN		
Location: 1980' FWL & 660' FSL; SEC 2-T21S-R27E	County: EDDY		State: NM
Elevation: 3240' KB; 3225 GL	Spud Date: 7/8/73	Compl Date: 10/1/73	
API#: 30-015-20882	Prepared by: Ronnie Slack	Date: 1/16/13	Rev:

WELLBORE PLUGGED & ABANDONED by BHP Petroleum 11/29/86

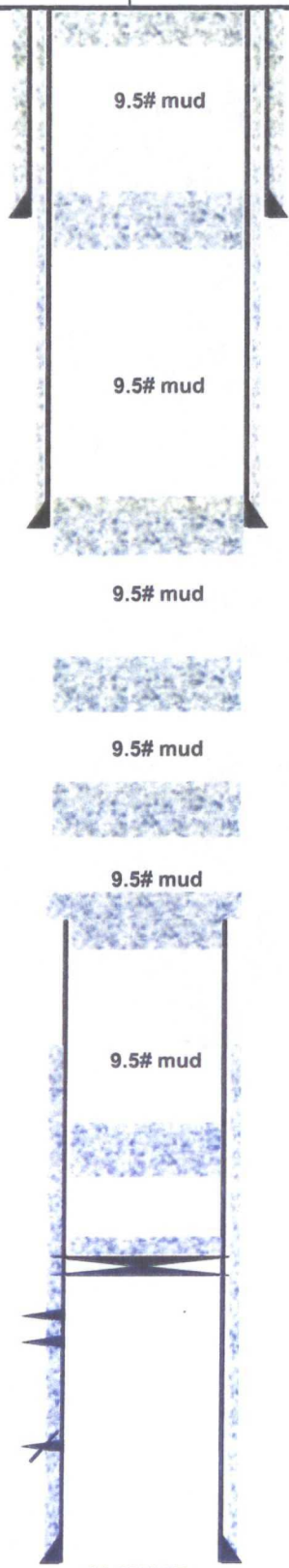
17-1/2" hole
13-3/8", 48#, H40, STC, @ 594'
Cmt'd w/750 sx to surface

12" Hole
9-5/8", 36#, K55, STC, @ 2,970'
Cmt'd w/1250 sx to surface

STRAWN
10,352 - 10,362
10,366 - 10,378

MORROW
11,574 - 11,578 *(sqzd w/72 sx)*

8-3/4" Hole
5-1/2", 17#, LTC, S95 & N80, @ 11,725
Cmt'd w/750 sx. TOC @ 9,310 (per sundry)



15 sx surface plug

35 sx cement @ 620'

35 sx cement @ 3,025'

35 sx cement @ 5,350'

35 sx cement @ 7,000'

35 sx cement @ 7650' - 7750'

Cut & pulled 5-1/2 casing from 7,700'

25 sx cememt @ 10,260'

CIBP @ 10,330', w/35' cement

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	✓
FILE	✓
U.S.G.S.	
LAND OFFICE	
OPERATOR	✓

IL CONSERVATION DIVISIC
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RECEIVED BY
DEC 31 1986
O. C. D.
ARTESIA, OFFICE

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: L-3568

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [X] OTHER- Dry Hole

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: 1300 One First City Center, Midland, Texas 79701

9. Well No.: 5

4. Location of Well
UNIT LETTER V, 1980 FEET FROM THE West LINE AND 660 FEET FROM THE South LINE, SECTION 2 TOWNSHIP 21S RANGE 27E NMPM.

10. Field and Pool, or Wildcat: Burton Flat-Strawn

15. Elevation (Show whether DF, RT, GR, etc.): 3225 GR

12. County: Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [X]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11/20/86 MIRU, POH w/packer and tubing.
11/21/86 Set CIBP @ 10,330' & cap w/35' cement. Spot 25 sack plug @ 10,260'. Circ hole w/9.5 lb/gal mud laden fluid.
11/22/86 Run freepoint of 5½" casing. Freepoint @ 7800'.
11/25/86 Cut & pulled 5½" casing @ 7700'. Total recovery 238 joints 5½" casing.
11/27/86 Spot 35 sack plug 7750'-7650'. Spot 35 sack plug @ 7000'. Spot 35 sack plug @ 5350'. Spot 45 sack plug @ 3025'.
11/29/86 Tagged plug @ 3025'. Spot 35 sack plug @ 620'. Spot 15 sack plug @ surface. Cut off wellhead. Installed dry hole marker. Well P&A'd.

Post ID-2
1-23-87
P+A

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED D. E. Brown TITLE Regional Manager DATE 12/29/86

APPROVED BY Darrell Moore TITLE Geologist DATE 2/5/87

CONDITIONS OF APPROVAL, IF ANY:

SOUTHWEST ROYALTIES, INC

Well Name: WILDERSPIN FED #4	Field: AVALON; BONE SPRING, EAST		
Location: 1650' FNL & 660' FWL; SEC 11-T21S-R27E	County: EDDY		State: NM
Elevation: 3267' RKB	Spud Date: 11/28/87	Compl Date: 3/14/88	
API#: 30-015-25836 / Prepared by: Ronnie Slack	Date: 1/17/13	Rev:	

WELLBORE PLUGGED & ABANDONED by SOUTHWEST ROYALTIES, INC 7/3/06

17-1/2" hole
13-5/8", 54.5#, K55, @ 435'
Cmt'd w/500 sx to surface

Circulate 60 sx from 492' to surface.

10# Mud

12-1/4" hole
8-5/8", 32#, K55, @ 2,553'
Cmt'd w/1150 sx to surface

Spot 60 sx @ 2,450' - 3,023'.

DELAWARE
2,955' - 2,972' *(sqzd)*

10# Mud

Spot 25 sx @ 3,674' - 3,981'. Tagged.

DELAWARE
3,957' - 3,999'

CIBP @ 5350', w/35' cement

BONE SPRING
5447' - 6237'

7-7/8" Hole
5-1/2", 17#, K55 @ 6,270'
Cmt'd w/1350 sx to surface

6,270' TD

RECEIVED

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FILE COPY

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

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

5. Lease Serial No: NMNM 147068
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/Agreement, Name and/or No.:
8. Well Name and No.: **WILDERSPIN FED. #4**
9. API Well No.: **30 015 25836**
10. Field and Pool, or Exploratory Area: **WILDCAT**
11. County or Parish, State: **EDDY COUNTY, NM**

1. Type of Well: [✓] Oil Well [ ] Gas Well [ ] Other

2. Name of Operator: **SOUTHWEST ROYALTIES, INC.**

3a. Address: **6 Desta Drive, Suite #2100, Midland, TX 79705**

3b. Phone No (*include area code*): **432-688-3257**

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

1650' FNL & 660' FWL
SW NW SECTION 11, T 21S, R 27E, MERIDIAN NMP

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

TYPE OF SUBMISSION	TYPE OF ACTION			
[ ] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[ ] Subsequent Report	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[✓] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[ ] 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.)

6-28-06 M.I. R.U. Basic Energy Services P & A Rig #1273.
6-29-06 R.I.H. w/5 1/2" Gauge Ring. Could not get past 3,616'. Pickup tbg. & go in hole to 3,981'. Spot 25 sx. cmt. P.U.H. w/tbg. to 2,800'. W.O.C.
6-30-06 Tag T.O.C. @3,674'. Pressure test csg. @800# & circulate hole w/10# M.L.F. Pull tbg. to 3,023'. Spot 60 sx. cmt. Calculated T.O.C. @2,450'. Pull tbg. to 492'. Mix & circulate cement to surface w/60 sx. cement.
7-3-06 R.D. M.O. location.

Kent Cobbell, NMBLM, witnessed plugs.
Gene Hunt, NMBLM, O.K. not to tag plug @3,023' since csg. tested good.

Approved as to plugging of the well bore. Liability under bond is retained until surface restoration is completed.

APPROVED
JUL 31 2006
GARY GOURLEY
PETROLEUM ENGINEER

OCT 2007 Received OCD Artesia

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

Name (*Printed/Typed*)	Title
RANDALL MINEAR	P & A Supv.
Signature: Randall Minear	Date: 07/05/2006

DAWN HOWARD
SOUTHWEST ROYALTIES,
Dawn Howard 7/20/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

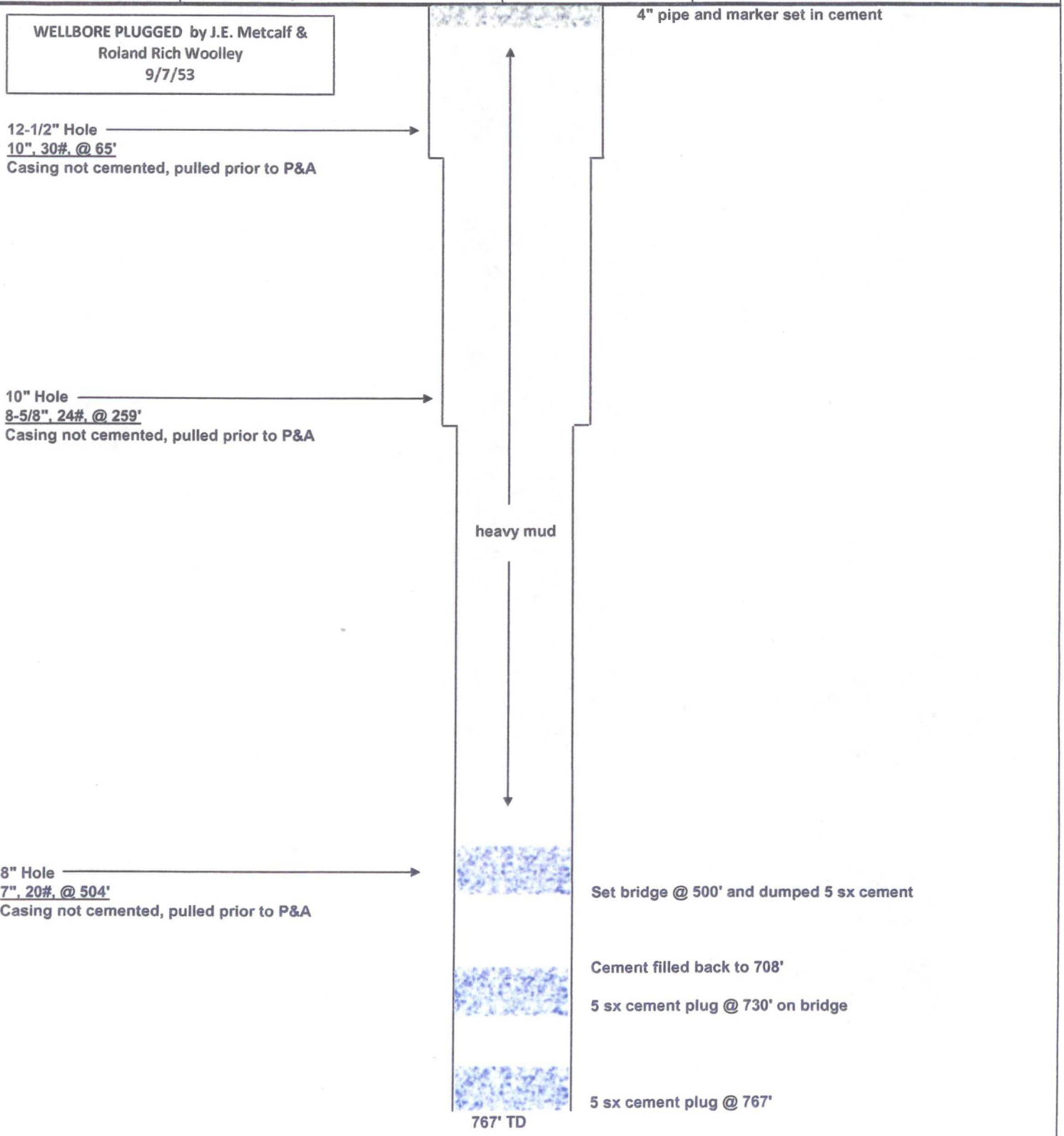
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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)

J.E. METCALF & ROLAND RICH WOOLLEY

Well Name: METCALF WOOLLEY STATE 1		Field: AVALON; BONE SPRING, EAST	
Location: 1980' FSL & 660' FWL; SEC 2-T21S-R27E		County: EDDY	State: NM
Elevation: 3216		Spud Date: 8/5/53	Compl Date: NA-Dry Hole
API#: 30-015-01104	Prepared by: Ronnie Slack	Date: 1/17/13	Rev:



(Form C-103)
(Revised 7/1/52)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL	X	REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

September 28, 1953 (Date) Loco Hills, New Mexico (Place)

Following is a report on the work done and the results obtained under the heading noted above at the

J. E. Metcalf & Roland Rich Woolley (Company or Operator) Metcalf-Woolley State (Lease)

Kersey and Company (Contractor), Well No. 1 in the NW ¼ SW ¼ of Sec. 2

T. 21S, R. 27E, NMPM., Wildcat Pool, Eddy County.

The Dates of this work were as follows: 9/1;9/2/53;9/3;9/7/53

Notice of intention to do the work (was) ~~was not~~ submitted on Form C-102 on September 26 (Cross out incorrect words), 19 53

and approval of the proposed plan (was) (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

This well was drilled to a total depth of 767ft and found dry and was plugged.

On 9/1/53 a 5 sk cement plug was set at 767' and a 5 sk cement plug at 730' on bridge.

On 9/2/53 tested and found plug at 730' had set and cement filled back to 708'.

On 9/3/53 Set a bridge at 500' and dumped 5 sks of cement.

On 9/7/53 finished filling hole with heavy mud, set 4" pipe and marker set in cement.

This location will be cleaned and leveled and put back as near as possible as we originally found it by San Sanders Construction Co.

Witnessed by ..... (Name) J. E. Metcalf-Roland Rich Woolley (Company) Superintendent (Title)

Approved:
OIL CONSERVATION COMMISSION

L. A. Hanson
(Name)

(Title) (Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name J. E. Metcalf

Position Superintendent

Representing Roland Rich Woolley

Address Box 398, Loco Hills, New Mexico

(Form C-103)
(Revised 7/1/52)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS	REPORT ON RESULT OF TEST OF CASING SHUT OFF X	REPORT ON REPAIRING WELL
REPORT ON RESULT OF PLUGGING WELL	REPORT ON RECOMPLETION OPERATION	REPORT ON (Other)

September 26, 1953 (Date) Loco Hills, New Mexico (Place)

Following is a report on the work done and the results obtained under the heading noted above at the

J. E. Metcalf & Roland Rich Woolley (Company or Operator) Metcalf-Woolley State (Lease)

Kersey and Company (Contractor) Well No 1 in the NW ¼ SW ¼ of Sec. 2

T. 21 S, R. 27 E NMPM., Wildcat Pool, Eddy County.

The Dates of this work were as folows 8/6/53; 8/15/53; 8/19/53

Notice of intention to do the work (was) (was not) submitted on Form C-102 on ..... (Cross out incorrect words)

and approval of the proposed plan (was) (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

On August 6, 1953-65' of 10" Casing was run and not cemented.
On August 15, 1953-259' of 8 5/8" Casing was run and not cemented.
On August 19, 1953-504' of 7" Casing was run and not cemented.

This well was drilled to a total depth of 767' and no oil pays were encountered only shows of dead oil at 585'-90' and 639'-55'.
Sulpha water 741' to 748', approximately 1 bbl per hr and when total depth was reached there was 500' of water in hole.

