

DATE IN 09/13/13	SUSPENSE	ENGINEER <i>[Signature]</i>	LOGGED IN 09/16/13	TYPE SWD	APP NO. PPRG1325960572
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

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

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

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

[D] Other: Specify _____

Devon
API-pending
K/16/24S/27E
Black River 16 SWD #1

2013 SEP 13 P 1:12
 RECEIVED OGD

Devonian
Ordovician

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

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners**
- [B] ☒ Offset Operators, Leaseholders or Surface Owner**
- [C] ☒ Application is One Which Requires Published Legal Notice**
- [D] ☒ Notification and/or Concurrent Approval by BLM or SLO**
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,**
- [F] ☐ Waivers are Attached**

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

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

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

Stephanie A. Porter
 Print or Type Name

[Signature]
 Signature

Operations Technician
 Title

9/12/2013
 Date

Stephanie.Porter@dmv.com
 e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance ☒ Disposal _____ Storage
Application qualifies for administrative approval? ☒ Yes _____ No
- II. OPERATOR: _____ Devon Energy Production Company, LP _____
ADDRESS: _____ 333 West Sheridan Avenue, Oklahoma City, Oklahoma 73102-5010 _____
CONTACT PARTY: _____ Stephanie A. Porter _____ PHONE: _____ 405-552-7802
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes ☒ No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: _____ Stephanie A. Porter _____ TITLE: _____ Operations Technician _____
SIGNATURE: _____ DATE: _____ 07/16/03 _____
E-MAIL ADDRESS: _____ Stephanie.Porter@dmr.com _____
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

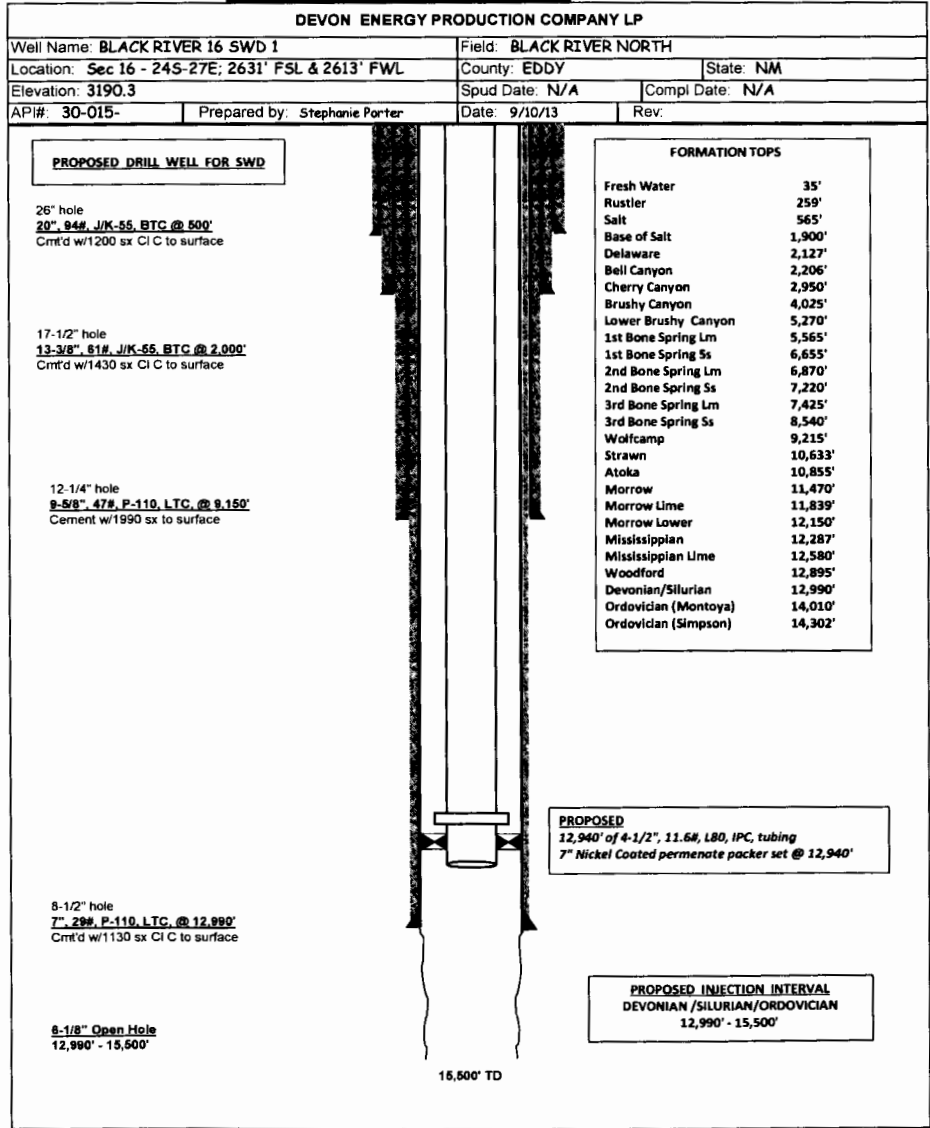
INJECTION WELL DATA SHEET

OPERATOR: Devon Energy Production Company, LP

WELL NAME & NUMBER: BLACK RIVER 16 SWD #1

WELL LOCATION: 2631' FSL & 2613' FWL K Sec 16 T24S R27E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 26" Casing Size: 20", 94# @ 500'
Cemented with: 1200 sx. or ft³
Top of Cement: Surface Method Determined: Circ. cement

Intermediate Casing

Hole Size: 17-1/2" Casing Size: 13-3/8", 61#, @ 2000'
Cemented with: 1430 sx. or ft³
Top of Cement: Surface Method Determined: Circ. cement

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8", 47#, @ 9150'
Cemented with: 1990 sx. or ft³
Top of Cement: Surface Method Determined: Circ. cement

Production Casing

Hole Size: 8-1/2" Casing Size: 7", 29#, @ 12990'
Cemented with: 1130 sx. or ft³
Top of Cement: Surface Method Determined: Circ cement

Total Depth: 15500' 14622 Injection Interval (Open Hole)
+100 12990' to 15500' +100
14722 (Perforated or Open Hole; indicate which) 14722

INJECTION WELL DATA SHEET

Tubing Size: 4-1/2" Lining Material: IPC

Type of Packer: 7" Nickel Coated Arrowset Packer

Packer Setting Depth: +/- 12940'

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:

Fresh Water 35; Rustler 259; Salt 565 (Barren); Base of Salt (chg to anhy) 1900 (Barren); Delaware 2127 (Barren); Bell Canyon 2206 (Oil); Cherry Canyon 2950 (Oil); Brushy Canyon 4025 (Oil); Lower Brushy Canyon 5270 (Oil); 1st Bone Spring Lm 5565 (Oil); 1st Bone Spring Ss 6655 (Oil); 2nd Bone Spring Lm 6870 (Oil); 2nd Bone Spring Ss 7220 (Oil); 3rd Bone Spring Lm 7425 (Oil); 3rd Bone Spring Ss 8540 (Oil); Wolfcamp 9215 (Gas); Strawn 10633 (Gas); Atoka 10855 (Gas); Morrow 11470 (Gas); Morrow Lime 11839 (Gas); Morrow Lower 12150 (Gas); Mississippian 12287 (Gas); Mississippian Lime 12580 (Gas); Woodford 12895 (Barren); Devonian/Silurian 12990 (Barren); Ordovician (Montoya) 14010 (Barren); Ordovician (Simpson) 14302 (Barren); Ordovician (Ellenburger) 14622 (Barren)

Remove Lower Ellenburger - Top 100'

Proposed Injection Well: Black River 16 SWD #1

API: 30-015-

APPLICATION FOR INJECTION

Form C-108 Section III

III. Well Data--On Injection Well

A. Injection Well Information

- (1) Lease Black River 16 SWD
Well No #1
Location 2631' FSL & 2613' FWL
Sec.Twn,Rnge Sec 16-T24S-R27E
Cnty, State Eddy County, NM
- (2) Casing 20", 94#, J/K-55,BTC, @ 500'
Cmt'd w/1200 sx, circ cmt to surf

13-3/8", 61#, J/K, BTC, @ 2000'
Cmt'd w/1430 sx, circ cmt to surf

9-5/8", 47#, P-110, LTC, @ 9150'
Cmt'd w/1990, circ cmt to surf

7", 29#, P110, LTC @ 12990'
Cmt w/1130 sx, circ cmt to surf
- (3) Injection Tubing 4 -1/2" IPC injection tubing
- (4) Packer 7" Nickel Coated Arrowset Packer @ +/- 12940'

B. Other Well Information

- (1) Injection Formation: Devonian/Silurian/Ordovician
Field Name: (to be assigned)
- (2) Injection Interval: 12990 - 15500'

(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.

Fresh Water 35; Rustler 259; Salt 565 (Barren); Base of Salt (chg to anhy) 1900 (Barren); Delaware 2127 (Barren); Bell Canyon 2206 (Oil); Cherry Canyon 2950 (Oil); Brushy Canyon 4025 (Oil); Lower Brushy Canyon 5270 (Oil); 1st Bone Spring Lm 5565 (Oil); 1st Bone Spring Ss 6655 (Oil); 2nd Bone Spring Lm 6870 (Oil); 2nd Bone Spring Ss 7220 (Oil); 3rd Bone Spring Lm 7425 (Oil); 3rd Bone Spring Ss 8540 (Oil); Wolfcamp 9215 (Gas); Strawn 10633 (Gas); Atoka 10855 (Gas); Morrow 11470 (Gas); Morrow Lime 11839 (Gas); Morrow Lower 12150 (Gas); Mississippian 12287 (Gas); Mississippian Lime 12580 (Gas); Woodford 12895 (Barren); Devonian/Silurian 12990 (Barren); Ordovician (Montoya) 14010 (Barren); Ordovician (Simpson) 14302 (Barren); Ordovician (Ellenburger) 14622 (Barren)

Proposed Injection Well: Black River 16 SWD #1
API: 30-015-
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: 1299 psi
Proposed max injection pressure: 2598 psi
- (4) The injection fluid will be produced water from area wells producing from the Bone Springs and/or Delaware formations that will be injected into the Devonian/Silurian/Ordovician formation.
- (5) A representative water analysis cannot be provided for the Delaware & Bone Spring formation(s).

VIII Geologic Injection Zone Data

The injection zone is the Devonian/Silurian/Ordovician formation from 12990' to 15500'. The gross injection interval is 2510' thick. The Devonian/Silurian/Ordovician formation is a Permian aged sandstone. The average depth to fresh water is 35' 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 proposed well, representative analysis have been provided. See documentation.

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/Ordovician



Raleigh Blumstein, Geologist
Direct #: (405)-552-3359
Cell #: (405)-635-7903

10/28/13
Date:

XIII Proof of Notice

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

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

Field or Pool Name (if known):

Injection Interval: **12,990'-15,500' open hole**

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

Depth to Ground Water: **35' (C 00850; NESW 09-24S-27E)**

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 - **Mississippian (12,323')**; Next Lower - **N/A**

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

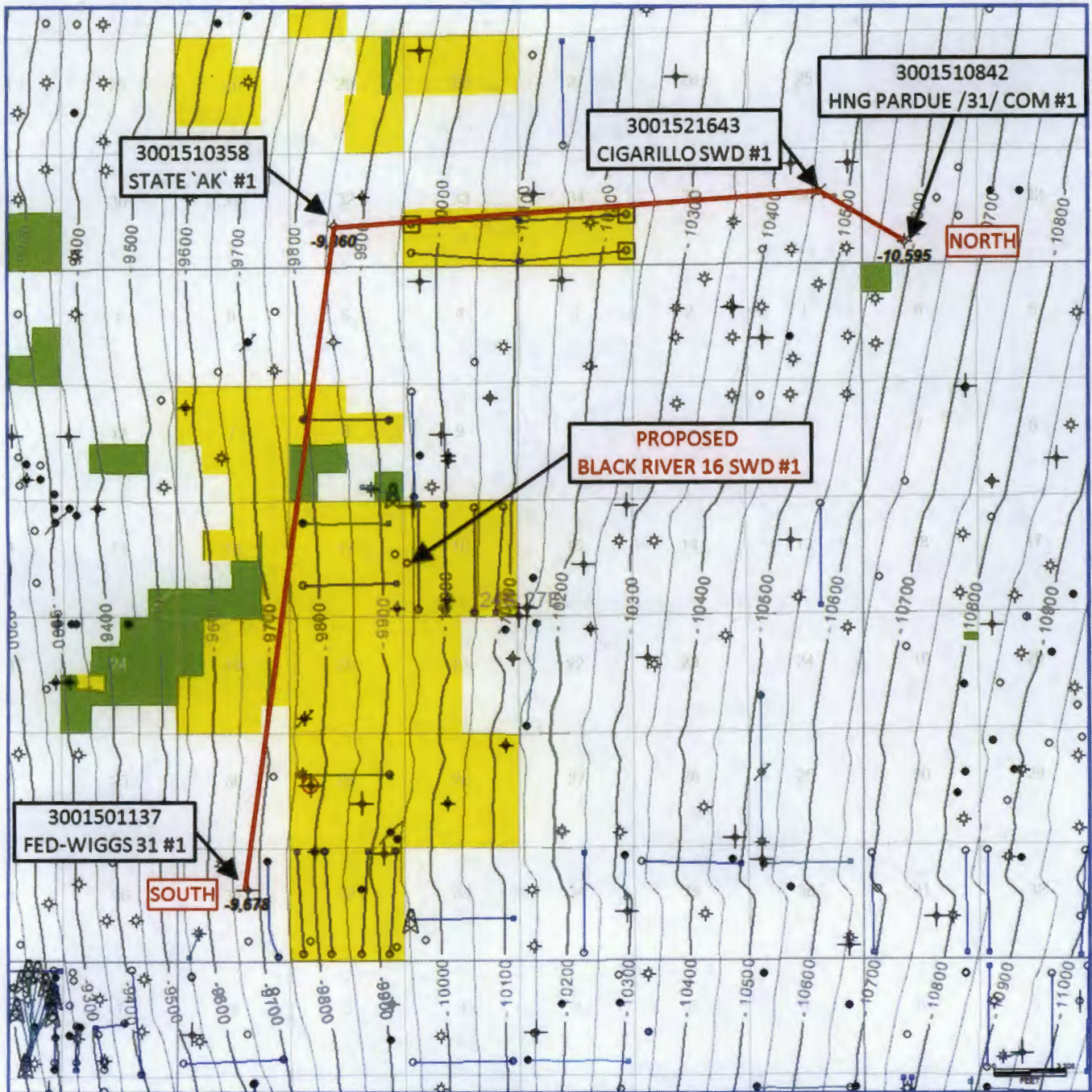
Disposal water will be sourced from area wells from the **Bone Spring and/or Delaware** formation(s).

Black River 16 SWD #1 (2427' FNL & 904' FWL 29-24S-27E; PTD 15500')

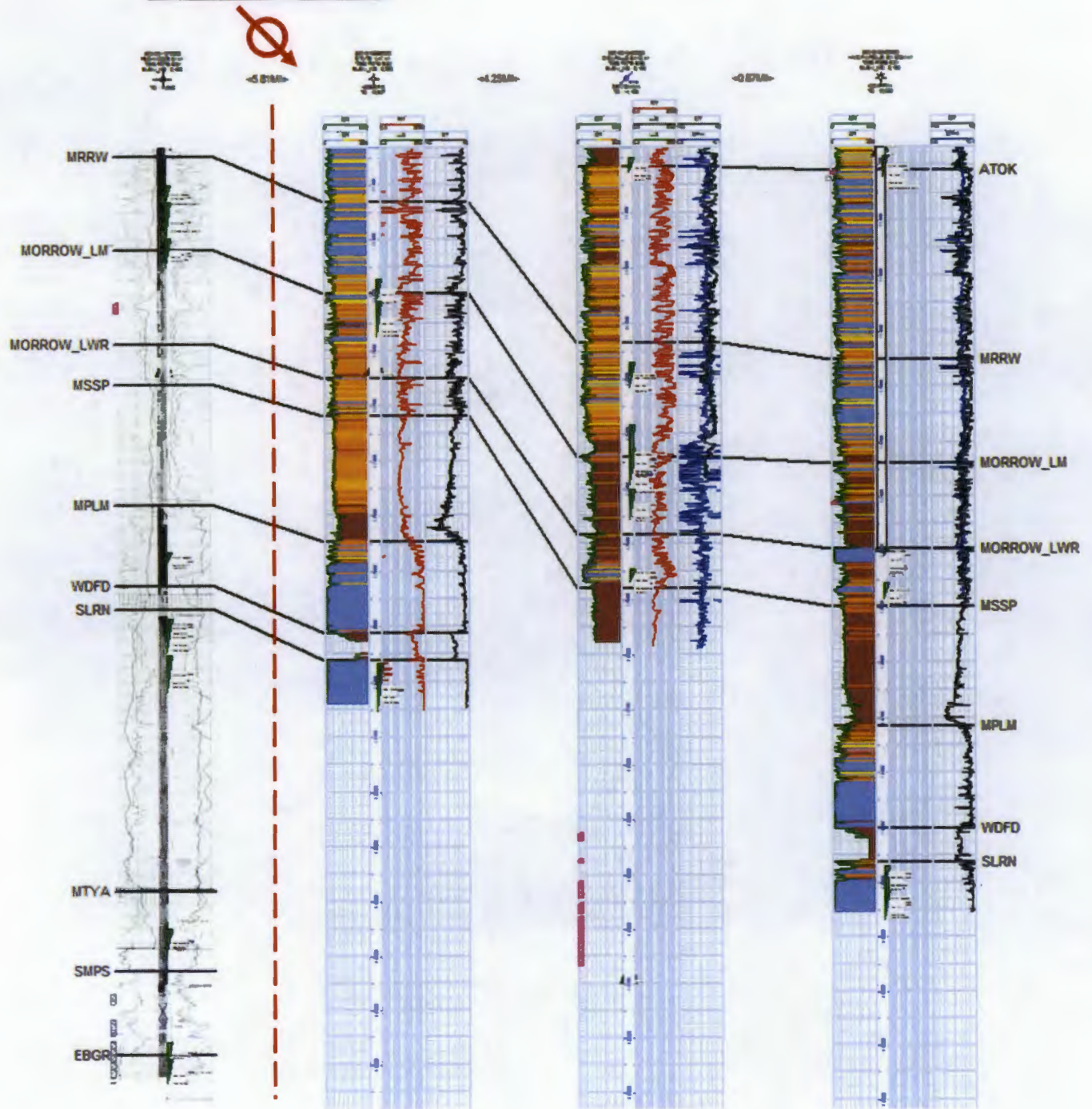
The proposed interval for disposal per the Black River 16 SWD #1 APD is the Devonian/Silurian/Ordovician from 12,990' to 15,500'. A review of the wells surrounding the drill site shows that the closest Devonian/Silurian/Ordovician penetrations are the Fed-Wiggs 31 #1 in 31-T24S-27E (3.15 miles SSW), State 'AK' #1 in 32-T23S-R27E (2.97 miles NNW), Cigarillo SWD #1 in 36-T23S-R27E (4.85 miles NE), and HNG Pardue /31/ Com #1 in 31-T23S-R28E (5.20 miles NE). These wells are shown on the subsequent map and cross-section along with the proposed re-entry of the Black River 16 SWD #1. These wells tested the Devonian/Silurian/Ordovician in some capacity or are actively disposing in subject interval. None of the DST 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. Fed-Wiggs 31 #1 (API# 3001501137)
 - a. Well is 3.15 miles from proposed Black River 16 SWD #1 and ~350 FT updip
 - b. Five (5) DSTs were performed in the Devonian/Silurian/Ordovician
 - i. DST #1 from 13,174-13,286 FT Recovered 1147 FT (WB), 650 FT (M), 2080 FT (MCXW), 3500 FT (SXW)
 - ii. DST #2 from 13,302-13,432 FT Recovered 1360 FT (W), 4370 FT (M), 837 FT (MCW), 5450 FT (SXW)
 - iii. DST #3 from 14,294-14,380 FT Recovered 3000 FT (WB), 550 FT (M)
 - iv. DST #4 from 14,714-14,790 FT Recovered 30 FT (M)
 - v. DST #5 from 14,777-14,865 FT Recovered 3000 FT (WB), 837 FT (M), 2325 FT (XW)
2. State 'AK' #1 (API# 3001510358)
 - a. Well is 4.82 miles from proposed Black River 16 SWD #1 and ~80 FT updip
 - b. One (1) DST was performed in the Devonian/Silurian
 - i. DST #1 from 13,145-13,307 FT Recovered 3300 FT (WB), 1200 FT (XZW)
3. Cigarillo SWD #1 (API# 3001521643)
 - a. Well is 6.78 miles from proposed Black River 16 SWD #1 and ~500 FT downdip
 - b. No DSTs were performed in the Devonian/Silurian, however the well is currently disposing in the Devonian/Silurian/Ordovician from 13,650-14,130 FT
4. HNG Pardue /31/ Com #1 (API# 3001510842)
 - a. Well is 7.0 miles from proposed Black River 16 SWD #1 and ~640 FT downdip
 - b. Two (2) DSTs were performed in Devonian/Silurian
 - i. DST #1 from 13,741-13,790 FT Recovered 2000 FT (WB), 95 FT (M)
 - ii. DST #2 from 13,824-13,935 FT Recovered 2000 FT (WB), 1000 FT (MCZW)

REGIONAL TOP DEVO/SILURIAN STRUCTURE MAP
(C.I. = 50 ft)



PROPOSED
BLACK RIVER 16 SWD #1



DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BLACK RIVER 16 SWD 1	Field: BLACK RIVER NORTH
Location: Sec 16 - 24S-27E; 2631' FSL & 2613' FWL	County: EDDY State: NM
Elevation: 3190.3	Spud Date: N/A Compl Date: N/A
API#: 30-015-	Prepared by: Stephanie Porter Date: 9/10/13 Rev:

PROPOSED DRILL WELL FOR SWD

26" hole

20", 94#, J/K-55, BTC @ 500'

Cmt'd w/1200 sx CI C to surface

17-1/2" hole

13-3/8", 61#, J/K-55, BTC @ 2,000'

Cmt'd w/1430 sx CI C to surface

12-1/4" hole

9-5/8", 47#, P-110, LTC, @ 9,150'

Cement w/1990 sx to surface

8-1/2" hole

7", 29#, P-110, LTC, @ 12,990'

Cmt'd w/1130 sx CI C to surface

6-1/8" Open Hole

12,990' - 15,500'

modified TD

15,500' TD

FORMATION TOPS

Fresh Water	35'
Rustler	259'
Salt	565'
Base of Salt	1,900'
Delaware	2,127'
Bell Canyon	2,206'
Cherry Canyon	2,950'
Brushy Canyon	4,025'
Lower Brushy Canyon	5,270'
1st Bone Spring Lm	5,565'
1st Bone Spring Ss	6,655'
2nd Bone Spring Lm	6,870'
2nd Bone Spring Ss	7,220'
3rd Bone Spring Lm	7,425'
3rd Bone Spring Ss	8,540'
Wolfcamp	9,215'
Strawn	10,633'
Atoka	10,855'
Morrow	11,470'
Morrow Lime	11,839'
Morrow Lower	12,150'
Mississippian	12,287'
Mississippian Lime	12,580'
Woodford	12,895'
Devonian/Silurian	12,990'
Ordovician (Montoya)	14,010'
Ordovician (Simpson)	14,302'

PROPOSED

12,940' of 4-1/2", 11.6#, L80, IPC, tubing

7" Nickel Coated permeate packer set @ 12,940'