Witnessed by ..... (Name) J.E. Metcalf-Roland Rich Woolley (Company) Superintendent (Title)

Approved:
OIL CONSERVATION COMMISSION

L. A. Hanson
(Name)

(Title) (Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name J. E. Metcalf

Position Superintendent

Representing Roland Rich Woolley

Address Box 398, Loco Hills, New Mexico

(Form C-102)
(Revised 7/1/52)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

Notice of Intention to Change Plans		Notice of Intention to Temporarily Abandon Well		Notice of Intention to Drill Deeper	
Notice of Intention to Plug Well	X	Notice of Intention to Plug Back		Notice of Intention to Set Liner	
Notice of Intention to Squeeze		Notice of Intention to Acidize		Notice of Intention to Shoot (Nitro)	
Notice of Intention to Gun Perforate		Notice of Intention (Other)		Notice of Intention (Other)	

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Loco Hills, New Mexico (Place) September 28, 1953 (Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the Metcalf-Woolley State

J. E Metcalf & Roland Rich Woolley (Company or Operator) Well No. 1 in L (Unit)

NW (40-acre Subdivision) ¼ SW ¼ of Sec. 2, T. 21 S, R. 30 E, NMPM., Wildcat Pool

Eddy County.

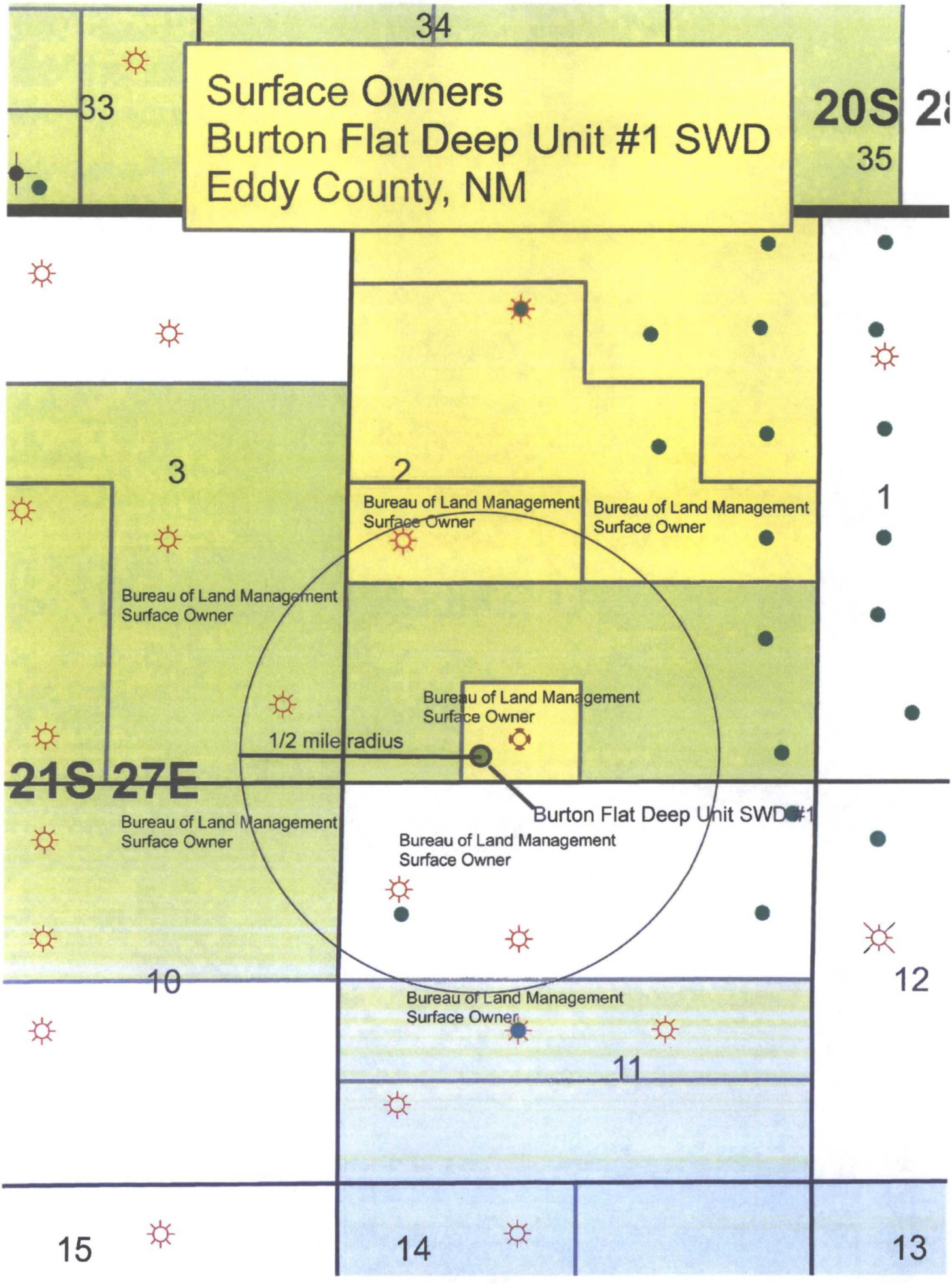
FULL DETAILS OF PROPOSED PLAN OF WORK
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

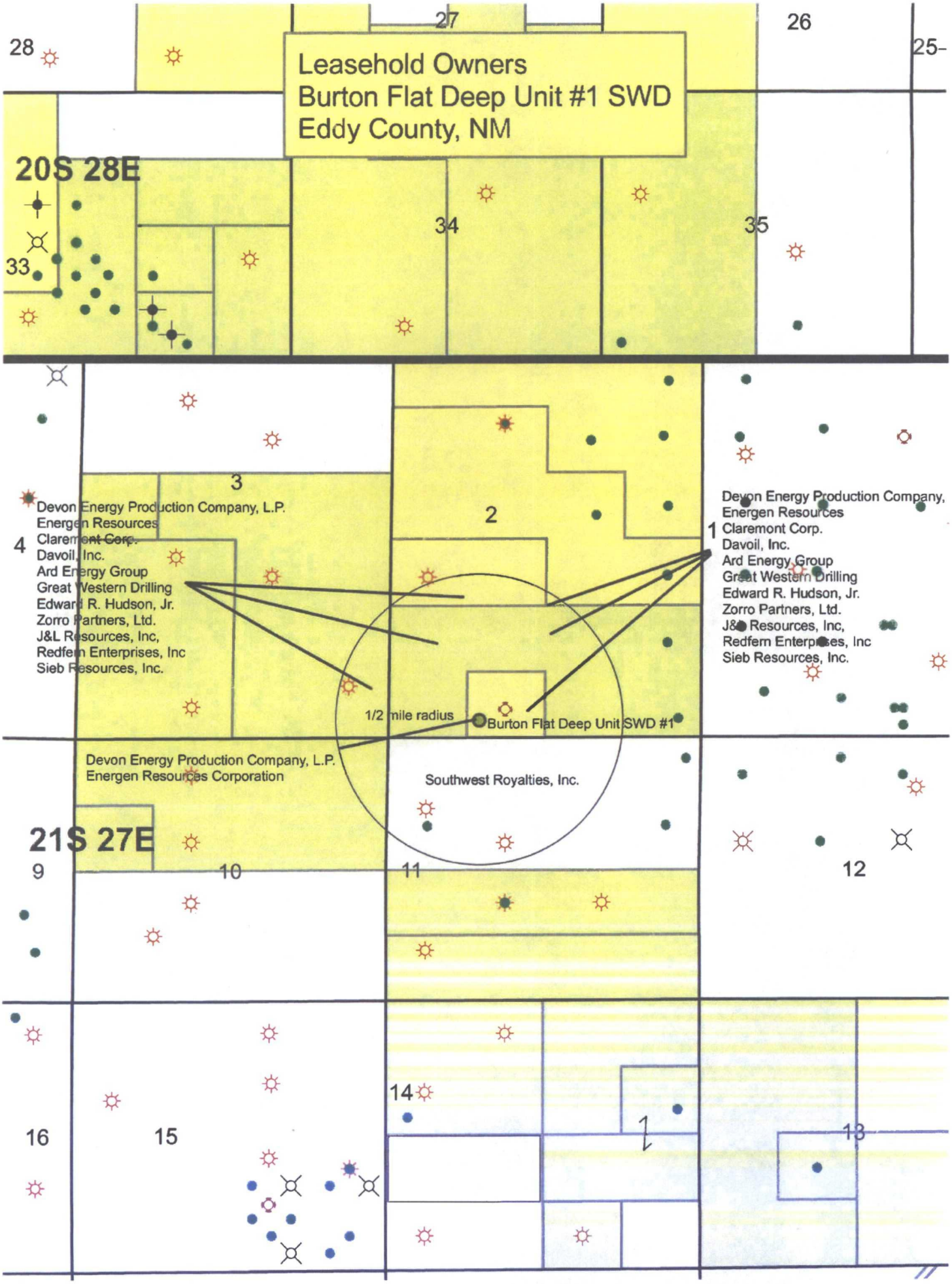
This well was drilled to a total depth of 767' and only dead oil shows were found at 585'-90' and 639'-55', therefore we would like to plug this well and remove the casing. We will plug hole according to Rules and Regulations of the Commission.

Approved ....., 19.....
Except as follows:

Approved
OIL CONSERVATION COMMISSION
By L. A. Hanson
Title .....

Roland Rich Woolley
Company or Operator
By C. V. Bruce
Position Superintendent
Send Communications regarding well to:
Name Roland Rich Woolley
Address Box 398, Loco Hills, New Mexico


Surface Owners
Burton Flat Deep Unit #1 SWD
Eddy County, NM
34
33
20S
35
3
2
1
Bureau of Land Management
Surface Owner
Bureau of Land Management
Surface Owner
Bureau of Land Management
Surface Owner
Bureau of Land Management
Surface Owner
1/2 mile radius
21S 27E
Burton Flat Deep Unit SWD #1
Bureau of Land Management
Surface Owner
Bureau of Land Management
Surface Owner
10
12
Bureau of Land Management
Surface Owner
11
15
14
13


Leasehold Owners
Burton Flat Deep Unit #1 SWD
Eddy County, NM
20S 28E
21S 27E
Devon Energy Production Company, L.P.
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.
Devon Energy Production Company,
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.
1/2 mile radius
Burton Flat Deep Unit SWD #1
Devon Energy Production Company, L.P.
Energen Resources Corporation
Southwest Royalties, Inc.

Leasehold Operator Ownership
½ mile Burton Flat Deep Unit SWD #1

Township 21 South, Range 27 East

Section 10 : NE/4

Devon Energy Production Company, L.P. 333 W. Sheridan Avenue Oklahoma City OK 73102	90.78%
Energen Resources Corporation 605 Richard Arrington, Jr. Blvd. N Birmingham, Alabama 35203-2707	9.22%

Section 2: S/2, S/2 N/2; Section 3: SE/4, SE/4 NE/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 4th, #4-5 Ft. Worth, TX 76102-4612	1.0004%
Great Western Drilling, Inc. P.O. Box 1659 Midland, TX 79702	.4837%

Edward R. Hudson, Jr. 616 Texas Street Ft. Worth, Texas 76102-4612	1.0004%
Zorro Partners, Ltd. 616 Texas Street Ft. Worth, TX 76102-4612	1.0004%
J&L Resources, Inc. 310 Morton Street, Suite 160 Richmond, TX 77469	.1808%
Redfern Enterprises, Inc. P.O. Box 2127 Midland, TX 79702-2127	.3511%
Sieb Resources, Inc. P.O. 1107 Richmond, TX 77046	.1808%

Section 11: N/2

Southwest Royalties, Inc. 6 Desta Drive, Suite 6700 Midland, TX 79705	100%

Section XIV--Proof of Notice to Leasehold Operators
Devon Energy Prod Co LP
C108 Application For Injection
Proposed Well: Burton Flat Deep Unit SWD 1

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

Energen Resources Corporation 605 Richard Arrington, Jr. Blvd. N Birmingham, Alabama 35203-2707	Certified receipt No. 7008 1830 0002 7421 6627
Claremont Corporation P.O. Box 549 Claremore, OK 74017	Certified receipt No. 7008-1830-0002-7421-6634
Davoil, Inc. P.O. Box 122269 Ft. Worth, TX 76121-2269	Certified receipt No. 7008-1830-0002-7421-6641
Ard Energy Group 222 West 4th, #4 - 5 Ft. Worth, Texas 76102-4612	Certified receipt No. 7008-1830-0002-7421-6658
Great Western Drilling, Inc. P.O. Box 1659 Midland, TX 79702	Certified receipt No. 7008-1830-0003-1986-6800
Edward R. Hudson, Jr. 616 Texas Street Ft. Worth, Texas 76102-4612	Certified receipt No. 7008-1140-0004-6108-9847
Zorro Partners, Ltd. 616 Texas Street Ft. Worth, TX 76102-4612	Certified receipt No. 7008-1830-0002-7421-6399
J&L Resources, Inc. 310 Morton Street, Suite 160 Richmond, TX 77469	Certified receipt No. 7008-1830-0002-7421-6382
Redfern Enterprises, Inc. P.O. Box 2127 Midland, TX 79702-2127	Certified receipt No. 7008-1830-0002-7421-6375
Sieb Resources, Inc. P.O. 1107 Richmond, TX 77046	Certified receipt No. 7008-1830-0002-7421-6368
Southwest Roylties, Inc. 6 Desta Drive, Suite 6700 Midland, TX 79705	Certified receipt No. 7008-1830-0002-7421-9468

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 Parkway West SWD #1.

Date Mailed: 02/12/2013

Signature: [signature]

Date: 02/13/2013

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

Section XIV--Proof of Notice to Surface Land Owner
Devon Energy Prod Co LP
C108 Application For Injection
Proposed Well: Burton Flat Deep Unit SWD 1

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

Certified receipt No.
7008 1830 0002 7421 6979

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

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 SWD #1.

Date Mailed: 1/13/2013

Signature: _____ Date: 1/13/2013

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

devon

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 2013

Ard Energy Group
222 West 4th, #4-5
Ft. Worth, Texas 76102-4612

RE: Form C-108, Application for Authorization to Inject
Burton Flat Deep Unit SWD #1; API 30-015-40987
Eddy County, NM
Section 2, 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 drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician 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 SWD #1 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

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 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 SWD #1; API# 30-015-40987
Eddy County, NM
Section 2, T21S, R27E; 330' FSL & 1550' FWL

Dear Bureau of Land Management:

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

Devon's application proposes to drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal. Produced waters will be injected into the Devonian/Silurian/Ordovician formation from 12155' to 14500'.

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

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 2013

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

RE: Form C-108, Application for Authorization to Inject
Burton Flat Deep Unit SWD #1; API 30-015-40987
Eddy County, NM
Section 2, 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 drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician 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 SWD #1 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

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 2013

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

RE: Form C-108, Application for Authorization to Inject
Burton Flat Deep Unit SWD #1; API 30-015-40987
Eddy County, NM
Section 2, 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 drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician 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 SWD #1 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

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 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 SWD #1; API 30-015-40987
Eddy County, NM
Section 2, 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 drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician 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 SWD #1 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

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 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 SWD #1; API 30-015-40987
Eddy County, NM
Section 2, 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 drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician 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 SWD #1 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

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 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 SWD #1; API 30-015-40987
Eddy County, NM
Section 2, 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 drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician 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 SWD #1 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

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 2013

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

RE: Form C-108, Application for Authorization to Inject
Burton Flat Deep Unit SWD #1; API 30-015-40987
Eddy County, NM
Section 2, 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 drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician 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 SWD #1 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

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 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 SWD #1; API 30-015-40987
Eddy County, NM
Section 2, 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 drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician formation.