PROPOSED INJECTION INTERVAL

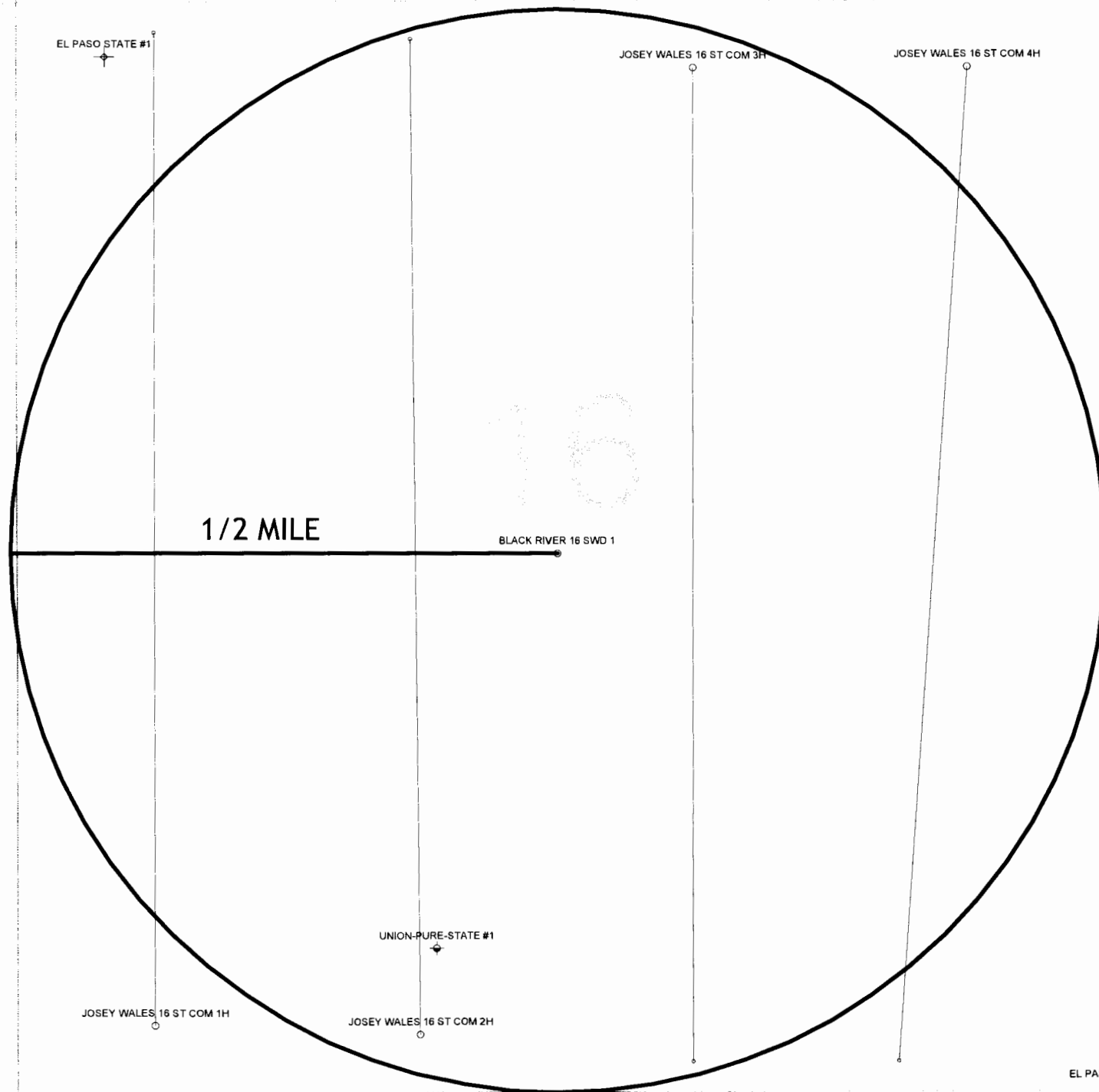
DEVONIAN /SILURIAN/ORDOVICIAN
12,990' - 15,500'

*Limit to top
100' of Ellenberger*

Proposed Interval: 12990' - 15500'

Page 1 of 1

24S 27E



BR '15' STATE #1

devon

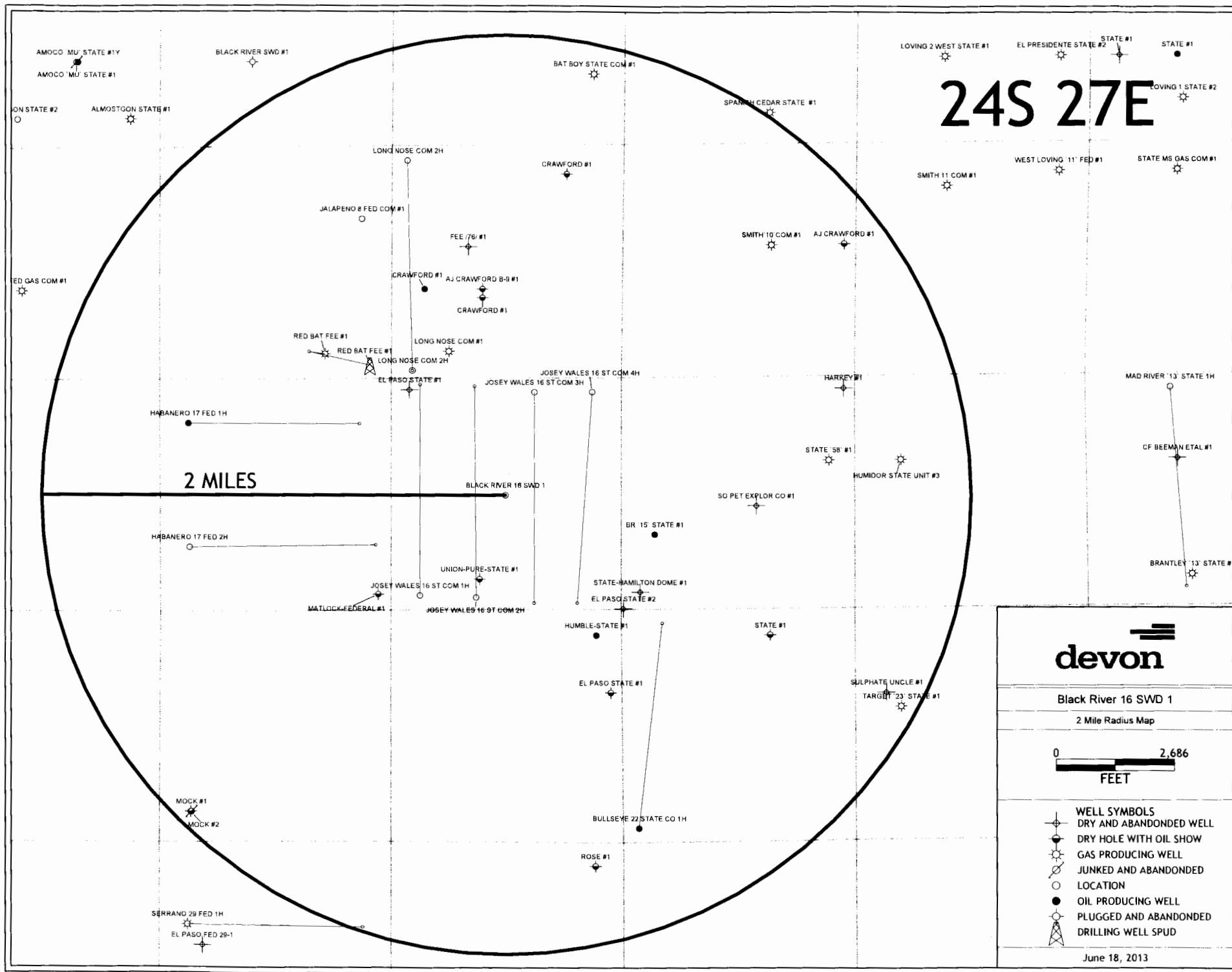
Black River 16 SWD 1

1/2 Mile Radius Map



- WELL SYMBOLS
- DRY AND ABANDONED WELL
 - DRY HOLE WITH OIL SHOW
 - LOCATION
 - OIL PRODUCING WELL

June 18, 2013



DEVON ENERGY PRODUCTION COMPANY LP

Well Name: EI PASO 29 FED 1		Field: WILDCAT; MORROW	
Location: 2427' FNL & 904' FWL, SEC 29-T24S-R27E		County: EDDY	State: NM
Elevation: 3359' GL		Spud Date: 7/24/77	Compl Date: P&A 4/29/11
API#: 30-015-22084	Prepared by: Ronnie Slack	Date: 05/06/11	Rev:

WELLBORE PLUGGED & ABANDONED
4/29/11

12-1/4" hole
9 5/8" 36#, K-55, @ 1990'
Cmt'd w/400 sx cmt to surface

Spot 100 sx cmt @ 2200' (4/28/11)

Perfs: 2316'-20', 2332'-36', 2350'-54'

2722'-27', 2742'-46', 2752'-56'

Est TOC @ 5700' (not required to tag)

Spot 100 sx cmt @ 6300' (4/27/11)

8-1/2" hole
7" 23#, N-80/S-95, @ 9466'
Cmt w/1250 sx cmt to surface

6 1/4" hole

Salt gel mud

Salt gel mud

Salt gel mud

Cut wellhead off & set dry hole marker. (4/29/11)
Top out csg w/5 sx surf. (4/29/11)

Circ 195 sx cmt from 540' to surf. (4/28/11)

Tagged TOC @ 1900' (4/28/11)

TOC re-tagged @ 9204' (4/26/11)
Tagged TOC @ 9196' (12/9/10)

Spot 400 sx cmt @ 10701' (12/8/10)
Tagged TOC @ 10704' (8/5/10)

Spot 80 sx cmt @ 11140' (8/4/10)

Well re-entered & plugs drilled out to 11163' (7/31/10)

TD @ 12,400'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OPERATOR'S 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 page 2

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM 112269
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		6. If Indian, Allottee or Tribe Name
3a. Address 20 North Broadway, Ste 1500, Oklahoma City, OK 73102		7. Unit or CA Agreement Name and No.
3b. Phone No. (include area code) 405-552-4615		8. Well Name and No. EL PASO 29 FED 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2427 FNL 904 FWL 29 T24S R27E		9. API Well No. 30-015-22084
		10. Field and Pool, or Exploratory Area WILDCAT; MORROW
		11. County or Parish, State Eddy NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recombine	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

WELLBORE PLUGGED & ABANDONED - 4/29/11

1. 4/21/11--MIRU plugging rig. TIH & tag TOC @ 9204'. (Previously tagged @ 9196 on 12/9/10).
2. Displace hole w/salt gel mud.
3. Spot 100 sx cmt @ 6300'. Est TOC @ 5700'. (Not required to tag TOC)
4. Spot 100 sx cmt @ 2200'. Tagged TOC @ 1900'.
5. Circulate 195 sx cmt from 540' to surface.
6. Top out casing w/5 sx cmt.
7. 4/29/11--Cut wellhead off and set dry hole marker. Wellbore plugged & abandoned.

**RECLAMATION
DUE 10-26-11**

**Accepted as to plugging of the well bore.
Liability under bond is retained until
Surface restoration is completed.**

14. I hereby certify that the foregoing is true and correct Name: Ronnie Slack		Title: Operations Technician
Signature: <i>Ronnie Slack</i>		Date: 5-6-11
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Title	Date: AUG 3 2011
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct or operations thereon.		Office: BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE

LUBBOCK MACH & SUPPLY CO. INC.

Well Name: MATLOCK #1		Field: W. MALAGA	
Location: 330' FSL & 330' FEL; SEC 17-T24S-R27E		County: EDDY	State: NM
Elevation: NA		Spud Date: 10/3/52	Compl Date: P&A-1/17/53
API#: 30-015-01136	Prepared by: Ronnie Slack	Date: 8/14/13	Rev:

 5 sx cmt surface plug

Plugging Schemat based on NMOCD records dated 1/17/53.

Mud

7" cut & pulled from 251', leaving 95' in hole

7", 22#, @ 346'
Cmt'd w/25 sx, 10 sx mud

10 sx cmt @ 350'

Mud

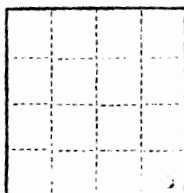
5 sx cmt @ 2,130'

Mud

10 sx cmt @ 2,230'

Open Hole from 346' to 2,305' →

2,305' TD



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office *Las Cruces*

Lease No. *009016*

Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 1, 1952

matlock
Well No. *1* is located *330* ft. from *[N]* line and *330* ft. from *[E]* line of sec. *17*

SE 1/4 Sec 17 (1/4 Sec. and Sec. No.) *24* (Twp.) *7* (Range) *N.M. P.M.* (Meridian)
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We plan to drill a Delaware sand well to the approx. depth of 2400 ft. We will set a couple of hundred ft. of surface casing 5 5/8" and will then cement our oil string 5 1/2" casing just in the sand with 75 lbs. of cement.

U.S. GEOLOGICAL SURVEY
OFFICE OF THE DIRECTOR
ARTESIA, N.M. 88000

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company *Lubbock Machine and Supply Co. Inc.*

Address *P.O. Box 281*

Artesia, N.M.

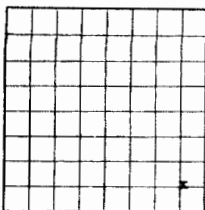
By *Wm. H. Foster*

Title *Agent*

U. S. LAND OFFICE

SERIAL NUMBER L.C. 06906 -A

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Lubbock Mach. & Supply Co. Inc. Address Box 261, Artesia, N. M.
Lessor or Tract Bonnie E. Matlock Field W. Malaga State N. M.
Well No. 1 Sec. 17 T. 24 R. 27 Meridian N.M.P.M. County Eddy
Location 330ft. N. of S. Line and 330ft. W. of E. Line of S. 1/4 Sec. 17 Elevation 5400
The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Wm. N. PorterDate December 29, 1952Title Agent

The summary on this page is for the condition of the well at above date.

Commenced drilling 10-3-, 19 52 Finished drilling 12-20-, 19 52

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from NONE to No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 200' to 270' (Gravel) No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
7"	22	8	Spang	340	Baker	251			Shut off water.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	340	25	pump	--	10 sacks.