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

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

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure

devon

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 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 SWD #1; API 30-015-40987
Eddy County, NM
Section 2, 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 drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician 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 SWD #1 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

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 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 SWD #1; API 30-015-40987
Eddy County, NM
Section 2, 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 drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician formation.

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

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

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure

devon

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 2013

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

RE: Form C-108, Application for Authorization to Inject
Burton Flat Deep Unit SWD #1; API 30-015-40987
Eddy County, NM
Section 2, 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 drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician 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 SWD #1 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

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 2013

Southwest Royalties, Inc.
6 Desta Drive, Suite 6700
Midland, Texas 79705

RE: Form C-108, Application for Authorization to Inject
Burton Flat Deep Unit SWD #1; API 30-015-40987
Eddy County, NM
Section 2, T21S, R27E

Dear Southwest Royalties, Inc.:

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

Devon's application proposes to drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician 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 SWD #1 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

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

405 235 3611 Phone
www.devonenergy.com

February 13th, 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 SWD #1; API 30-015-40987
Eddy County, NM
Section 2, T21S, R27E

Dear Zorro Partners, Ltd.:

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

Devon's application proposes to drill and convert the Burton Flat Deep Unit SWD #1 to salt water disposal in the Devonian/Silurian/Ordovician 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 SWD #1 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

Burton Flat Deep Unit SWD 1
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	
Sampling Date:	11/29/2012
Analysis Date:	12/10/2012
Analyst:	LEAH DURAN
TDS (mg/l or g/m3):	207014.4
Density (g/cm3, tonne/m3):	1.143
Anion/Cation Ratio:	1
Carbon Dioxide:	300 PPM
Oxygen:	
Comments:	

Analysis of Sample 632687 @ 75 ℉

Anions	mg/l	meq/l	Cations	mg/l	meq/l
Chloride:	**127509.0**	**3596.56**	**Sodium:**	**49363.9**	**2147.21**
Bicarbonate:	**183.0**	**3.**	**Magnesium:**	**3612.0**	**297.14**
Carbonate:	**0.0**	**0.**	**Calcium:**	**23129.0**	**1154.14**
Sulfate:	**1724.0**	**35.89**	**Strontium:**	**623.0**	**14.22**
Phosphate:			**Barium:**	**0.5**	**0.01**
Borate:			**Iron:**	**37.0**	**1.34**
Silicate:			Potassium:	823.0	21.05
			Aluminum:		
Hydrogen Sulfide:		0 PPM	Chromium:		
pH at time of sampling:		7	Copper:		
pH at time of analysis:			Lead:		
pH used in Calculation:		7	Manganese:	10.000	0.36
			Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite $CaCO_3$		Gypsum $CaSO_4 \cdot 2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		CO_2 Press
℉	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.

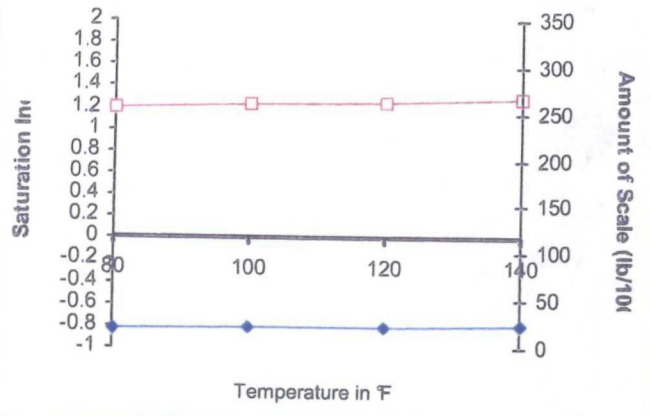
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

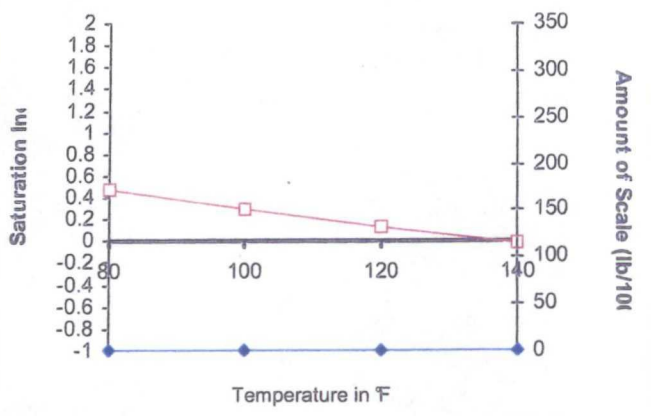
Scale Predictions from Baker Petrolite

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

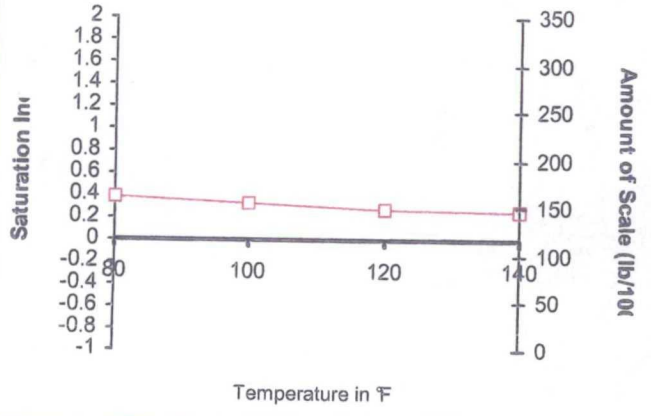
Calcite - CaCO3



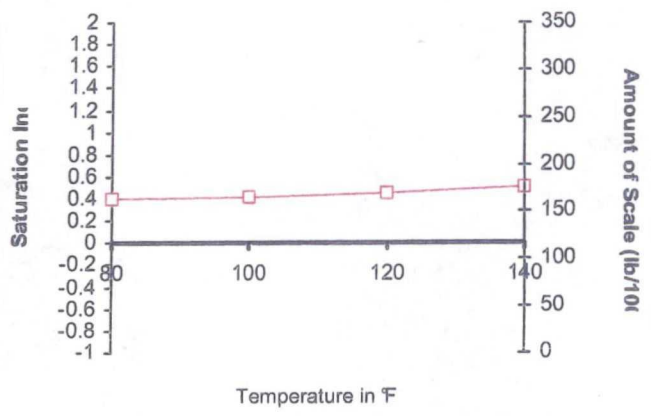
Barite - BaSO4



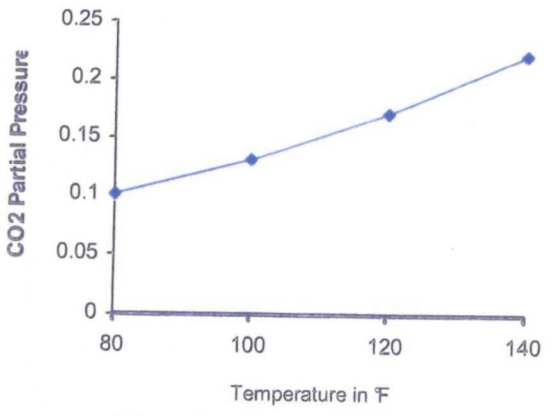
Gypsum - CaSO4*2H20



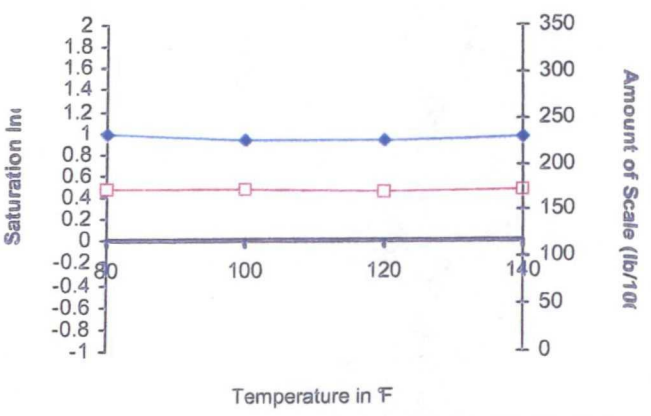
Anhydrite - CaSO4



Carbon Dioxide Partial Pressure



Celestite - SrSO4



Burton Flat Deep Unit SWD 1
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	
Sampling Date:	11/29/2012
Analysis Date:	12/10/2012
Analyst:	LEAH DURAN
TDS (mg/l or g/m3):	247633.7
Density (g/cm3, tonne/m3):	1.169
Anion/Cation Ratio:	1
Carbon Dioxide:	250 PPM
Oxygen:	
Comments:	

Analysis of Sample 632686 @ 75 °F

Anions	mg/l	meq/l	Cations	mg/l	meq/l
Chloride:	**153810.0**	**4338.42**	**Sodium:**	**56226.7**	**2445.72**
Bicarbonate:	**122.0**	**2.**	**Magnesium:**	**4572.0**	**376.11**
Carbonate:	**0.0**	**0.**	**Calcium:**	**29985.0**	**1496.26**
Sulfate:	**1084.0**	**22.57**	**Strontium:**	**828.0**	**18.9**
Phosphate:			**Barium:**	**1.0**	**0.01**
Borate:			**Iron:**	**18.0**	**0.65**
Silicate:			Potassium:	978.0	25.01
			Aluminum:		
Hydrogen Sulfide:		0 PPM	Chromium:		
pH at time of sampling:		7	Copper:		
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 $CaCO_3$		Gypsum $CaSO_4 * 2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		CO_2 Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.16	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.

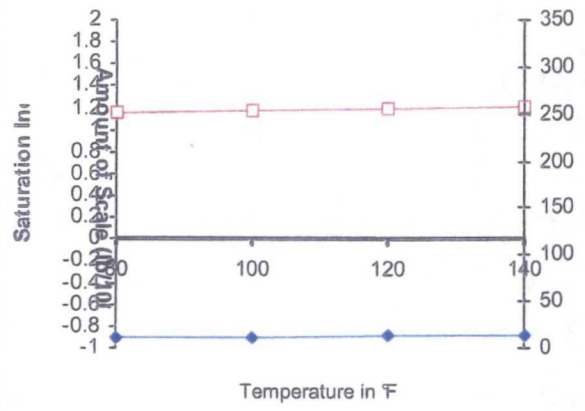
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

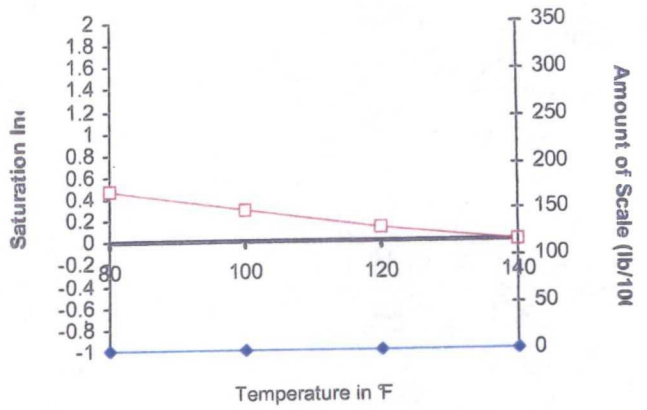
Scale Predictions from Baker Petrolite

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

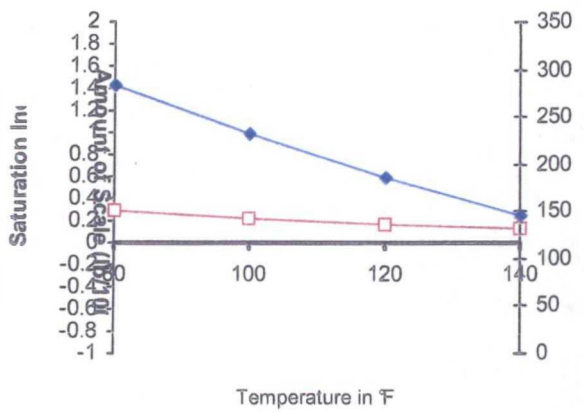
Calcite - CaCO3



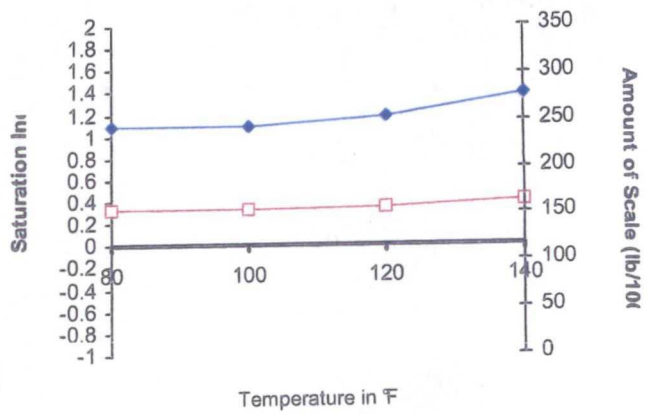
Barite - BaSO4



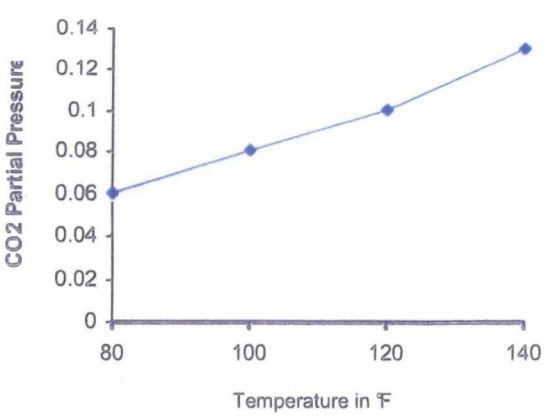
Gypsum - CaSO4*2H20



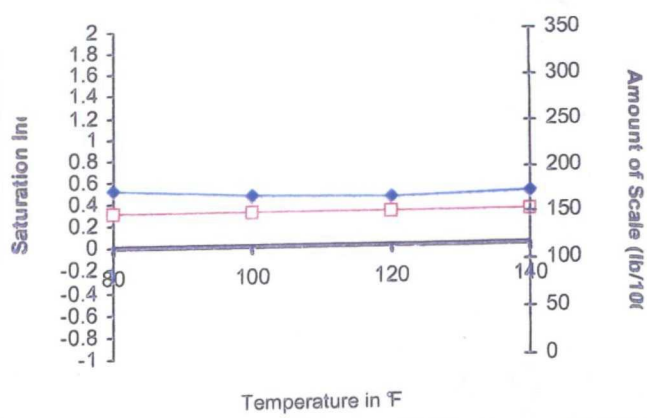
Anhydrite - CaSO4



Carbon Dioxide Partial Pressure



Celestite - SrSO4



Burton Flat Deep Unit SWD 1
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	
Sampling Date:	11/29/2012
Analysis Date:	12/10/2012
Analyst:	LEAH DURAN
TDS (mg/l or g/m3):	244966.1
Density (g/cm3, tonne/m3):	1.168
Anion/Cation Ratio:	1
Carbon Dioxide:	300 PPM
Oxygen:	
Comments:	

Analysis of Sample 632688 @ 75 ℉

Anions	mg/l	meq/l	Cations	mg/l	meq/l
Chloride:	**151976.0**	**4286.69**	**Sodium:**	**57796.1**	**2513.99**
Bicarbonate:	**122.0**	**2.**	**Magnesium:**	**4316.0**	**355.05**
Carbonate:	**0.0**	**0.**	**Calcium:**	**28034.0**	**1398.9**
Sulfate:	**1013.0**	**21.09**	**Strontium:**	**782.0**	**17.85**
Phosphate:			**Barium:**	**1.0**	**0.01**
Borate:			**Iron:**	**19.0**	**0.69**
Silicate:			Potassium:	898.0	22.97
			Aluminum:		
Hydrogen Sulfide:		0 PPM	Chromium:		
pH at time of sampling:		7	Copper:		
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 $CaCO_3$		Gypsum $CaSO_4*2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		CO_2 Press
℉	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.