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

Size	Shots used	Explosive used	Quantity	Date	Depth shot	Depth cleared out
			NOU			

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from 0 feet to 2305 feet, and from feet to feet

DATES

 , 19 52 NONE Put to producing , 19 52

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé. 10.0

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

C. L. Hammond Driller T. E. Hammond Driller
T. D. Bradshaw Driller Driller

FORMATION RECORD

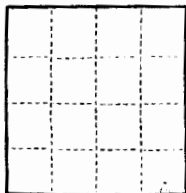
FROM-	TO-	TOTAL FEET	FORMATION
0	50	50	Caliche, Anhy.
50	75	25	Lime, Gravel
75	115	40	Brown sand
115	150	35	Yellow shale.
150	220	70	Anhy, Gravel & shale
220	260	40	Gravel, Red Beds
260	310	50	Gravel, Anhy (water 260' to 270')
310	350	40	Anhy
350	400	50	Anhy, shale stringers.
400	420	20	Anhy
420	440	20	Lime
440	460	20	Lime, Anhy
460	480	20	Brown Lime
480	500	20	Anhy
500	520	20	Salt
520	540	20	Anhy, Lime
540	560	20	Salt
560	580	20	Anhy
580	600	20	Lime
600	620	20	Anhy, Lime
620	640	20	Black Lime
640	660	20	Grey and Brown Lime
660	680	20	Black Lime
680	700	20	Dark Grey Sand (D.L. SD.)

FOLD | MARK

FROM-	TO-	TOTAL FEET	FORMATION

6-1011-1 R. S. THERAPIST PRINTING DECISION

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "side-cracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office

Lease No.

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 1 is located 550 ft. from N line and 350 ft. from E line of sec. 17

1/4 Sec. and Sec. No. 17 (Twp.) 7 (Range) 11 (Meridian)
Art (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; list state-mending jobs, cementing points, and all other important proposed work)

Total depth 250' incl. 50' (sulphur water)

10 sacks cement 150' to 200'
heavy sand 200' to 250'
5 sacks cement 250' to 300'
heavy sand 300' to 350'
10 sacks cement 350' to 400'
heavy sand 400' to surface
5 sacks cement at surface 400' to 450' or.

moving oil location.

Cut and pulled 7 inch casing from 251' leaving 75' in the hole.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company

Address Box 121

Artesia, N.M.

By Wm. A. Foster

Title

R. S. GLEASON & W.R. DONNELL

Well Name: UNION PURE STATE 1

Field: WILDCAT

Location: 660' FSL & 1980' FWL; SEC 16-T24S-R27E

County: EDDY

State: NM

Elevation: 3215 KB

Spud Date: 6/8/62

Compl Date: P&A-7/7/62

API#: 30-015-01127

Prepared by: Ronnie Slack

Date: 8/14/13

Rev:

Plugging Schemat based on NMOCD records dated 7/7/62.

5 sx cmt surface plug

Mud

10" Hole - ? →

Open Hole from surface to 2,328'
No casing strings set in wellbore →

20 sx cmt @ 1,339'

Mud

20 sx cmt @ 1,539'

Mud

20 sx cmt @ 2,325'

6-3/4" Hole-? →

2,328' TD

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SALE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Form C-101
Revised (12/1/55)

NOTICE OF INTENTION TO DRILL

Notice must be given to the District Office of the Oil Conservation Commission and approval obtained before drilling or recompletion begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in **QUINTUPLICATE**. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission. If State Land submit 6 Copies Attach Form C-128 in triplicate to first 3 copies of form C-101

MIDLAND, TEXAS

5-28-62

(Place)

(Date)

RECEIVED

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Gentlemen:

You are hereby notified that it is our intention to commence the Drilling of a well to be known as
R. S. GLEASON AND W. R. DONNELL

O. C. O.
ARTESIA, OFFICE

UNION-PURE STATE

(Company or Operator)

Well No. **1**

N

(Unit)

located **1,980** feet from the **WEST** line and **660** feet from the

SOUTH

line of Section **16**, T **24**, R **27**, NMPM.

(GIVE LOCATION FROM SECTION LINE)

WILDCAT

Pool,

EDDY

County

If State Land the Oil and Gas Lease is No. **K-441**

If patented land the owner is

Address

We propose to drill well with drilling equipment as follows: **CABLE TOOLS**
TO TOTAL DEPTH

The status of plugging bond is **IN SANTA FE FOR APPROVAL**

Drilling Contractor **BUFFALO DRILLING CO.**
KERMIT, TEXAS

We intend to complete this well in the **BELL CANYON**
formation at an approximate depth of **2,400** feet.

CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Sacks Cement
10	8-5/8	23#	Second hand	400'	100 Sx
6-3/4	5-1/2	15.5	New	2,400'	100 Sx

If changes in the above plans become advisable we will notify you immediately.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.)

Approved **JUN 5 1962**, 19.....
Except as follows:

Sincerely yours,

R. S. Gleason & W. R. Donnell
(Company or Operator)

By **W. R. Donnell**

Position

Send Communications regarding well to

Name **R. S. Gleason**

Address **103 Wilkinson-Foster Building**

OIL CONSERVATION COMMISSION

By **M. L. Armstrong**

NUMBER OF COPIES RECEIVED		2
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.I.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
PROBATION OFFICE		
OPERATOR		

(Form C-102)
(Revised 7/1/62)

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

strict Office, Oil Conservation Commission, before the work specified is to begin. A copy will be furnished to the agent 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	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO DRILL DEEPER	<input type="checkbox"/>
NOTICE OF INTENTION TO PLUG WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG BACK	<input type="checkbox"/>	NOTICE OF INTENTION TO SET LINER	<input type="checkbox"/>
NOTICE OF INTENTION TO SQUEEZE	<input type="checkbox"/>	NOTICE OF INTENTION TO ACIDIZE	<input type="checkbox"/>	NOTICE OF INTENTION TO SHOOT (Nitro)	<input type="checkbox"/>
NOTICE OF INTENTION TO GUN PERFORATE	<input type="checkbox"/>	NOTICE OF INTENTION (OTHER)	<input type="checkbox"/>	NOTICE OF INTENTION (OTHER)	<input type="checkbox"/>

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

103 Wilkinson-Foster Bldg.
Midland, Texas
(Place)

July 2, 1962
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the R.S. Gleason & W.R. Donnell

(Company or Operator) Union-Pure State Well No. 1 in N
SE SW 16 24 27 Wildcat Pool
(40-acre Subdivision) 1/4 of Sec. 16, T. 24, R. 27, NMPM., Wildcat Pool
Eddy County.

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

Will not set surface casing. No water was encountered. If well is a producer we will cement production string to the surface.

RECEIVED
JUL 2 1962
L. S. GLEASON
MIDLAND, TEXAS

Approved 103 F. 1962, 19_____
Except as follows:

Approved
OIL CONSERVATION COMMISSION

By M. L. Armstrong
Title OIL AND GAS INSPECTOR

R.S. Gleason & W.R. Donnell
Company or Operator
By Robert S. Gleason

Position _____
Send Communications regarding well to:

Name R.S. GLEASON
Address 103 WILKINSON-FOSTER BLDG
MIDLAND, TEXAS

NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company R.S. Gleason & W.R. Donnell		Address 103 Wilkinson-Foster Bldg. Midland, Texas	
Lease Union-Pure State	Well No. 1	Unit Letter N	Section 16
		Township 24 South	Range 27 East
Date Work Performed July 7, 1962	Pool Wildcat	County Eddy	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☐ Other (Explain):
- ☒ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

Received verbal permission to plug well.
 Loaded hole with mud before plugging, plugs pumped in through tubing.
 Set 20 sack plug at 2325
 Set 20 sack plug at 1539
 Set 20 sack plug at 1339
 Set 5 sack plug at surface
 Set dry hole marker
 Filled in pit and cleaned up location.

RECEIVED
 JUL 23 1962
 D. C. C.
 ARTESIA, OFFICE

Witnessed by R.S. Gleason	Position	Company R.S. Gleason & W.R. Donnell
-------------------------------------	----------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P BTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by <i>Howard E. Lobbey</i>	Name <i>Robert A. Gleason</i>		
Title WELL AND GAS INSPECTION	Position		
Date JUL 27 1962	Company		

Santa Fe, New Mexico

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

R. S. Gleason & J. B. Donnell Union-Pure State
(Company or Operator) (Name)
Well No. 1, in SE $\frac{1}{4}$ of S1 $\frac{1}{4}$, of Sec. 16, T. 24 South & 27 East, NMPM.
Wildcat Pool, Eddy County.
Well is 660 feet from South line and 1980 feet from West line
of Section 16. If State Land the Oil and Gas Lease No. is K 441
Drilling Commenced June 8, 1962 Drilling was Completed July 6, 1962
Name of Drilling Contractor Buffalo Drilling Co.
Address P.O. Box 271, Kermit, Texas
Elevation above sea level at Top of Tubing Head 3215 The information given is to be kept confidential until
19

None

No. 1, from.....	to.....	No. 4, from.....	to.....
No. 2, from.....	to.....	No. 5, from.....	to.....
No. 3, from.....	to.....	No. 6, from.....	to.....

RECEIVED
JUL 27 1962

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from No water was encounteredfeet.

No. 2, fromtofeet.

No. 3, fromtofeet.

No. 4, fromtofeet.

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PURPOSES	PURPOSE
	Did not set any casing.						

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Result of Pa Action Stimulation

Depth Cleaned Out.

RECORD OF DRILL-STEM AND SPECIAL TESTS.

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from.....feet to.....feet, and from.....feet to.....feet.
Cable tools were used from surface feet to 2328 TD feet, and from.....feet to.....feet.

PRODUCTION

Put to Producing....., 19.....

OIL WELL: The production during the first 24 hours was.....barrels of liquid of which.....% was
was oil;% was emulsion;% water; and.....% was sediment. A.P.I.
Gravity.....

GAS WELL: The production during the first 24 hours was.....M.C.F. plus.....barrels of
liquid Hydrocarbon. Shut in Pressure.....lbs.

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy.....	T. Devonian.....	T. Ojo Alamo.....
T. Salt.....	T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....	T. Montoya.....	T. Farmington.....
T. Yates.....	T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....	T. McKee.....	T. Menefee.....
T. Queen.....	T. Ellenburger.....	T. Point Lookout.....
T. Grayburg.....	T. Gr. Wash.....	T. Mancos.....
T. San Andres.....	T. Granite.....	T. Dakota.....
T. Glorieta.....	T.	T. Morrison.....
T. Drinkard.....	T.	T. Penn.....
T. Tubbs.....	T.	T.
T. Abo.....	T.	T.
T. Penn.....	T.	T.
T. Mias.....	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	315	315	Dolomite & shale	<div style="border: 1px solid black; padding: 5px; transform: rotate(-5deg);"> <p>OIL CONSERVATION COMMISSION</p> <p>ARTESIA DISTRICT OFFICE</p> <p>No. Copies Received.....</p> <p>DISTRICT OFFICE.....</p> <p>OPERATOR.....</p> <p>SANTA FE.....</p> <p>PRODUCTION OFF.....</p> <p>STATE LAND OFF.....</p> <p>U. S. G. S.</p> <p>TRANSPORTER.....</p> <p>FILE.....</p> <p>BUREAU OF MINES.....</p> </div>			
315	1385	1070	Anhydrite				
1385	1590	205	Salt				
1590	1685	95	Anhydrite				
1685	1900	215	Salt				
1900	2172	272	Line & Anhydrite				
2172	2200	28	"Black line"				
2200	2245	45	Line				
2245	2328	83	Sandstone & shale				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far
as can be determined from available records.

Company or Operator.....

Address.....

Name.....

MIDLAND, TEXAS

Robert A. Stearn July 25 1962
(Date)

Black River 16 SWD #1
Section 16-T24S-R27E
Eddy County, NM

8

9

10

Legend 50%
Marshall & Winston 50%
IIBP

Legend Nat Gas

VB-1762

24S 27E

16

Black River 16 SWD 1
Surface Owner:
Commissioner of Public Lands

VB-1763

NM-112268
Devon 100%/87.5%
7/31/2014
IIBP

V-3722
Oxy 50%
Khody Land & Minerals 50%

15

NM-112269
Devon 100%/87.5%
7/31/2014

Yates

NM-112269
Devon 100%/87.5%
7/31/2014

20

21

22

Black River 16 SWD #1
2631' FSL & 2613' FWL
Section 16-T24S-R27E
Eddy County, NM

Surface Owner

Commissioner of Public Lands
P.O. Box 1148
Santa Fe, NM 87504-1148

Leasehold Owners ½ mile radius

Section 17-T24S-R27E: E/2

Devon Energy Production Company, L.P.	100%
333 W. Sheridan	
OKC, OK 73102	

Section 9-T24S-R27E: SW/4

Legend Natural Gas	50%
15021 Katy Freeway	
Suite 200	
Katy, TX 77094	

Marshall & Winston, Inc.	50%
P.O. Box 50880	
Midland, TX 79710-0880	

Section 9-T24S-R27E: SE/4

Legend Natural Gas	100%
15021 Katy Freeway	
Suite 200	
Katy, TX 77094	

Section 15-T24S-R27E: W/2

OXY USA, Inc.	50%
P.O. Box 4294	
Houston, TX 77210	

Khody Land & Minerals	50%
210 Park Avenue, Suite 900	
OKC, OK 73102	

Section 21-24S-R27E: NE/4

Yates Petroleum Corporation

100%

105 S. Fourth Street

Artesia, NM 88210-8260

Section 21-24S-R27E: NW/4

Devon Energy Production Company, L.P.