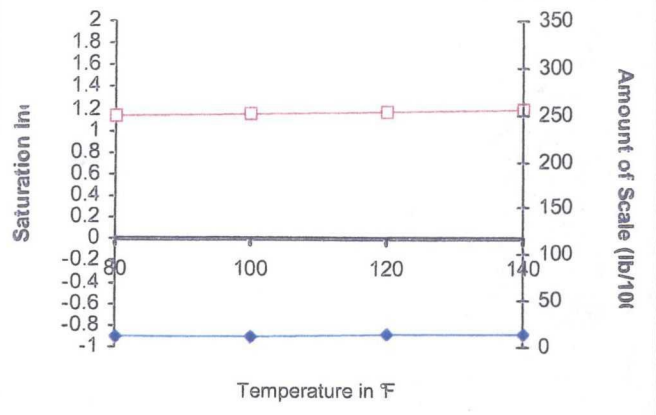
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

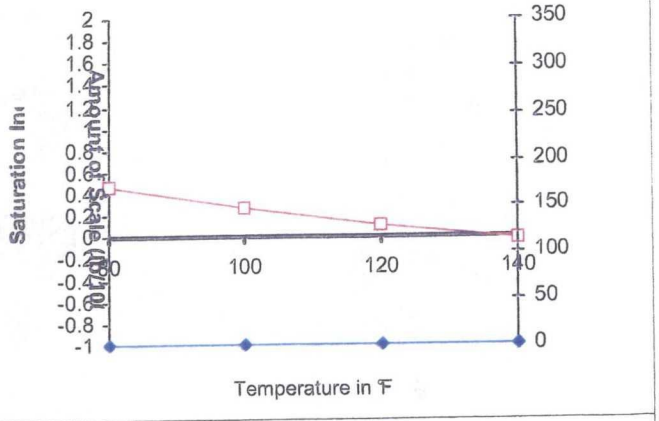
Scale Predictions from Baker Petrolite

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

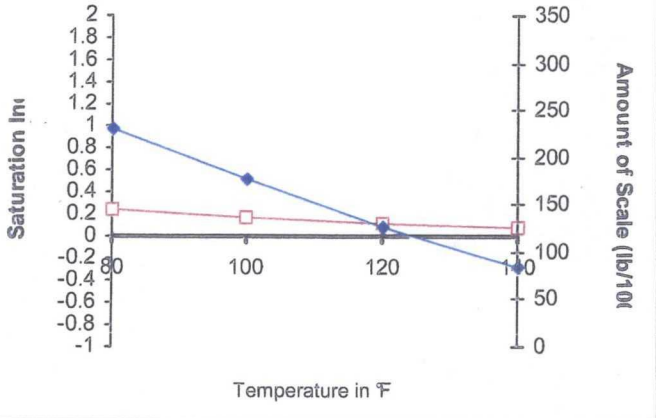
Calcite - CaCO3



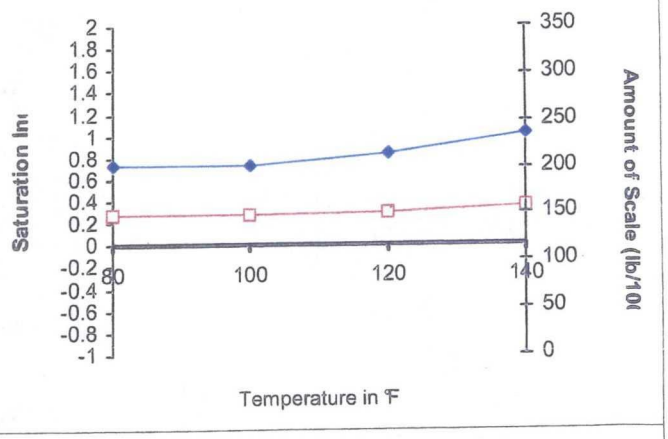
Barite - BaSO4



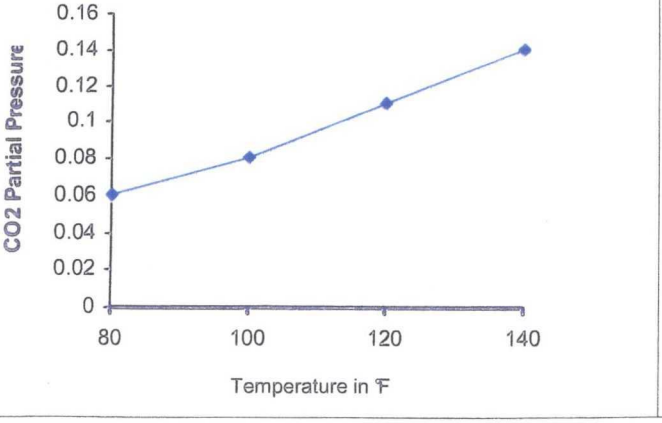
Gypsum - CaSO4*2H20



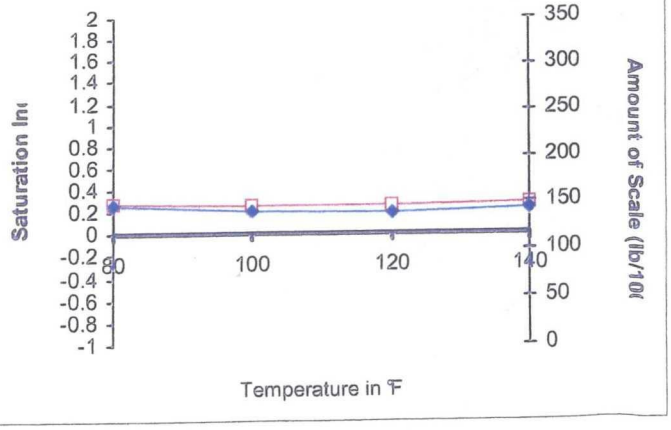
Anhydrite - CaSO4

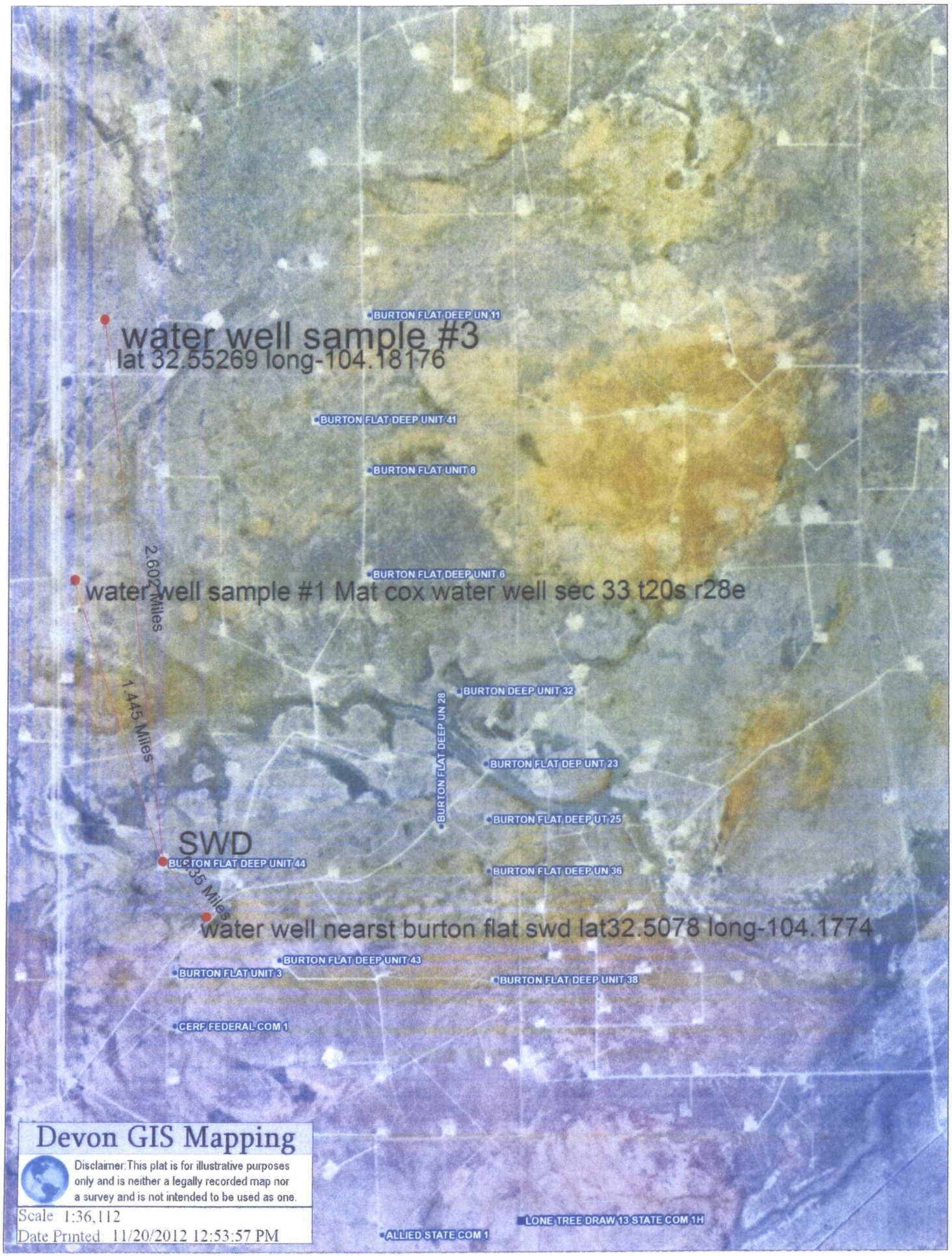


Carbon Dioxide Partial Pressure



Celestite - SrSO4




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 DEEP UN 28
BURTON FLAT DEP UNT 23
BURTON FLAT DEEP UT 25
SWD
BURTON FLAT DEEP UNIT 44
BURTON FLAT DEEP UN 36
1.935 Miles
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
LONE TREE DRAW 13 STATE COM 1H
ALLIED STATE 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

Burton Flat Deep Unit SWD 1
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	
Sampling Date:	11/23/2012
Analysis Date:	12/19/2012
Analyst:	LEAH DURAN
TDS (mg/l or g/m3):	4028.9
Density (g/cm3, tonne/m3):	1.004
Anion/Cation Ratio:	1.0000002
Carbon Dioxide:	
Oxygen:	
Comments:	

Analysis of Sample 578329 @ 75 ℉

Anions	mg/l	meq/l	Cations	mg/l	meq/l
Chloride:	**414.0**	**11.68**	**Sodium:**	**504.5**	**21.95**
Bicarbonate:	**146.4**	**2.4**	**Magnesium:**	**121.0**	**9.95**
Carbonate:	**0.0**	**0.**	**Calcium:**	**561.0**	**27.99**
Sulfate:	**2245.0**	**46.74**	**Strontium:**	**9.5**	**0.22**
Phosphate:			**Barium:**	**0.1**	**0.**
Borate:			**Iron:**	**0.4**	**0.01**
Silicate:			Potassium:	27.0	0.69
			Aluminum:		
Hydrogen Sulfide:		0 PPM	Chromium:		
pH at time of sampling:		6.2	Copper:		
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 $CaCO_3$		Gypsum $CaSO_4 \cdot 2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		CO_2 Press
℉	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.

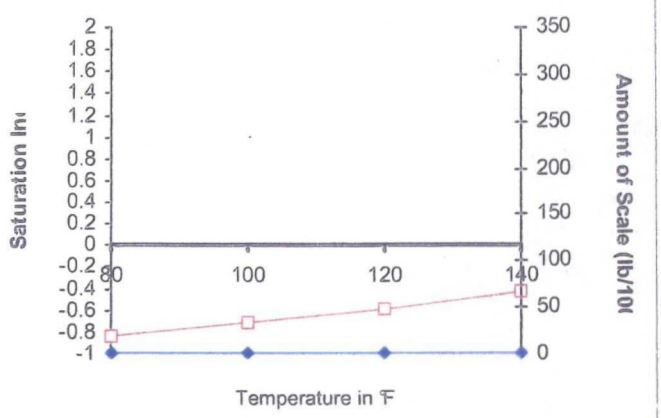
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

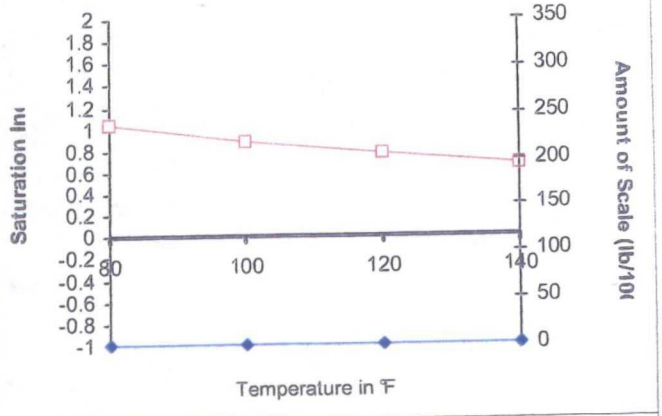
Scale Predictions from Baker Petrolite

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

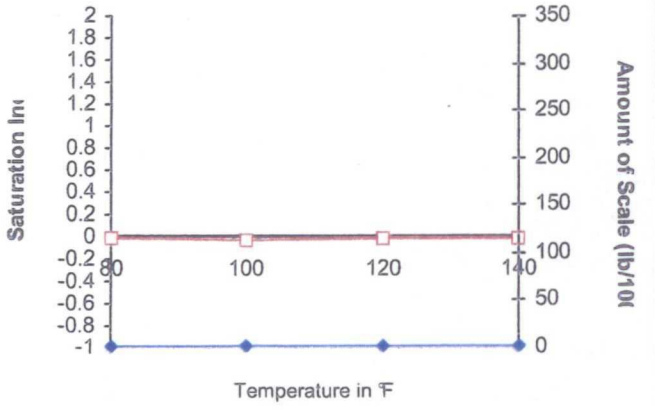
Calcite - CaCO3



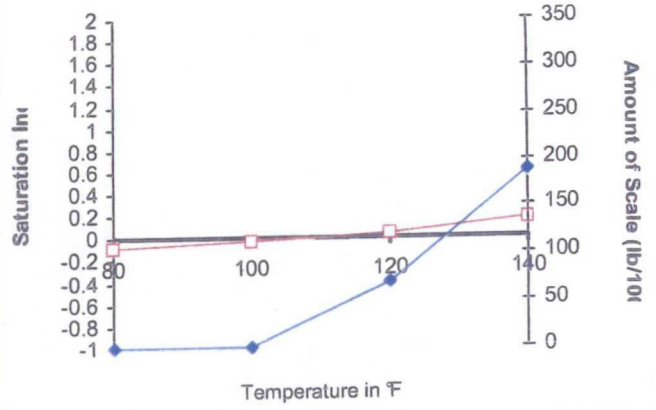
Barite - BaSO4



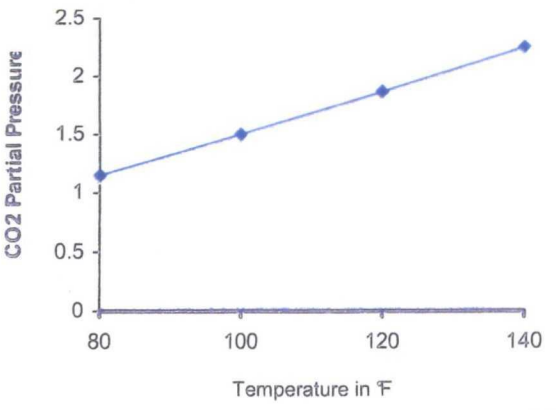
Gypsum - CaSO4*2H20



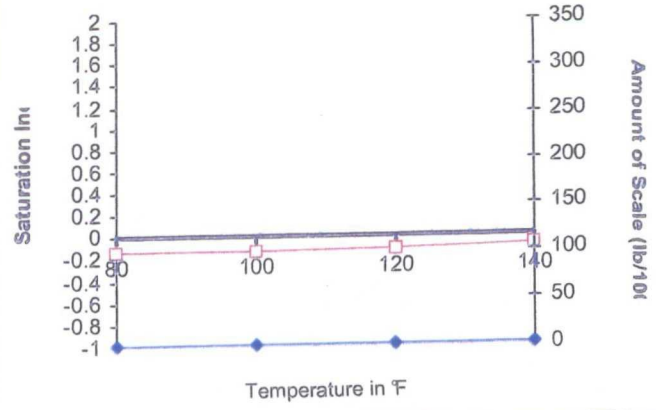
Anhydrite - CaSO4



Carbon Dioxide Partial Pressure



Celestite - SrSO4



Burton Flat Deep Unit SWD 1
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	
Sampling Date:	11/23/2012
Analysis Date:	12/19/2012
Analyst:	LEAH DURAN
TDS (mg/l or g/m3):	3852.2
Density (g/cm3, tonne/m3):	1.003
Anion/Cation Ratio:	0.9999997
Carbon Dioxide:	0 PPM
Oxygen:	
Comments:	