100%

333 W. Sheridan

OKC, OK 73102

Section XIV--Proof of Notice to Leasehold Operators
Devon Energy Prod Co LP
C108 Application For Injection
Proposed Well: Black River 16 SWD #1

Proof of Notice to Leasehold Operators within 1/2 mile of Black River 16 SWD #1

Legend Natural Gas
15021 Katy Freeway, Suite 200
Katy, Texas 77094

Certified receipt No.
7008 1830 0002 7421 6009

Marshall & Winston, Inc.
P.O. Box 50880
Midland, TX 79710-0880

Certified receipt No.
7008-1830-0002-7421-6061

Oxy USA, Inc.
P.O. Box 4294
Houston, Texas 77210

Certified receipt No.
7006-2760-0003-6282-6463

Khody Land & Minerals
210 Park Avenue, Suite 900
OKC, OK 73102

Certified receipt No.
7008-1830-0003-1986-6459

Yates Petroleum Corporation
105 S. Fourth Street
Artesia, New Mexico 88210-8260

Certified receipt No.
7006-2760-0003-6282-6456

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 Black River 16 SWD #1.

Date Mailed:

09/13/2013
[Signature]

Signature:

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

Date:

9/12/2013

Section XIV--Proof of Notice to Surface Land Owner
Devon Energy Prod Co LP
C108 Application For Injection
Proposed Well: Black River 16 SWD 1

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

Commissioner of Public Lands
P.O. Box 1148
Santa Fe, NM 875045-1148

Certified receipt No.
7008 1830 0002 7421 6146

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 Black River 16 SWD #1.

Date Mailed: 09/12/2013

Signature: [Handwritten Signature]

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

Date: 09/12/2013



Davis well #1	32.227528	-104.212291
Davis well #2	32.227698	-104.212985
Davis well #3&4	32.225503	-104.216621
Ogden well	32.222586	-104.220867

Black River 16 SWD 1
C108 Application for Injection
Fresh Water Analysis (Water Well Sample)
Davis 516 Unit Well 1
Sec 8-T24S-R27E
Lat 32.227528 Long -104.212291

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 #:	578341
Lease/Platform:	DAVIS 516 UNIT	Analysis ID #:	133296
Entity (or well #):	1	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	FRESH WATER		

Summary		Analysis of Sample 578341 @ 75 F					
Sampling Date:	5/22/2013	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	6/12/2013	Chloride:	69.0	1.95	Sodium:	238.0	10.35
Analyst:	SANDRA GOMEZ	Bicarbonate:	244.0	4.	Magnesium:	89.0	7.32
TDS (mg/l or g/m3):	2334.6	Carbonate:	0.0	0.	Calcium:	439.0	21.91
Density (g/cm3, tonne/m3):	1.002	Sulfate:	1244.0	25.9	Strontium:	8.0	0.18
Anion/Cation Ratio:	1.2516530	Phosphate:			Barium:	0.1	0.
Carbon Dioxide:	0 PPM	Borate:			Iron:	0.5	0.02
Oxygen:		Silicate:			Potassium:	3.0	0.08
Comments:		Hydrogen Sulfide:		0 PPM	Aluminum:		
		pH at time of sampling:		7.6	Chromium:		
		pH at time of analysis:			Copper:		
		pH used in Calculation:		7.6	Lead:		
					Manganese:	0.025	0.
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ *2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.79	17.48	-0.23	0.00	-0.30	0.00	-0.31	0.00	0.94	0.00	0.08
100	0	0.89	20.98	-0.24	0.00	-0.24	0.00	-0.30	0.00	0.79	0.00	0.11
120	0	1.00	25.18	-0.23	0.00	-0.15	0.00	-0.27	0.00	0.67	0.00	0.14
140	0	1.12	29.37	-0.21	0.00	-0.04	0.00	-0.24	0.00	0.57	0.00	0.19

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

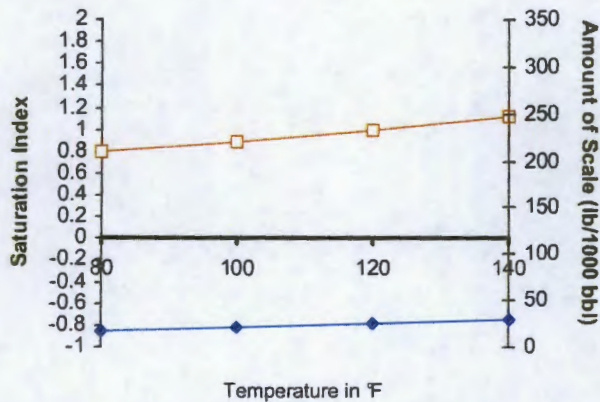
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

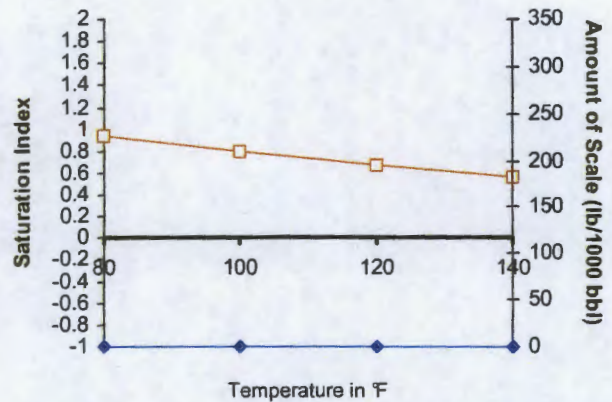
Scale Predictions from Baker Petrolite

Analysis of Sample 578341 @ 75 °F for DEVON ENERGY CORPORATION, 6/12/2013

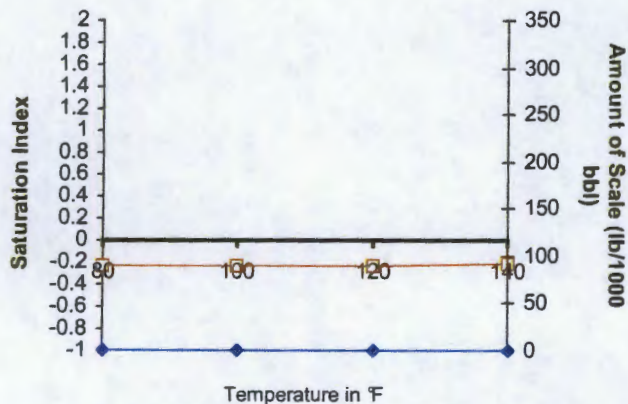
Calcite - CaCO_3



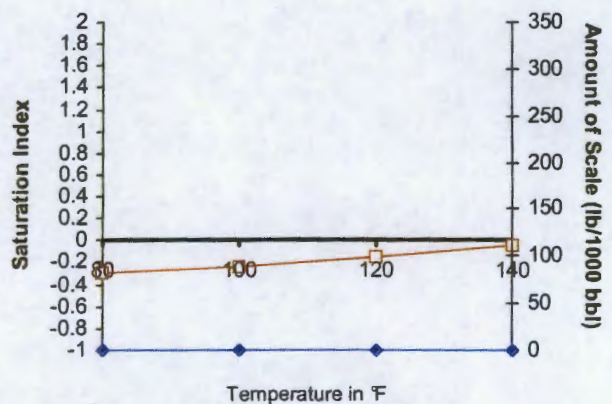
Barite - BaSO_4



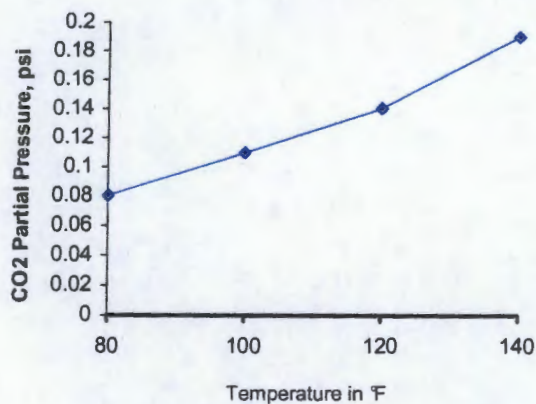
Gypsum - $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$



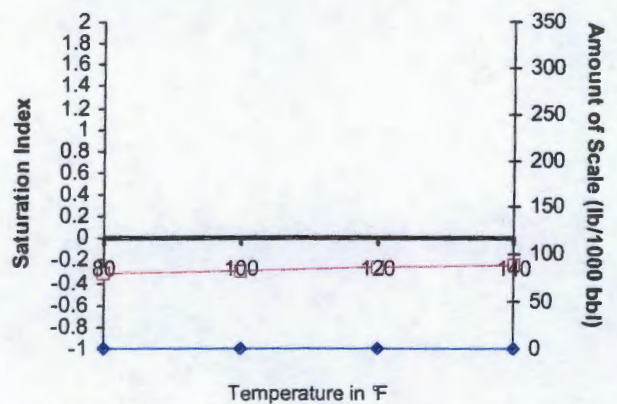
Anhydrite - CaSO_4



Carbon Dioxide Partial Pressure



Celestite - SrSO_4



Black River 16 SWD 1
C108 Application for Injection
Fresh Water Analysis (Water Well Sample)
Davis 516 Unit Well 2
Sec 8-T24S-R27E
Lat 32.227698 Long -104.212985

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 #:	658181
Lease/Platform:	DAVIS 516 UNIT	Analysis ID #:	133297
Entity (or well #):	2	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	FRESH WATER		

Summary		Analysis of Sample 658181 @ 75 F					
Sampling Date:	5/22/2013	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	6/12/2013	Chloride:	199.0	5.61	Sodium:	245.0	10.66
Analyst:	SANDRA GOMEZ	Bicarbonate:	219.6	3.6	Magnesium:	120.0	9.87
TDS (mg/l or g/m3):	3142.4	Carbonate:	0.0	0.	Calcium:	731.0	36.48
Density (g/cm3, tonne/m3):	1.003	Sulfate:	1617.0	33.67	Strontium:	7.5	0.17
Anion/Cation Ratio:	1.335596	Phosphate:			Barium:	0.1	0.
		Borate:			Iron:	0.7	0.03
		Silicate:			Potassium:	2.5	0.06
Carbon Dioxide:	0 PPM	Hydrogen Sulfide:		0 PPM	Aluminum:		
Oxygen:		pH at time of sampling:		6.7	Chromium:		
Comments:		pH at time of analysis:			Copper:		
		pH used in Calculation:		6.7	Lead:		
					Manganese:	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 ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.02	1.05	-0.01	0.00	-0.08	0.00	-0.34	0.00	0.94	0.00	0.54
100	0	0.15	5.94	-0.02	0.00	-0.02	0.00	-0.33	0.00	0.78	0.00	0.7
120	0	0.28	11.53	-0.01	0.00	0.06	83.51	-0.31	0.00	0.66	0.00	0.88
140	0	0.42	17.12	0.00	8.04	0.17	207.20	-0.28	0.00	0.56	0.00	1.06

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

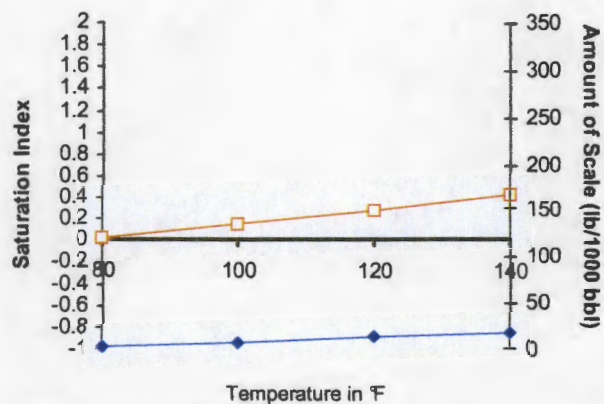
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