Analysis of Sample 578330 @ 75 °F

Anions	mg/l	meq/l
Chloride:	**444.0**	**12.52**
Bicarbonate:	**122.0**	**2.**
Carbonate:	**0.0**	**0.**
Sulfate:	**2115.0**	**44.03**
Phosphate:		
Borate:		
Silicate:		
Hydrogen Sulfide:		0 PPM
pH at time of sampling:		6.6
pH at time of analysis:		
pH used in Calculation:		**6.6**

Cations	mg/l	meq/l
Sodium:	**501.9**	**21.83**
Magnesium:	**114.0**	**9.38**
Calcium:	**541.0**	**27.**
Strontium:	**7.0**	**0.16**
Barium:	**0.1**	**0.**
Iron:	**0.6**	**0.02**
Potassium:	6.5	0.17
Aluminum:		
Chromium:		
Copper:		
Lead:		
Manganese:	0.100	0.
Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite $CaCO_3$		Gypsum $CaSO_4 * 2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		CO_2 Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	-0.53	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.

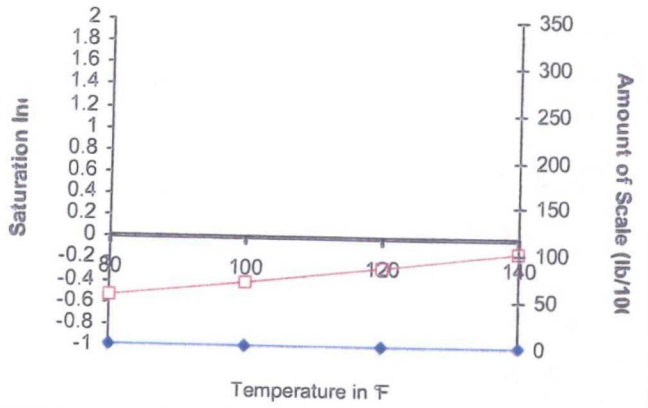
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

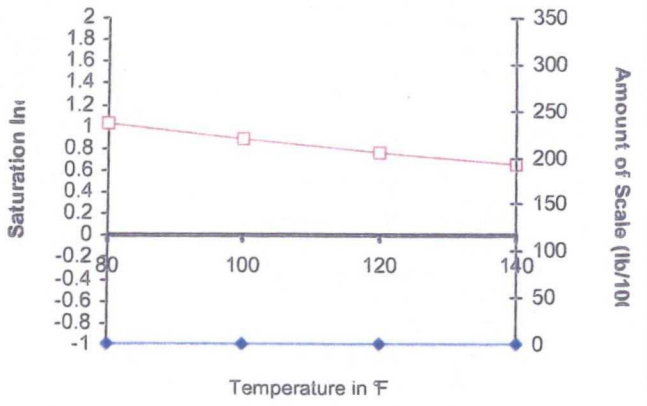
Scale Predictions from Baker Petrolite

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

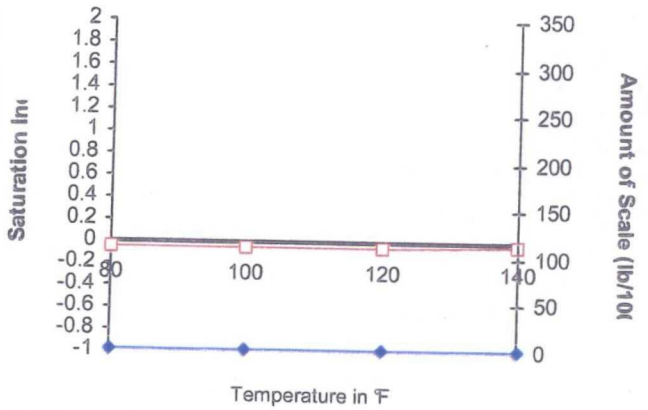
Calcite - CaCO3



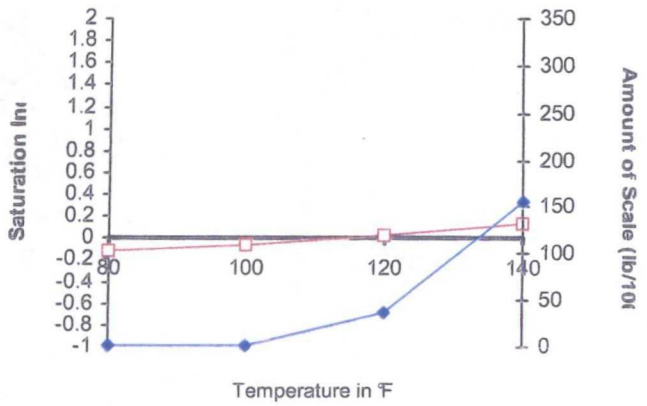
Barite - BaSO4



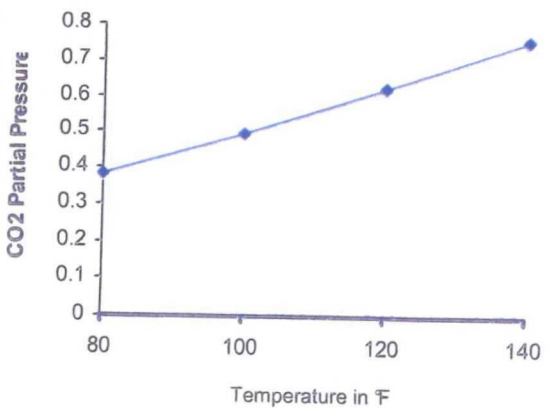
Gypsum - CaSO4*2H20



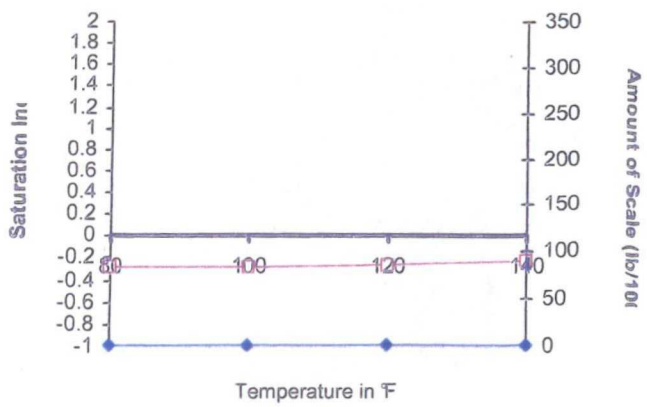
Anhydrite - CaSO4



Carbon Dioxide Partial Pressure



Celestite - SrSO4



Burton Flat Deep Unit SWD 1
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	
Sampling Date:	11/23/2012
Analysis Date:	12/19/2012
Analyst:	LEAH DURAN
TDS (mg/l or g/m3):	5336.2
Density (g/cm3, tonne/m3):	1.005
Anion/Cation Ratio:	1.0000001
Carbon Dioxide:	
Oxygen:	
Comments:	

Analysis of Sample 578328 @ 75 ℉

Anions	mg/l	meq/l	Cations	mg/l	meq/l
Chloride:	**724.0**	**20.42**	**Sodium:**	**727.0**	**31.62**
Bicarbonate:	**158.6**	**2.6**	**Magnesium:**	**211.0**	**17.36**
Carbonate:	**0.0**	**0.**	**Calcium:**	**656.0**	**32.73**
Sulfate:	**2841.0**	**59.15**	**Strontium:**	**9.0**	**0.21**
Phosphate:			**Barium:**	**0.1**	**0.**
Borate:			**Iron:**	**0.5**	**0.02**
Silicate:			Potassium:	9.0	0.23
			Aluminum:		
Hydrogen Sulfide:		0 PPM	Chromium:		
pH at time of sampling:		6.4	Copper:		
pH at time of analysis:			Lead:		
pH used in Calculation:		**6.4**	Manganese:	0.025	0.
			Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite $CaCO_3$		Gypsum $CaSO_4 * 2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		CO_2 Press
℉	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.

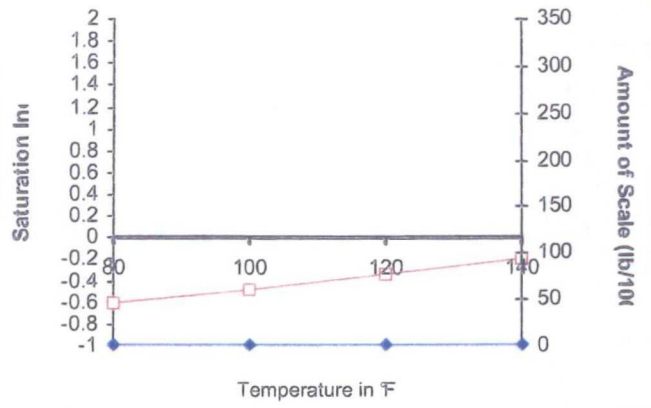
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

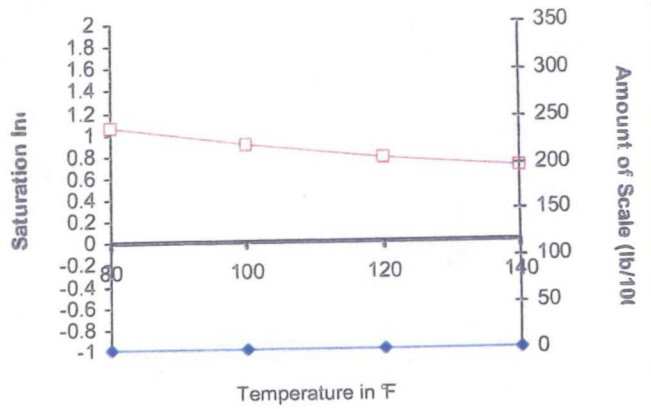
Scale Predictions from Baker Petrolite

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

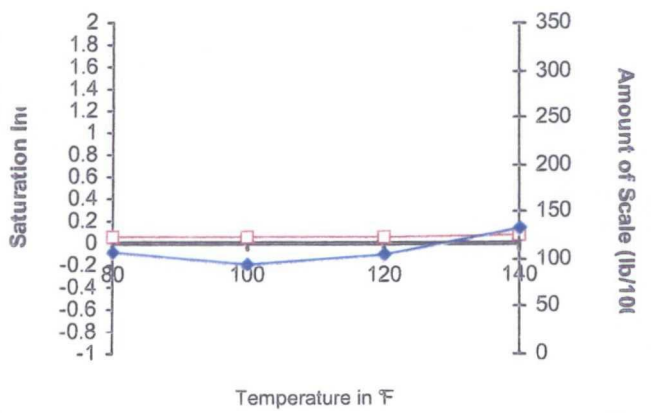
Calcite - CaCO3



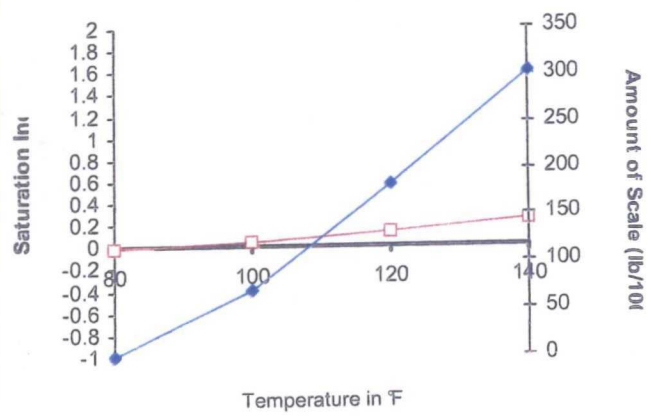
Barite - BaSO4



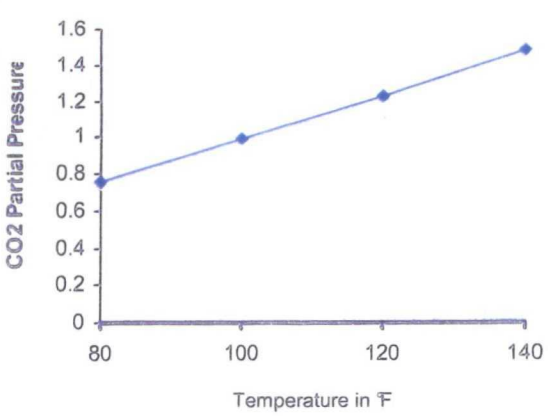
Gypsum - CaSO4*2H20



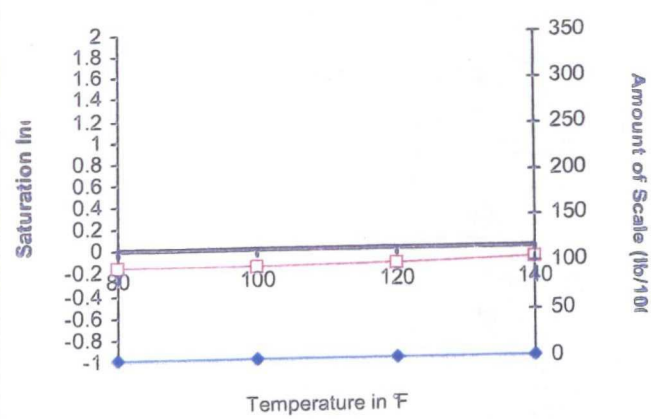
Anhydrite - CaSO4



Carbon Dioxide Partial Pressure



Celestite - SrSO4



Porter, Stephanie

From: Porter, Stephanie
Sent: Thursday, February 07, 2013 7:36 AM
To: kmccarroll@currentargus.com
Cc: Slack, Ronnie
Subject: Legal Notice: Burton Flat Deep Unit SWD 1 & Burton Flat Deep Unit SWD 2 (Devonian)

Kathy,

Would you please run the attached legal notice(s) for 1 day only in the Current Argus and send the affidavit of publication to my attention below:

Devon Energy Production Company, LP
Attn: Stephanie Porter – CT 31.326
333 West Sheridan Drive
Oklahoma City, OK 73102-5010

Send billing to the attention of "Accounts Payable".

Devon Energy Corporation
Attn: DVNOKC98 – Accounts Payable
P.O. Box 3198
Oklahoma City, OK 73101-3198

Can you please let me know the date this will run in the paper?

Thank you and have a wonderful weekend! ☺


Burton Flat Deep Unit SWD 1 Ne...


Burton Flat Deep Unit SWD 2 Ne...

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

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 SWD 1 will be a new drill; proposed location is 330' FSL & 1550' FWL, Section 2, 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/Silurian/Ordovician formation at a depth of 12,155' to 14,500', open hole, at a maximum surface pressure of 2431 psi and a maximum rate of 10,000 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.

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

WELL API NO.	30-015-40987
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	

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" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other	7. Lease Name or Unit Agreement Name: Burton Flat Deep Unit SWD
	8. Well Number: 1
2. Name of Operator: Devon Energy Production Company, L.P.	9. OGRID Number: 6137
3. Address of Operator: 333 W. Sheridan, Oklahoma City, OK 73102 Phone: (405) 552-7970	10. Pool name or Wildcat: SWD; Delaware

4. Well Location
Unit Letter N: 330 feet from the South line and 1550 feet from the West line
Section 2 Township 21S Range 27E NMPM Eddy, County

11. Elevation (*Show whether DR, RKB, RT, GR, etc.*) 3230.0'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: Change to original APD ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Devon Energy Production Company, LP respectfully requests to deepen the depth of the Burton Flat Deep Unit SWD #1 original APD. Please see the attached for a description of the procedure that will be performed.

Attachments:

Procedure Description
Geoprog

RECEIVED
FEB 11 2013
NMOCD ARTESIA

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Erin Workman TITLE: Regulatory Compliance Associate DATE: 02/07/13

Type or print name: Erin Workman E-mail address: Erin.workman@dvn.com PHONE: 405-552-7970

For State Use Only

APPROVED BY: [illegible] TITLE Geologist DATE 2/14/2013

Conditions of Approval (if any):

02/07/13
Burton Flat Deep Unit SWD #1
30-015-40987
Sec. 2-T21S-R27E

Original TD: 5,400'
Original Casing Point: 5,400'
Original Production Casing: 7" 26# P-110 LTC

Original Production Cement Volume:
7" Production Liner
Tail: 500 sacks (50:50) Class H Cement:Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water, 14.5 ppg
Yield: 1.22 cf/

Revised TD: 14,500'
Revised Casing Point: 12,155'
Revised Production Casing: 7" 29# P-110 LTC

Revised Production Cement Volume:
7" Production Liner TD
Lead 6605 ft 675 Sks (65:35) Class C Cement : Poz + 5% bwow Sodium Chloride+ 0.125 #/sk Poly E Flake + 6% bwoc Bentonite @ 12.9 # /Gal
Tail: 3000 ft. 500 sacks (50:50) Class H Cement:Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water, 14.5 ppg
Yield: 1.22 cf/ 25% excess

Geologic Prognosis

PROSPECT NAME:	**Burton Flat Deep Unit SWD #1**		**AFE #xxxxxx**	**API #30-015-40987**
SURFACE LOCATION:	330' FSL & 1550' FWL 02-21S-27E		**GR:** 3230.2	
PROJECTED BHL:	330' FSL & 1550' FWL 02-21S-27E		**Tops called from KB:** 3255.2	
TOTAL PERMITTED DEPTH:	14,500	**PRIMARY OBJECTIVE:**	Devonian/Silurian/Ordovician	
DEPTH TO FRESH WTR:	**20' in Rustler per St Engr Office WATERS on-line database**		**Proposed Unit:**	SWD
BHP: 2300 psi	**BHT: 90 deg F**	(C 03525; NENENE 2-21S/27E)	**Proposed Unit:**	
Pool Name:			**Rig**	**H&P #223 Flex-3**
			Drlg Consultant:	**Mark Petroski/Ronnie Barrett**
				1-575-748-5716 handheld
SWD				**1-575-993-5256 satellite**
Vertical			**Devon Contacts:**	**Kurtis Schmitz**
"4-string" area				**(405) 552-8042 w**
				(405) 420-6775 c
			(Dee Smith 405-552-4780 work, 405-826-2103 cell)	

HARD LINES FOR DIRECTIONAL PLAN:

The only hardline is 330' FSL.

NOTE: Burton Flat Deep Unit 5 was drilled to 11,574' MD and is located ~475' NE of the planned location. The well is P&A'd.

Reference wells: most recently drilled, nearest offsets drilled to a comparable depth, etc. (see correlation tab)

WELL	LOCATION
Devon BFDU #38 (comp 1986)	SESE 2-21S-27E
Monsanto BFDU #5 (comp 1973)	SESW 2-21S-27E
Devon BFDU #37 (comp 1985)	NESE 2-21S-27E
Mewbourne Alacran Hills 11 Fed 1 (comp Apr-2004)	N2SWNW 11-21S-27E

Geological Markers: (estimated formation tops, faults, pressure, lost circulation zones, etc.)

FORMATION *(VERTICAL WELLBORE)*	DEPTH (tvd)	O/G/W	Wellbore path	Penetration Pts (md)	EST. DEPTH (md)
Rustler	Surface	water @ ~20'	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	Surface
Salado (halite)	170	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	170
Base of Salt (change to anhy)	357	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	357
Tansil Dolo	469	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	469
Yates	505	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	505
Lower Yates	623	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	623
Seven Rivers	710	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	710
Capitan	840	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	840
B/Capitan	2755	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	2,755
Delaware	2910	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	2,910
Lower Brushy Canyon	5072	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	5,072
Bone Spring Lm	5305	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	5,305
1st Bone Spring Sand	6557	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	6,557
2nd Bone Spring Lime	6793	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	6,793
2nd Bone Spring Sand	7279	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	7,279
3rd Bone Spring Lime	7745	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	7,745
3rd Bone Spring Sand	8587	Oil	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	8,587
Wolfcamp	9011	Gas	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	9,011
Strawn	10202	Gas	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	10,202
Atoka	10708	Gas	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	10,708
Morrow	11154	Gas	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	11,154
Lower Morrow	11491	Gas	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	11,491
Mississippian	11690	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	11,690
Mississippian Lime	12030	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	12,030
Woodford	12055	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	12,055
Devonian/Silurian/Ordovician	12155	Barren	vertical wellbore	330' FSL & 1550' FWL 02-21S-27E	12,155
PTD	**14,500**				**14,500**

PROBABLE LOGGING PROGRAM:

LOGS	INTERVAL
Schlumberger (PEX w/ HRLA-HNGS, Litho-Density/Neutron)	TD to Top 7" Casing

PROBABLE CORES/DSTs

FORMATION	DEPTH

MUDLOGGING

SERVICE LEVEL	INTERVAL
2-man unit	base surface casing (575') to TD

Known or Potential Hazards/Remarks (pressure, lost circ., faulting): none observed in offsets

From CR 206 (Illinois Camp) and CR 600 (Rains Rd.) go EAST on CR 600 for 1.4 MILES, road turns to caliche. Bend LEFT and go EAST-NORTHEAST 2.0 MILES, bend RIGHT and go EAST 0.4 MILES, turn RIGHT and go SOUTHEAST 0.6 MILES, turn RIGHT and go WEST 270 FT and location is on the LEFT 150 FT.

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

WELL API NO.
30-015-40987

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Burton Flat Deep Unit SWD

8. Well Number 1

1. Type of Well: Oil Well ☐ Gas Well ☒ Other (SWD)

2. Name of Operator
Devon Energy Production Company, L.P.

9. OGRID Number
6137

3. Address of Operator
333 W. Sheridan, Oklahoma City, OK 73102

10. Pool name or Wildcat
SWD; Delaware

4. Well Location
Unit Letter N : 330 feet from the South line and 1550 feet from the West line
Section 2 Township 21S Range 27E NMPM Eddy County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3230.2' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER: Revisions to APD			☒	OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Devon Energy Production Co., respectfully requests to make the following changes:

Proposed Depth should be 5450' instead of 4800'.

7" Production liner will be set from 2850 – 5450'.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Patti Riechers TITLE: Regulatory Specialist DATE: 01/29/2013

Type or print name: Patti Riechers E-mail address: patti.riechers@dvn.com PHONE: 405-228-4248

For State Use Only

APPROVED BY: TR Dade TITLE Dist Engineer DATE 1/30/13

Conditions of Approval (if any):

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

RECEIVED
JAN 16 2013
NMOCD ARTESIA

Form C-101
Revised December 16, 2011

Permit

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1 Operator Name and Address	2 OGRID Number
Devon Energy Production Co., L.P. 333 W. Sheridan Oklahoma City, OK 73102-5015	6137
	3 API Number 30-015-40987

4 Property Code	5 Property Name	6 Well No.
~~302209~~ 39647	Burton Flat Deep Unit SWD P/S	1

7 Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
N	2	21S	27E		330	South	1550	West	Eddy

8 Pool Information

~~Undesignated Delaware~~ SWD; Delaware 96100

Additional Well Information

9 Work Type	10 Well Type	11 Cable/Rotary	12 Lease Type	13 Ground Level Elevation
New Well	SWD		State	3230.2'
14 Multiple	**15 Proposed Depth**	**16 Formation**	**17 Contractor**	**18 Spud Date**
N	4800'	Delaware		
Depth to Ground water	Distance from nearest fresh water well		Distance to nearest surface water	

19 Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	26"	20"	94#	150	420 Cl "C"	0
Int 1	17.5"	13.375"	48#	600	550 Cl "C"	0
Int 2	12.25"	9.625"	40#	2850	830 Cl "C"	0
Prod liner	8.75"	7"	26#	2550 - 4800	500 Cl "H"	2300

Casing/Cement Program: Additional Comments

See Attached

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular Double Ram	3000 3000	3000 3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature: Patti Riechers

Printed name: Patti Riechers

Title: Regulatory Specialist

E-mail Address: patti.riechers@dvn.com

Date: 01/15/2013 Phone: 405-228-4248

OIL CONSERVATION DIVISION

Approved By: T. C. Shepard

Title: Geologist

Approved Date: 1/18/2013 Expiration Date: 1/18/2015

Conditions of Approval Attached

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
JAN 16 2013
NMOCD ARTESIA

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-015-40987	96100	~~Undesignated Delaware~~ SWD; Delaware

4 Property Code	5 Property Name	6 Well Number
39647 ~~302209~~	BURTON FLAT DEEP UNIT SWD	1

7 OGRID No.	8 Operator Name	9 Elevation
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	3230.2

10 Surface Location

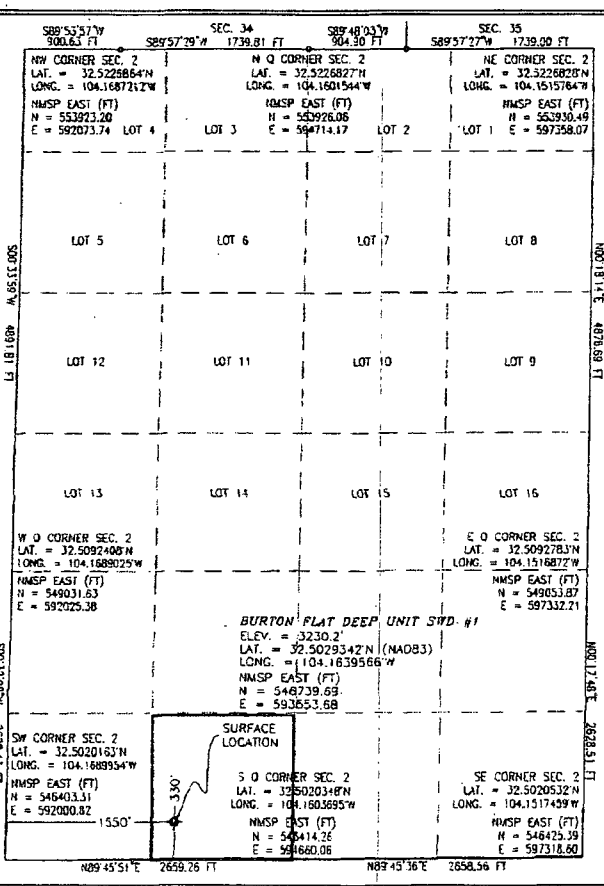
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	21 S	27 E		330	SOUTH	1550	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
40			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Patti Riechers 01/15/2013
Signature Date

Patti Riechers, Regulatory Specialist
Printed Name

patti.riechers@dvn.com
E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 16, 2012
Date of Survey

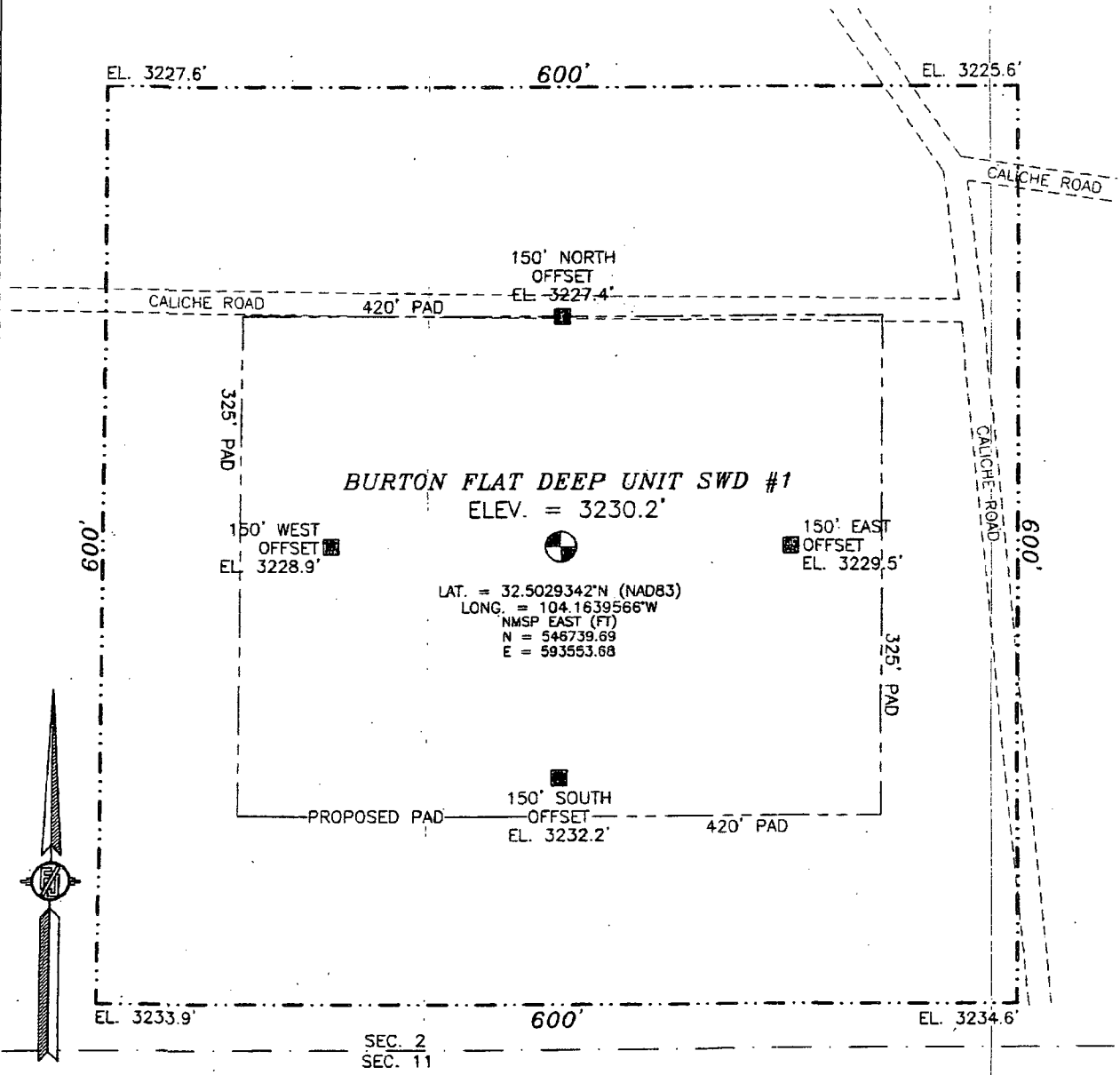
EDWIN F. JARAMILLO
NEW MEXICO
REGISTERED LAND SURVEYOR

Signature and Seal of Professional Surveyor

Certificate Number EDWIN F. JARAMILLO, PLS 12797

BASIN SURVEY NO. 1317

SECTION 2, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



0 10 50 100 200
SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM CR 206 (ILLINOIS CAMP) AND CR 600 (RAINS ROAD) GO EAST ON CR 600, 1.4 MILES, ROAD TURNS TO CALICHE, BEND LEFT AND GO EAST-NORTHEAST 2.0 MILES, BEND RIGHT AND GO EAST 0.4 MILES, TURN RIGHT AND GO SOUTHEAST 0.6 MILES, TURN RIGHT AND GO WEST 270 FT AND LOCATION IS ON THE LEFT 150 FT.