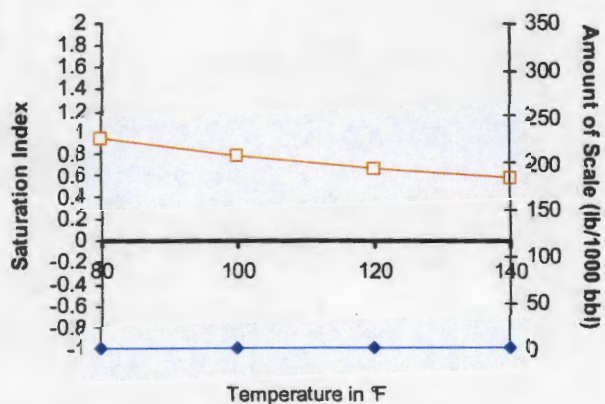
Scale Predictions from Baker Petrolite

Analysis of Sample 658181 @ 75 °F for DEVON ENERGY CORPORATION, 6/12/2013

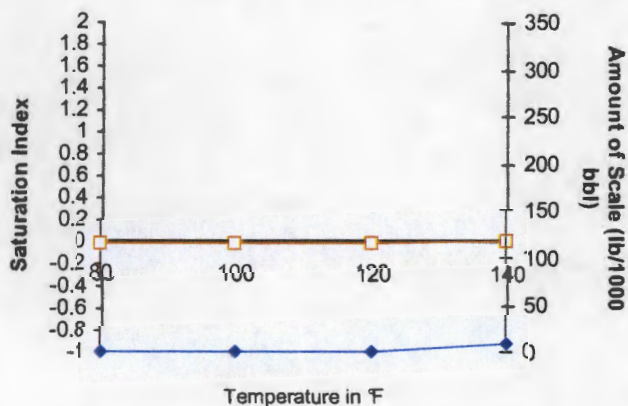
Calcite - CaCO_3



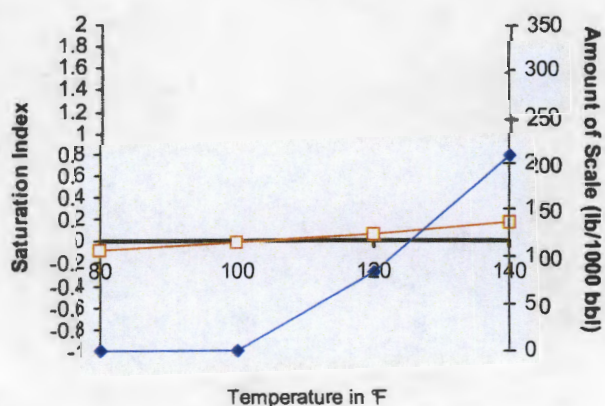
Barite - BaSO_4



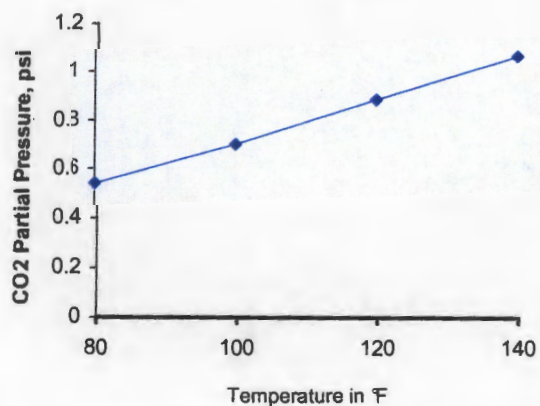
Gypsum - $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$



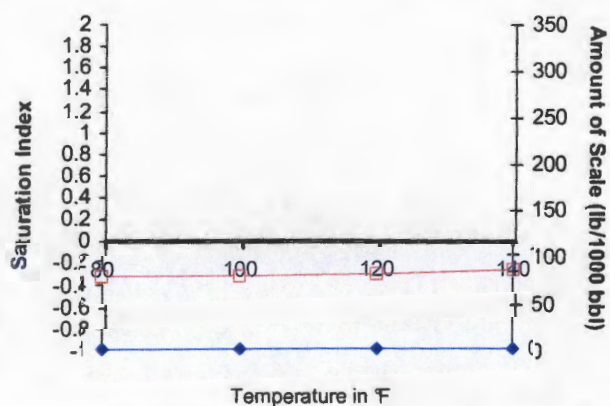
Anhydrite - CaSO_4



Carbon Dioxide Partial Pressure



Celestite - SrSO_4



Black River 16 SWD 1
C108 Application for Injection
Fresh Water Analysis (Water Well Sample)
Davis 516 Unit Well 3 & 4
Sec 8-T24S-R27E
Lat 32.225503 Long -104.216621

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 #:	652182
Lease/Platform:	DAVIS 516 UNIT	Analysis ID #:	133298
Entity (or well #):	3 & 4	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	FRESH WATER		

Summary		Analysis of Sample 652182 @ 75 F					
Sampling Date:	5/22/2013	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	6/12/2013	Chloride:	113.0	3.19	Sodium:	236.0	10.27
Analyst:	SANDRA GOMEZ	Bicarbonate:	231.8	3.8	Magnesium:	122.0	10.04
TDS (mg/l or g/m3):	3027.9	Carbonate:	0.0	0.	Calcium:	630.0	31.44
Density (g/cm3, tonne/m3):	1.003	Sulfate:	1686.0	35.1	Strontium:	7.0	0.16
Anion/Cation Ratio:	1.2344527	Phosphate:			Barium:	0.1	0.
		Borate:			Iron:	0.5	0.02
		Silicate:			Potassium:	1.5	0.04
					Aluminum:		
Carbon Dioxide:	0 PPM	Hydrogen Sulfide:		0 PPM	Chromium:		
Oxygen:		pH at time of sampling:		6.7	Copper:		
Comments:		pH at time of analysis:			Lead:		
		pH used in Calculation:		6.7	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 ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	-0.02	0.00	-0.04	0.00	-0.11	0.00	-0.33	0.00	0.97	0.00	0.58
100	0	0.10	4.54	-0.05	0.00	-0.05	0.00	-0.33	0.00	0.82	0.00	0.75
120	0	0.24	10.48	-0.04	0.00	0.04	45.43	-0.31	0.00	0.70	0.00	0.94
140	0	0.38	16.42	-0.02	0.00	0.14	168.78	-0.28	0.00	0.60	0.00	1.14

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

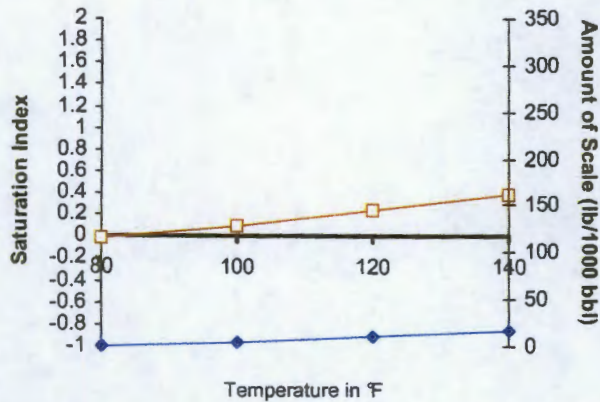
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

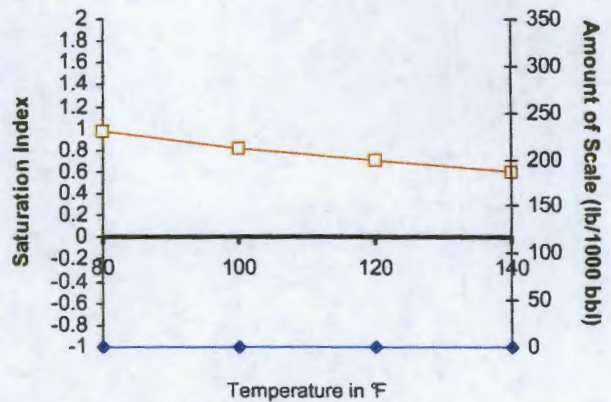
Scale Predictions from Baker Petrolite

Analysis of Sample 652182 @ 75 °F for DEVON ENERGY CORPORATION, 6/12/2013

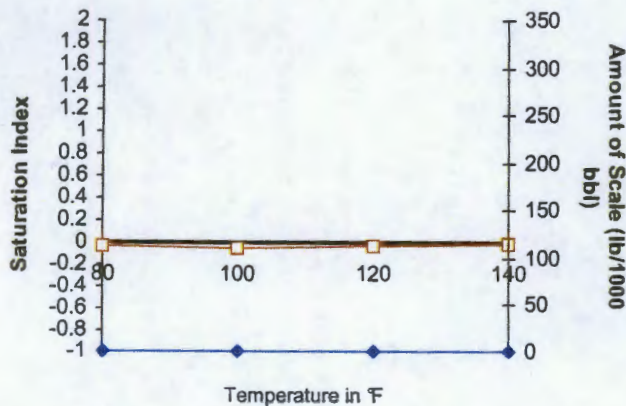
Calcite - CaCO_3



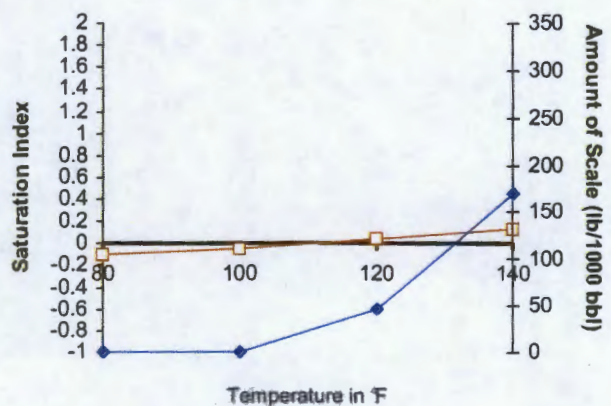
Barite - BaSO_4



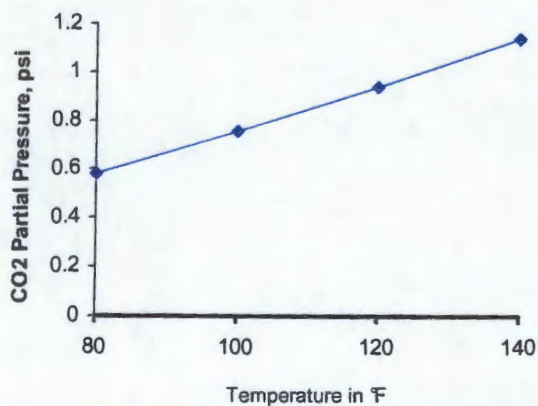
Gypsum - $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$



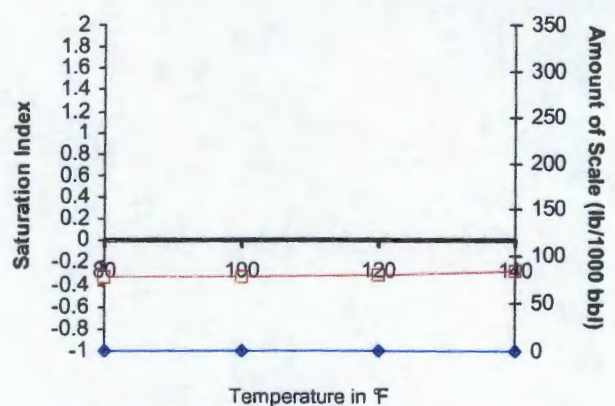
Anhydrite - CaSO_4



Carbon Dioxide Partial Pressure



Celestite - SrSO_4



Black River 16 SWD 1
C108 Application for Injection
Fresh Water Analysis (Water Well Sample)
Ogden Well
Sec 17-T24S-R27E
Lat 32.222586 Long -104.220867

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 #:	578340
Lease/Platform:	OGDEN UNIT	Analysis ID #:	133300
Entity (or well #):	WATER TANK	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	FRESH WATER		

Summary		Analysis of Sample 578340 @ 75 F					
Sampling Date:	5/22/2013	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	6/12/2013	Chloride:	83.0	2.34	Sodium:	252.0	10.96
Analyst:	SANDRA GOMEZ	Bicarbonate:	268.4	4.4	Magnesium:	174.0	14.31
TDS (mg/l or g/m3):	3314.7	Carbonate:	0.0	0.	Calcium:	644.0	32.14
Density (g/cm3, tonne/m3):	1.003	Sulfate:	1879.0	39.12	Strontium:	8.0	0.18
Anion/Cation Ratio:	1.2606503	Phosphate:			Barium:	0.1	0.
		Borate:			Iron:	5.5	0.2
		Silicate:			Potassium:	0.4	0.01
Carbon Dioxide:	0 PPM	Hydrogen Sulfide:		0 PPM	Aluminum:		
Oxygen:		pH at time of sampling:		7.8	Chromium:		
Comments:		pH at time of analysis:			Copper:		
		pH used in Calculation:		7.8	Lead:		
					Manganese:	0.300	0.01
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.11	25.15	-0.02	0.00	-0.09	0.00	-0.27	0.00	0.98	0.00	0.05
100	0	1.18	29.00	-0.03	0.00	-0.03	0.00	-0.26	0.00	0.83	0.00	0.08
120	0	1.26	33.19	-0.02	0.00	0.06	73.36	-0.24	0.00	0.71	0.00	0.11
140	0	1.36	37.73	0.00	0.00	0.16	197.03	-0.21	0.00	0.61	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.

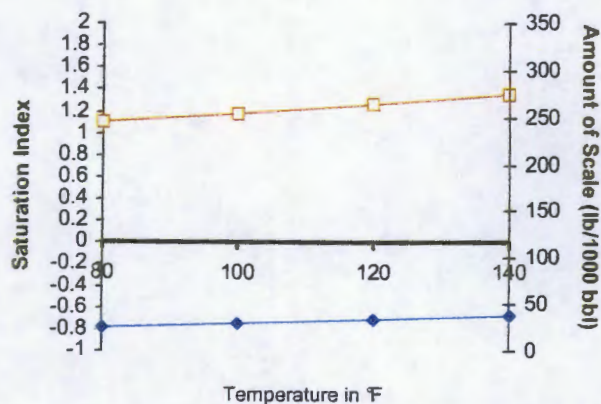
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

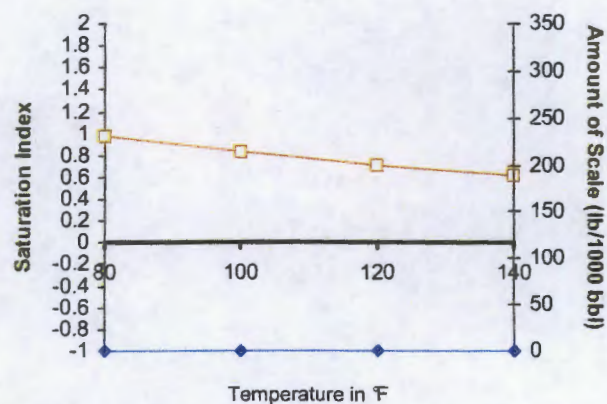
Scale Predictions from Baker Petrolite

Analysis of Sample 578340 @ 75 °F for DEVON ENERGY CORPORATION, 6/12/2013

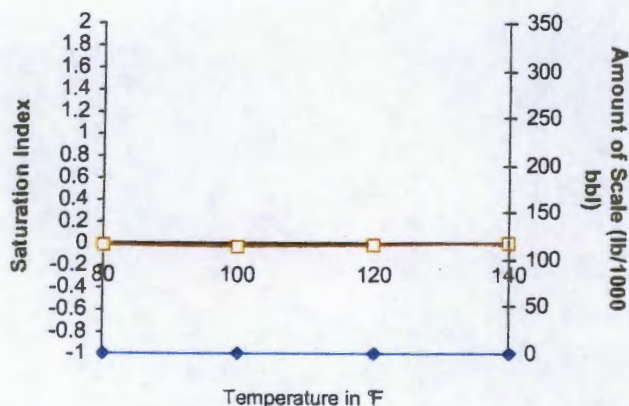
Calcite - CaCO_3



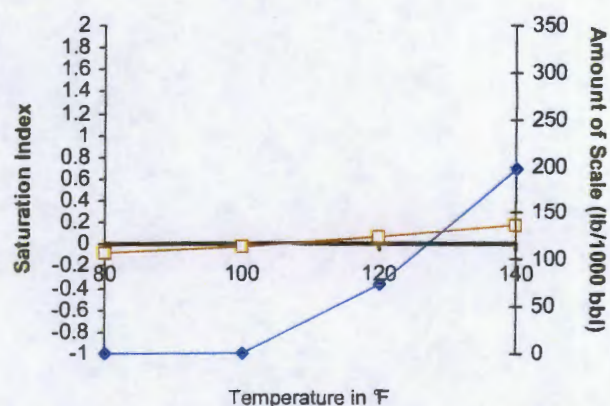
Barite - BaSO_4



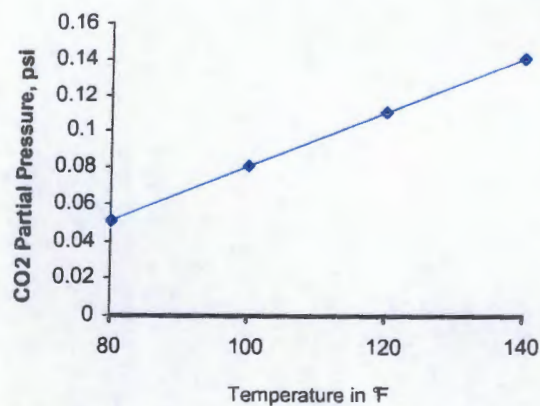
Gypsum - $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$



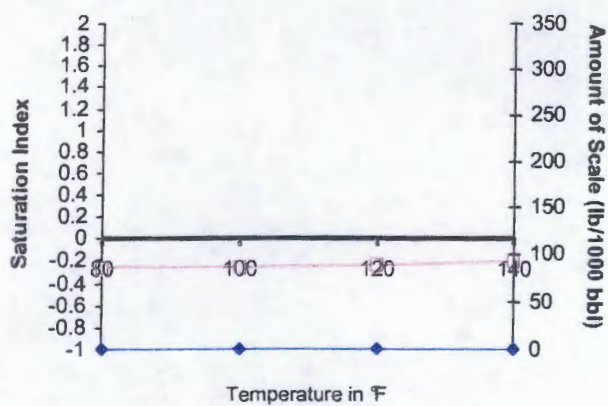
Anhydrite - CaSO_4



Carbon Dioxide Partial Pressure



Celestite - SrSO_4



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:

June 19 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

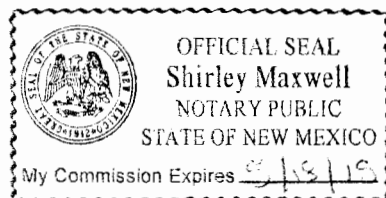
Subscribed and sworn to before me this

25th day of June, 2013

Shirley Maxwell

My commission Expires on May 18, 2015

Notary Public



June 19, 2013

Legal Notice

Devon Energy Production Company, LP, 333 West Sheridan Avenue, Oklahoma City, OK 73102-8260 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well, the Black Riv-

er 16 SWD 1 will be a new drill; proposed location is 2631' FSL & 2613' FWL, Section 16, Township 24 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/Sturion/Ordovician formation at a depth of 12,900' to 15,500', open hole, at a maximum surface pressure of 2580 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.



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

405 235 3611 Phone
www.devonenergy.com

September 12th, 2013

Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

RE: Form C-108, Application for Authorization to Inject
Black River 16 SWD #1; API# 30-015-
Eddy County, NM
Section 16, T24S, R27E; 2631' FSL & 2613' FWL

Dear Commission of Public Lands:

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 Black River 16 SWD #1 to salt water disposal. Produced waters will be injected into the Devonian/Silurian/Ordovician formation from 12990' to 15500'.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Stephanie A. Porter".

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



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

405 235 3611 Phone
www.devonenergy.com

September 12th, 2013

Khody Land & Minerals
210 Park Avenue, Suite 900
OKC, OK 73102

RE: Form C-108, Application for Authorization to Inject
Black River 16 SWD #1; API 30-015-
Eddy County, NM
Section 16, T24S, R27E

Dear Khody Land & Minerals:

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 Black River 16 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 Black River 16 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,

A handwritten signature in black ink, appearing to read "Stephanie A. Porter".

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



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

405 235 3611 Phone
www.devonenergy.com

September 12th, 2013

Legend Natural Gas
15021 Katy Freeway, Suite 200
Katy, Texas 77094

RE: Form C-108, Application for Authorization to Inject
Black River 16 SWD #1; API 30-015-
Eddy County, NM
Section 16, T24S, R27E

Dear Legend Natural Gas:

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 Black River 16 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 Black River 16 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,

A handwritten signature in black ink, appearing to read "Stephanie A. Porter".

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



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

405 235 3611 Phone
www.devonenergy.com

September 12th, 2013

Marshall & Winston, Inc.
P.O. Box 50880
Midland, Texas 79710-0880

RE: Form C-108, Application for Authorization to Inject
Black River 16 SWD #1; API 30-015-
Eddy County, NM
Section 16, T24S, R27E

Dear Marshall & Winston, 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 Black River 16 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 Black River 16 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,

A handwritten signature in black ink, appearing to read "S.A.P.", with a long horizontal stroke extending to the right.

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



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

405 235 3611 Phone
www.devonenergy.com

September 12th, 2013

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

RE: Form C-108, Application for Authorization to Inject
Black River 16 SWD #1; API 30-015-
Eddy County, NM
Section 16, T24S, 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 Black River 16 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,

A handwritten signature in black ink, appearing to read "Stephanie A. Porter".

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



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

405 235 3611 Phone
www.devonenergy.com

September 12th, 2013

Oxy USA, Inc.
P.O. Box 4294
Houston, Texas 77210

RE: Form C-108, Application for Authorization to Inject
Black River 16 SWD #1; API 30-015-
Eddy County, NM
Section 16, T24S, R27E

Dear Oxy USA, 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 Black River 16 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 Black River 16 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,

A handwritten signature in black ink, appearing to read "Stephanie A. Porter".

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



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

405 235 3611 Phone
www.devonenergy.com

September 12th, 2013

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

RE: Form C-108, Application for Authorization to Inject
Black River 16 SWD #1; API 30-015-
Eddy County, NM
Section 16, T24S, 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 Black River 16 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,

A handwritten signature in black ink, appearing to read "S.A.P.", with a long horizontal stroke extending to the right.

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure



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

405 235 3611 Phone
www.devonenergy.com

September 12th, 2013

Yates Petroleum Corporation
105 S. Fourth Street
Artesia, New Mexico 88210-8260

RE: Form C-108, Application for Authorization to Inject
Black River 16 SWD #1; API 30-015-
Eddy County, NM
Section 16, T24S, R27E

Dear Yates Petroleum 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 Black River 16 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 Black River 16 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,

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

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure

District I1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 383-6161 Fax:(575) 383-0720**District II**811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720**District III**1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170**District IV**1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101
August 1, 2011

Permit 173252

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

1. Operator Name and Address DEVON ENERGY PRODUCTION COMPANY, LP 333 W. Sheridan Avenue Oklahoma City, OK 73102		2. OGRID Number 6137
4. Property Code		3. API Number
5. Property Name Black River 16 SWD		6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	16	24S	27E	K	2631	S	2613	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	16	24S	27E	K	2631	S	2613	W	Eddy

9. Pool Information

SWD;DEVONIAN-SILURIAN	97869
-----------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3190
16. Multiple N	17. Proposed Depth 15500	18. Formation Devonian	19. Contractor	20. Spud Date 10/12/2013
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☐ We will be using a closed-loop system in lieu of lined pits**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	26	20	94	500	1200	0
Int1	17.5	13.375	61	2000	1430	0
Int2	12.25	9.625	47	9150	1990	0
Int3	8.5	7	29	12990	1130	0
Prod	6.125	0	0	15500	0	0

Casing/Cement Program: Additional Comments

This will be an open hole completion, thus the hole interval is deeper than the 7" production casing depth.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	5000	
Double Ram	5000	5000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> if applicable.		OIL CONSERVATION DIVISION	
Signature:			
Printed Name: Ryan DeLong		Approved By:	
Title: Regulatory Compliance Coordinator		Title:	
Email Address: ryan.delong@dmv.com		Approved Date: Expiration Date:	
Date: 9/12/2013 Phone:		Conditions of Approval Attached	

2014 Land Renewal Cost Options

[illegible]

Prepared August 23, 2013

Sumitomo Net	First	Acres (1000s)			Renewal Cost,			Partnership Acres (1000s)			Partnership Renewal Cost,		
Description	Expiration	2014	2015	Total	2014	2015	Total	2014	2015	Total	2014	2015	Total
High Case		34			10			112	0	0	35	0	0
Mid Case		20			9			66	0	0	30	0	0
Low Case		17			7			56	0	0	23	0	0
Polym	2014/21	61	97	158	5	9	14	18	12	118	47	12	59
Ballroom	2014/25	6	10	16	1	10	11	0	10	10	1	1	2
Cafe	2014/24	11		11	1	2	3	1	11	11	1	11	23
Hotel	2014/23	4	16	20	1	2	3	21	21	24	1	11	12
Auto	2014/27	2	10	12	0	2	2	0	0	12	0	0	12
Mining	2014/21	1	1	2	1	0	1	0	1	11	1	0	11
Security	2014/21	0	10	10	0	1	1	0	11	11	0	11	22
Homept	2014/25	0	1	1	0	1	1	0	1	1	0	1	2
Homept	2014/25	0	1	1	0	0	0	0	0	1	0	0	1
Medical	2014/21	0	1	1	0	0	0	0	1	1	0	1	2
Totals	2014/23	41	99	141	11	30	41	148	111	471	42	113	215