DEVON ENERGY PRODUCTION COMPANY, L.P.
BURTON FLAT DEEP UNIT SWD #1
LOCATED 330 FT. FROM THE SOUTH LINE
AND 1550 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 21 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

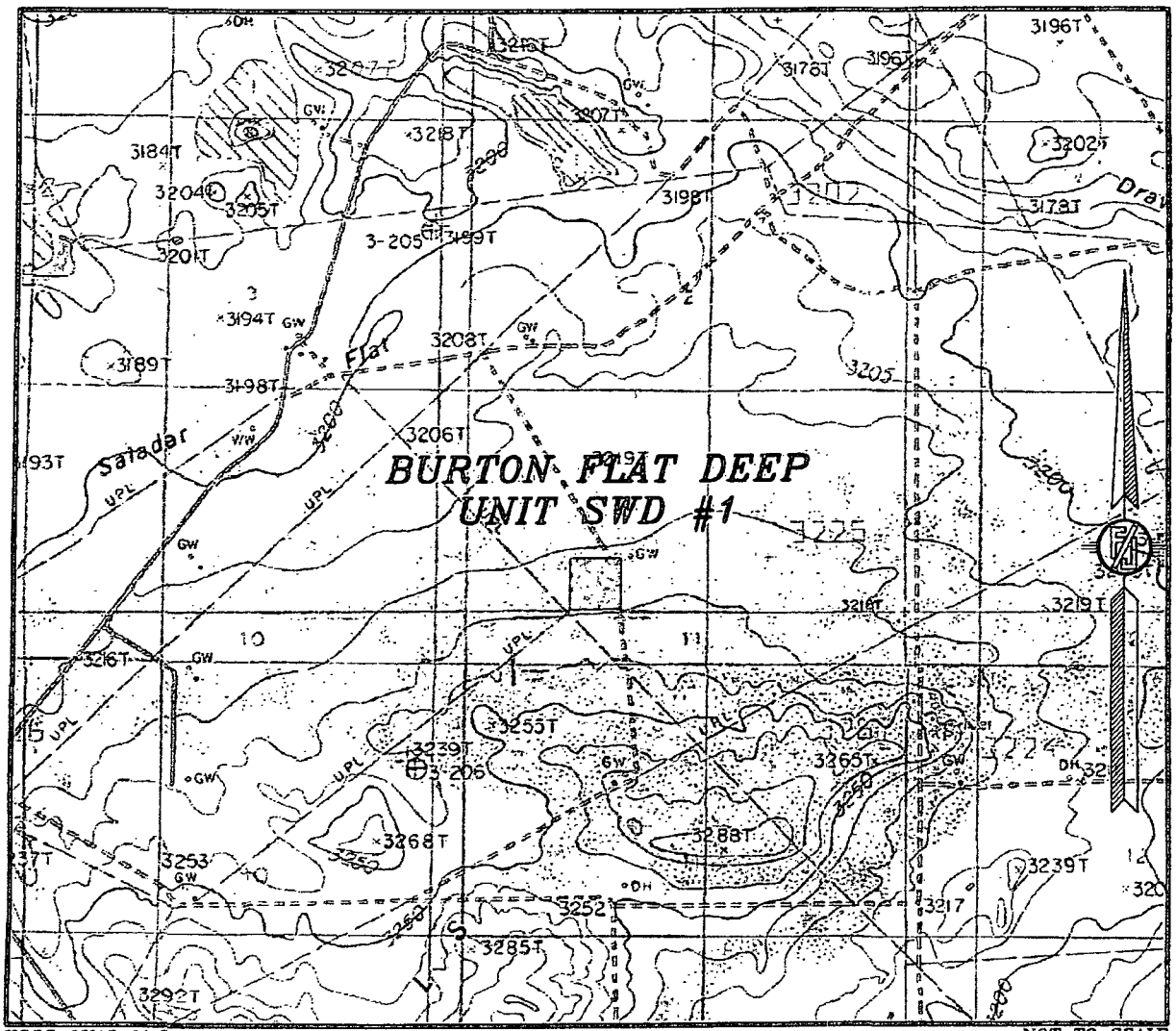
OCTOBER 16, 2012

SURVEY NO. 1317

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

LOCATION VERIFICATION MAP



USGS QUAD MAP:
ANGEL DRAW

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
BURTON FLAT DEEP UNIT SWD #1
LOCATED 330 FT. FROM THE SOUTH LINE
AND 1550 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 21 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

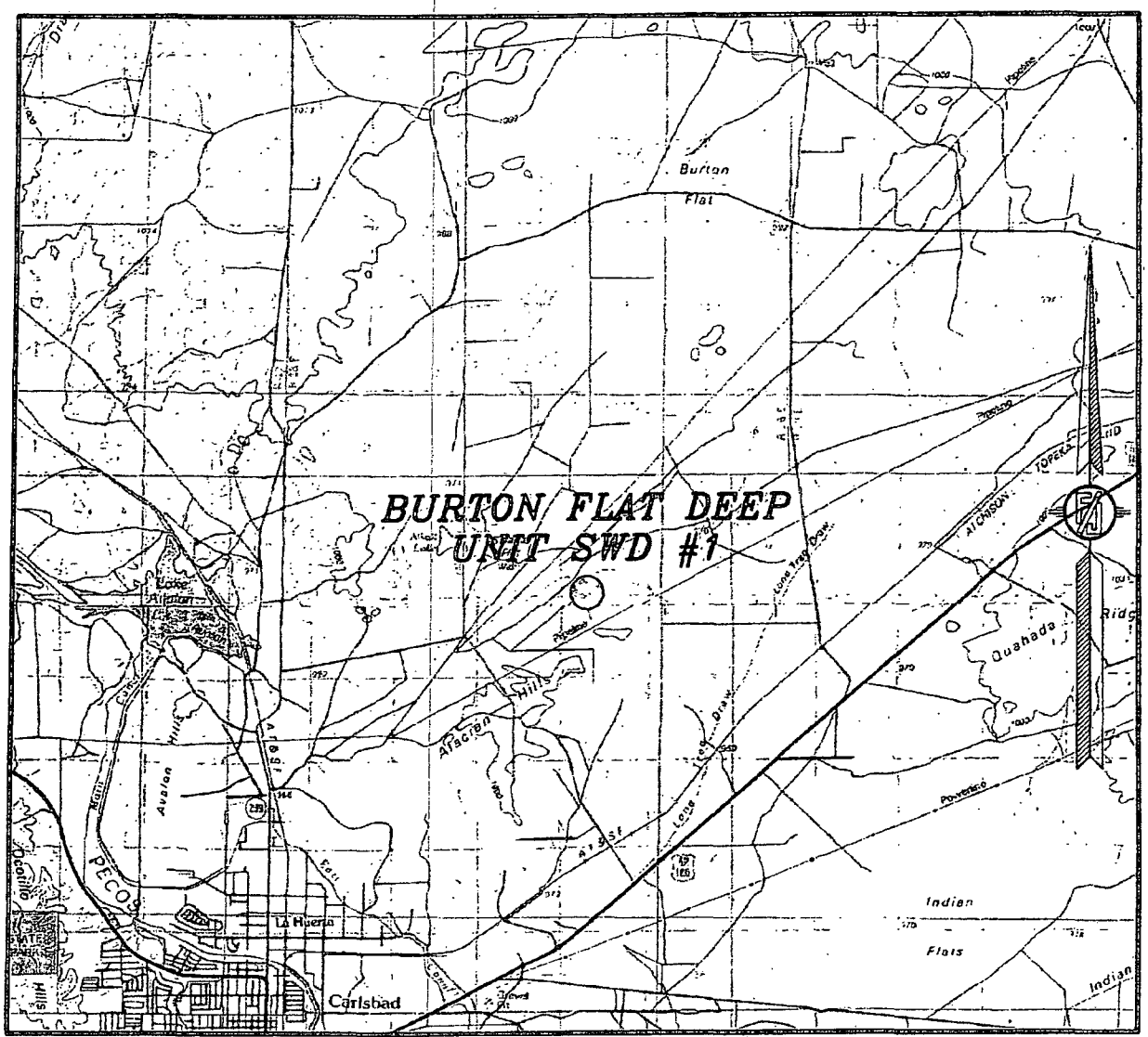
OCTOBER 16, 2012

SURVEY NO. 1317

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
BURTON FLAT DEEP UNIT SWD #1
LOCATED 330 FT. FROM THE SOUTH LINE
AND 1550 FT. FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 21 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

OCTOBER 16, 2012

SURVEY NO. 1317

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

Burton Flat Deep SWD #1–APD DRILLING PLAN
01-02-2013 KKS

Casing Program

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
26"	0 – 150	20"	0 – 150	94#	STC	J-55
17-1/2"	150 – 600	13-3/8"	0 – 600	48#	STC	H-40
12-1/4"	600 -2,850	9-5/8"	0 – 2,850	40#	LTC	J-55
8-3/4"	2,850 – 5,450	7"	2,550 – 5,450	26#	LTC	P-110

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
20" 94# J-55 STC	13.08	18.03	22.13
13-3/8" 48# H-40 STC	2.99	6.72	12.20
9-5/8" 40# J-55 LTC	1.80	2.76	4.73
7" 26# P-110 LTC	1.30	1.71	2.55

The maximum possible collapse load that the intermediate casing will experience will result from evacuated casing with the pore pressure exerting a collapse load at TD. There is no potential for the intermediate casing to be used as the injection string.

Mud Program:

Depth	Mud Wt.	Visc.	Fluid Loss	Type System
0 – 150	8.4 – 9.0	30 – 34	N/C	FW
150 – 600	9.8 – 10.0	28 – 32	N/C	Brine
600 – 2,850	8.4 – 9.0	28 – 30	N/C	FW
2,850– 5,450	9.8 – 10.0	28 – 32	N/C-12	FW

Pressure Control Equipment:

The BOP system used to drill the **17-1/2"** hole will consist of a **20" 2M Annular preventer**. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **2M system** prior to drilling out the casing shoe.

The BOP system used to drill the **12-1/4" and 8-3/4"** holes will consist of a **13-5/8" 3M Double Ram and Annular preventer**. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a **3M system** prior to drilling out the casing shoe.

The pipe rams will be operated and checked as per Onshore Order No 2. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at **3,000 psi WP**.

20" Surface 150 ft Tail 420 sks Class C Cement +2% Calcium Chloride +3#Kol seal/sk @ 14.8 #/ gal.

Yield 1.35 cf/sk. 150% excess

13-3/8" 1st Intermediate 600 ft. Lead: 300 ft. 240 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 4% bwoc Bentonite + 70.1% Fresh Water, 13.5 ppg

Yield: 1.75 cf/sk

Tail:300 ft 310 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Poly-E-Flake + 63.1% Fresh Water, 14.8 ppg

Yield: 1.35 cf/sk

9-5/8" 2nd Intermediate 2850 ft. Lead:1850 ft 470 sacks (65:35) Class C Cement:Poz (Fly Ash): + 5% bwow Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 6% bwoc Bentonite + 70.9% Fresh Water, 12.9 ppg

Yield: 1.85 cf/sk

Tail:1000ft. 360 sacks Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Water, 14.8 ppg

Yield: 1.33 cf/sk

7" Production Liner 5450ft

Tail: 500 sacks (50:50) Class H Cement:Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.1% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water, 14.5 ppg

Yield: 1.22 cf/

TOC for All Strings:

Surface:	0
1st.Intermediate:	0
2nd. Intermediate	0
Production:	2,300 ft

ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.

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 W. Sheridan OKC, OK 73102-8260
Facility or well name: Burton Flat Deep Unit SWD 1
API Number 30-015-40987 OCD Permit Number: 213830
U/L or Qtr/Qtr N Section 2 Township 21 S Range 27 E 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

RECEIVED
JAN 16 2013
NMOCD ARTESIA

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 indentify 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): Patti Riechers Title: Regulatory Specialist
Signature: Patti Riechers Date: 1/15/2013
e-mail address: Patti.Riechers@dvn.com Telephone: 405.228.4248

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

OCD Representative Signature: Fi Dade **Approval Date:** 1/23/13

Title: Dist II Supervisor **OCD Permit Number:** 213830

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 indentify 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.