Prepared August 23, 2013

County		Acres	\$ to Extend
Sterling		3,256	2,116,322.00
Mitchell		10,536	3,324,714.00
Nolan		960	240,000.00
Fisher		2,142	406,980.00

***Additional Fisher County Acres outside High Case Outline
(Davenport & McCall Davenport) 6400 acres - \$2,560,000.00.**

2014 Land Renewal Cost Options

District I
1625 N. French Dr., Hobbs, NM 88340
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

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 97869	³ Pool Name SWD; Devonian-Silurian
⁴ Property Code	⁵ Property Name BLACK RIVER 16 SWD		⁶ Well Number 1
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3190.3

¹⁰ Surface Location

U.L. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	16	24 S	27 E		2631	SOUTH	2613	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

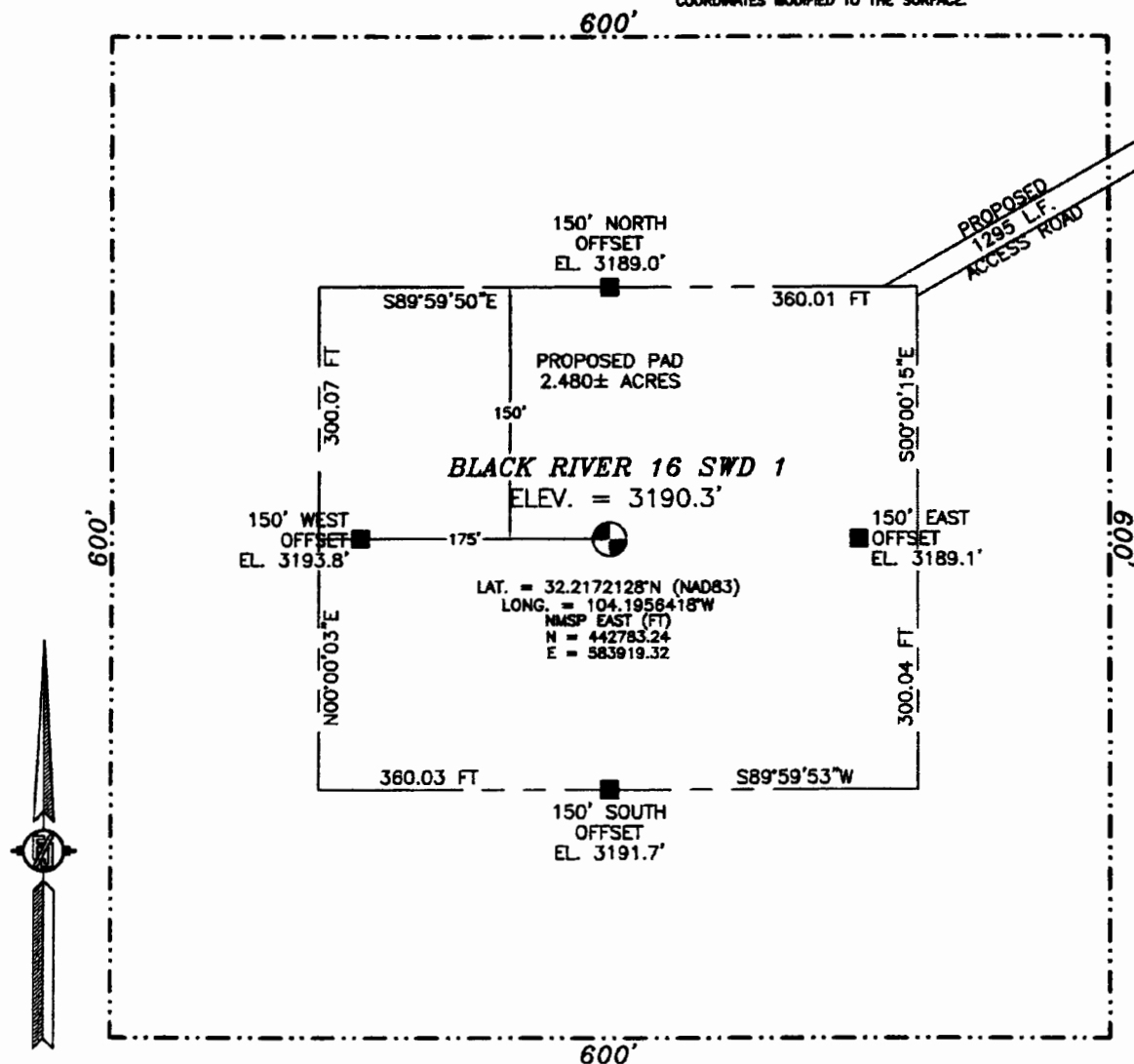
U.L. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 40.00	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.					

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.

<p>NW CORNER SEC. 16 LAT. = 32.2244880°N LONG. = 104.2040626°W NMSP EAST (FT) N = 445426.61 E = 581311.97</p>		<p>N/4 CORNER SEC. 16 COMPUTED NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. VB-1762</p>		<p>NE CORNER SEC. 16 LAT. = 32.2245500°N LONG. = 104.1871345°W NMSP EAST (FT) N = 445455.84 E = 586548.61</p>		<p>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 undivided 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 this division. _____ Signature Date 9/12/2013 Ryan DeLong Printed Name Lease Line ryan.delong@dm.com E-mail Address</p>
<p>W/4 CORNER SEC. 16 LAT. = 32.2172583°N LONG. = 104.2040897°W NMSP EAST (FT) N = 442796.57 E = 581306.74</p>		<p>BLACK RIVER 16 SWD 1 ELEV. = 3190.3' LAT. = 32.2172128°N (NAD83) LONG. = 104.1956418°W NMSP EAST (FT) N = 442783.24 E = 583919.32</p>		<p>E/4 CORNER SEC. 16 LAT. = 32.2172218°N LONG. = 104.1871717°W NMSP EAST (FT) N = 442790.00 E = 586538.74</p>		
<p>SW CORNER SEC. 16 LAT. = 32.2099573°N LONG. = 104.2040343°W NMSP EAST (FT) N = 440140.60 E = 581327.07</p>		<p>S/4 CORNER SEC. 16 COMPUTED</p>		<p>SE CORNER SEC. 16 LAT. = 32.2100064°N LONG. = 104.1872031°W NMSP EAST (FT) N = 440185.13 E = 586532.58</p>		<p>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. JUNE 13, 2011 Date of Survey _____ Signature and Seal of Professional Surveyor Certificate Number 12797 SURVEY NO. 1844</p>

**SECTION 16, TOWNSHIP 24 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
SITE MAP**

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE.



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CR 742 (JOHN D. FOREHAND) & CR 720 (BLACK RIVER VILLAGE) GO EAST ON CR. 720 APPROX. 4 MILES GO SOUTH-SOUTHWEST ON MAIN CALICHE LEASE RD. FOR APPROX. 2.2 MILES TO RD. INTERSECTION CONTINUE SW ON CALICHE RD. 0.27 MILES TO 2-TRACK ROAD X-ING RUNNING N-S, TURN RIGHT ON 2-TRACK RD. 0.48 MILES TO PROPOSED ROAD ON LEFT FOLLOW STAKED RD. 1295 FT TO SITE

**DEVON ENERGY PRODUCTION COMPANY, L.P.
BLACK RIVER 16 SWD 1**

**LOCATED 2631 FT. FROM THE SOUTH LINE
AND 2613 FT. FROM THE WEST LINE OF
SECTION 16, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO**

JUNE 13, 2013

SURVEY NO. 1844

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

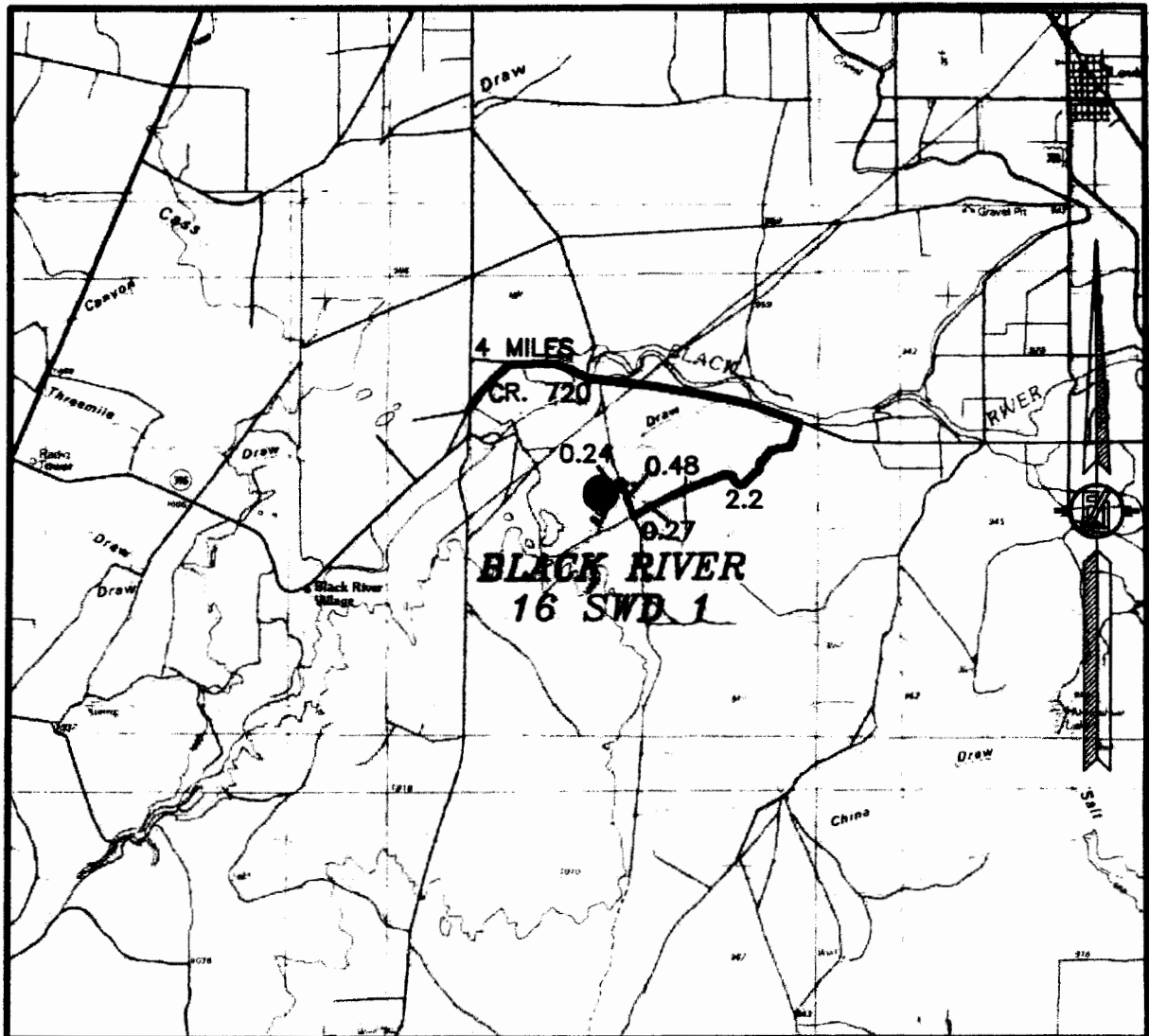
[illegible]

NOT TO SCALE:

JUNE 13, 2013

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(978) 234-3341

**SECTION 16, TOWNSHIP 24 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP**



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION
FROM THE INTERSECTION OF CR 742 (JOHN D. FOREHAND) & CR 720 (BLACK RIVER VILLAGE) GO EAST ON CR. 720 APPROX. 4 MILES GO SOUTH-SOUTHWEST ON MAIN CALICHE LEASE RD. FOR APPROX. 2.2 MILES TO RD. INTERSECTION CONTINUE SW ON CALICHE RD. 0.27 MILES TO 2-TRACK ROAD X-BIG RUNNING N-S. TURN RIGHT ON 2-TRACK RD. 0.48 MILES TO PROPOSED ROAD ON LEFT FOLLOW STAKED RD. 1295 FT TO SITE

DEVON ENERGY PRODUCTION COMPANY, L.P.

BLACK RIVER 16 SWD 1

**LOCATED 2631 FT. FROM THE SOUTH LINE
AND 2613 FT. FROM THE WEST LINE OF
SECTION 16, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO**

JUNE 13, 2013

SURVEY NO. 1844

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

**SECTION 16, TOWNSHIP 24 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO**