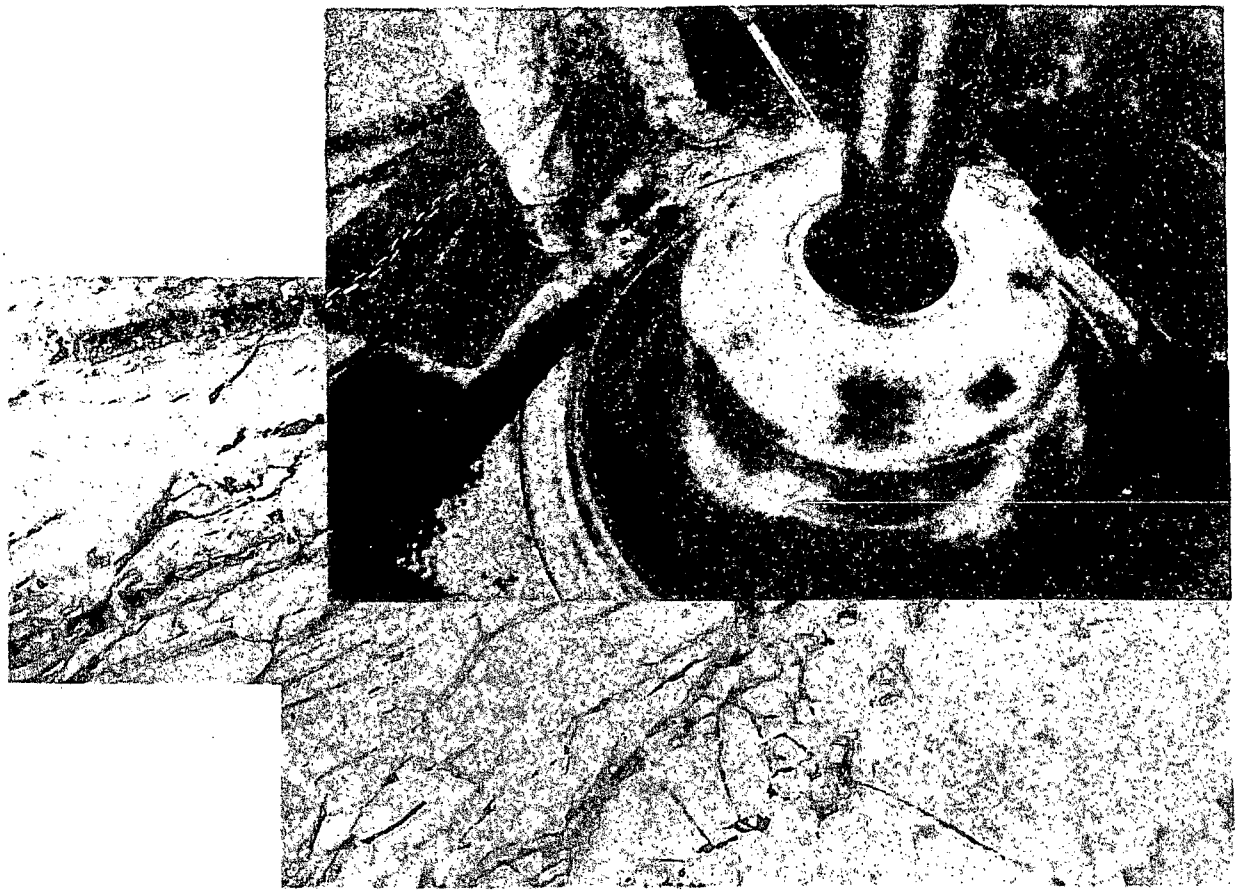
Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

devon

Commitment Runs Deep



Design Plan
Operation and Maintenance Plan
Closure Plan

DENM - Closed Loop Systems
June 2010

I. Design Plan

Devon uses MI SWACO closed loop system (CLS). The MI SWACO CLS is designed to maintain drill solids at or below 5%. The equipment is arranged to progressively remove solids from the largest to the smallest size. Drilling fluids can thus be reused and savings is realized on mud and disposal costs. Dewatering may be required with the centrifuges to insure removal of ultra fine solids.

The drilling location is constructed to allow storm water to flow to a central sump normally the cellar. This insures no contamination leaves the drilling pad in the event of a spill. Storm water is reused in the mud system or stored in a reserve fluid tank farm until it can be reused. All lubricants, oils, or chemicals are removed immediately from the ground to prevent the contamination of storm water. An oil trap is normally installed on the sump if an oil spill occurs during a storm.

A tank farm is utilized to store drilling fluids including fresh water and brine fluids. The tank farm is constructed on a 20 ml plastic lined, bermed pad to prevent the contamination of the drilling site during a spill. Fluids from other sites may be stored in these tanks for processing by the solids control equipment and reused in the mud system. At the end of the well the fluids are transported from the tank farm to an adjoining well or to the next well for the rig.

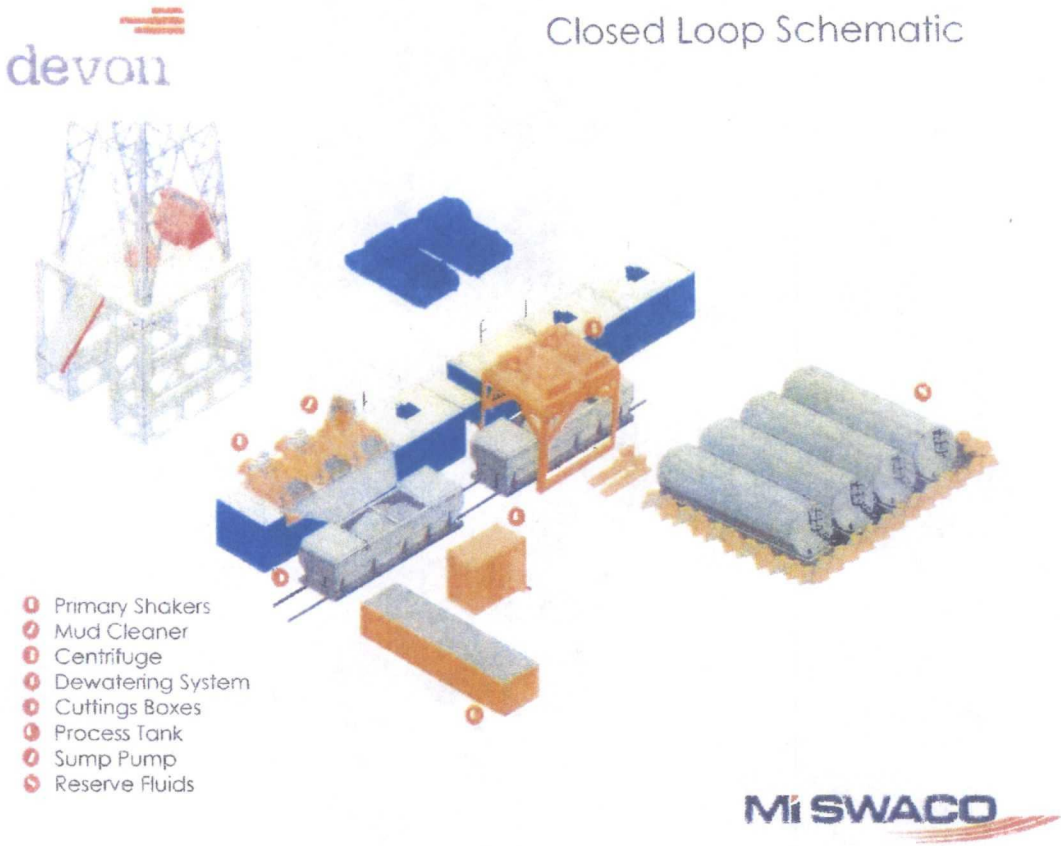
Prior to installing a closed-loop system on site, the topsoil, if present, will be stripped and stockpiled for use as the final cover or fill at the time of closure.

Signs will be posted on the fence surrounding the closed-loop system unless the closed-loop system is located on a site where there is an existing well, that is operated by Devon.

II. Operations and Maintenance Plan

Primary Shakers: The primary shakers make the first removal of drill solids from the drilling mud as it leaves the well bore. The shakers are sized to handle maximum drilling rate at optimal screen size. The shakers normally remove solids down to 74 microns.

Mud Cleaner: The Mud Cleaner cleans the fluid after it leaves the shakers. A set of hydrocyclones are sized to handle 1.25 to 1.5 times the maximum circulating rate. This ensures all the fluid is being processed to an average cut point of 25 microns. The wet discharged is dewatered on a shaker equipped with ultra fine mesh screens and generally cut at 40 microns.



Centrifuges: The centrifuges can be one or two in number depending on the well geometry or depth of well. The centrifuges are sized to maintain low gravity solids at 5% or below. They may or may not need a dewatering system to enhance the removal rates. The centrifuges can make a cut point of 8-10 microns depending on bowl speed, feed rate, solids loading and other factors.

The centrifuge system is designed to work on the active system and be flexible to process incoming fluids from other locations. This set-up is also dependant on well factors.

Dewatering System: The dewatering system is a chemical mixing and dosing system designed to enhance the solids removal of the centrifuge. Not commonly used in shallow wells. It may contain pH adjustment, coagulant mixing and dosing, and polymer mixing and dosing. Chemical flocculation binds ultra fine solids into a mass that is within the centrifuge operating design. The

dewatering system improves the centrifuge cut point to infinity or allows for the return of clear water or brine fluid. This ability allows for the ultimate control of low gravity solids.

Cuttings Boxes: Cuttings boxes are utilized to capture drill solids that are discarded from the solids control equipment. These boxes are set upon a rail system that allows for the removal and replacement of a full box of cuttings with an empty one. They are equipped with a cover that insures no product is spilled into the environment during the transportation phase.

Process Tank: (Optional) The process tank allows for the holding and process of fluids that are being transferred into the mud system. Additionally, during times of lost circulation the process tank may hold active fluids that are removed for additional treatment. It can further be used as a mixing tank during well control conditions.

Sump and Sump Pump: The sump is used to collect storm water and the pump is used to transfer this fluid to the active system or to the tank for to hold in reserve. It can also be used to collect fluids that may escape during spills. The location contains drainage ditches that allow the location fluids to drain to the sump.

Reserve Fluids (Tank Farm): A series of frac tanks are used to replace the reserve pit. These are steel tanks that are equipped with a manifold system and a transfer pump. These tanks can contain any number of fluids used during the drilling process. These can include fresh water, cut brine, and saturated salt fluid. The fluid can be from the active well or reclaimed fluid from other locations. A 20 ml liner and berm system is employed to ensure the fluids do not migrate to the environment during a spill.

If a leak develops, the appropriate division district office will be notified within 48 hours of the discovery and the leak will be addressed. Spill prevention is accomplished by maintaining pump packing, hoses, and pipe fittings to insure no leaks are occurring. During an upset condition the source of the spill is isolated and repaired as soon as it is discovered. Free liquid is removed by a diaphragm pump and returned to the mud system. Loose topsoil may be used to stabilize the spill and the contaminated soil is excavated and placed in the cuttings boxes. After the well is finished and the rig has moved, the entire location is scrapped and testing will be performed to determine if a release has occurred.

All trash is kept in a wire mesh enclosure and removed to an approved landfill when full. All spent motor oils are kept in separate containers and they are removed and sent to an approved recycling center. Any spilled lubricants, pipe

dope, or regulated chemicals are removed from soil and sent to landfills approved for these products.

These operations are monitored by Mi Swaco service technicians. Daily logs are maintained to ensure optimal equipment operation and maintenance. Screen and chemical use is logged to maintain inventory control. Fluid properties are monitored and recorded and drilling mud volumes are accounted for in the mud storage farm. This data is kept for end of well review to insure performance goals are met. Lessons learned are logged and used to help with continuous improvement.

A MI SWACO field supervisor manages from 3-5 wells. They are responsible for training personnel, supervising installations, and inspecting sites for compliance of MI SWACO safety and operational policy.

III. Closure Plan

A maximum 340' X 340' caliche pad is built per well. All of the trucks and steel tanks fit on this pad. All fluid cuttings go to the steel tanks to be hauled by various trucking companies to an agency approved disposal.

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Friday, March 01, 2013 11:46 AM
To: Porter, Stephanie
Cc: Ezeanyim, Richard, EMNRD; Sharp, Karen, EMNRD; Gallegos, Denise, EMNRD; Shapard, Craig, EMNRD; Kautz, Paul, EMNRD
Subject: Disposal application from Devon: Burton Flat Deep Unit SWD #1 30-015-40987

Hello Stephanie,
Thanks for the wonderful job on this application – and also thanks to your geologist for the writeup, I appreciate the work that was done!

Would you send the actual newspaper notice as posted in the newspaper?

Also, appears to be a Division Rule 19.15.5.9 issue that would stop the disposal permit from being issued:
https://wwwapps.emnrd.state.nm.us/OCD/OCDPermitting/Report/Stats/InactiveWellFinancialAssuranceReport.aspx?Operator=6137
Cotton Draw Unit #67 (30-015-20210) shows a single well bond may be needed. Sometimes this is a false alarm. Would you call the Karen Sharp or Randy Dade in Artesia district office to confirm yes or no and let me know?
If a bond is needed, please post with Denise Gallegos, our bonding coordinator in Santa Fe. – let me know in any case so I will be allowed to release this permit.

Thank You!

William V. Jones, P.E.
505-476-3448W 505-476-3462F
Engineering Bureau, Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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:

February 15 2013

That the cost of publication is **$60.07** and that payment thereof has been made and will be assessed as court costs.

Kathy McCarroll

Subscribed and sworn to before me this

19 day of February, 2013

Cynthia Arredondo

My commission Expires on 2/13/17

Notary Public

OFFICIAL SEAL
Cynthia Arredondo
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 2/13/17

February 15, 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 SWD 1 will be a new drill; proposed location is 330' FSL & 1550' FWL, Section 2, 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/Silurian/Ordovician formation at a depth of 12,155' to 14,500', open hole, at a maximum surface pressure of 2431 psi and a maximum rate of 10,000 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.

Injection Permit Checklist: Received 1/14/13 First Email Date: 3/1/13 irregular Final Reply Date: _____ Final Notice Date: 2/13/13

Issued Permit: Type:WFX/PMX/SWD, Number: 1403 Permit Date 3/5/13 (Legacy Permit: —)

Wells 1 Well Name(s): BURTON FLAT Deep UNIT SWD #1

API Num: 30-0 15-40987 Spud Date: Not Yet New/Old: N (UIC CI II Primacy March 7, 1982)

Footages 330 FSL/1550 FWL Lot ___ Unit N Sec 2 Tsp 21S Rge 27E County EDDY

General Location or Pool Area:

Operator: Devon Energy Production Company, LP Contact Stephanie Porter

OGRID: 6137 RULE 5.9 Compliance (Wells) 6/1731 (Finan Assur) OK IS 5.9 OK? ✓

Well File Reviewed ✓ Current Status: NOT Drilled

Planned Work to Well:

Diagrams: Before Conversion ✓ After Conversion ✓ Are Elogs in Imaging?: Will BE Sent

Well Details:	Sizes Hole.....Pipe	Setting Depths	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned ✓ or Existing __ **Surface**	26 – 20"	150'	—	420 SK	CIRC
Planned ✓ or Existing __ **Interm**	17½ – 13⅜	600'	—	550 SK	CIRC
Planned ✓ or Existing __ **LongSt** (Inter)	12¼ – 9⅝	2850'	—	830 SK	CIRC
Planned ✓ or Existing __ **Liner**	8¾ 7"	2550 to 12155		1175 SK	TOP of LINER
Planned ✓ or Existing __ **OpenHole**	8¾"	12155 – 14500			

Depths/Formations:	Depths, Ft.	Formation	Tops?	
Above				
Above	12155	Dev	✓	
Proposed Interval TOP:	12,155	DEVSL		Max. PSI 2430 OpenHole ✓ Perfs ___
Proposed Interval BOTTOM:	14,500	ORD.		Tubing Size 3½ Packer Depth 12,105'
Below				
Below				

840-2755'

Capitan Reef? (in ___/thru ✓), ~~Potash? Noticed?~~ ~~[WIPP? Noticed?~~ Salado Top 170 Bot 357 ~~Cliff House?~~

Fresh Water: MaxDepth: 30-150' FW Formation _____ Wells? yes Analysis? yes Affirmative Statement ✓

Disposal Fluid: Formation Source(s) Del / B.S. On Lease ___ Only from Operator ✓ or Commercial ___

Disposal Interval: Protectable Waters? NO H/C Potential: Log ___ /Mudlog ___ /DST ___ /Tested ✓ /Depleted ___ Other offset ✓ See write up

Notice: Newspaper Date 2/10/13 MineralOwner — Surface Owner BLM N. Date 2/13/13

RULE 26.7(A) Identified Tracts? ___ Affected Persons: See LST N. Date 2/13/13

AOR: Maps? ✓ Well List? ✓ Producing in Interval? NO Formerly Produced in Interval? NO

Penetrating.....No. Active Wells 0 Num Repairs? 0 on which well(s)? —

Penetrating.....No. P&Aed Wells 6 Num Repairs? 0 on which well(s)? — Diagrams? ✓

Permit Conditions:

Issues:

Issues:

Issues: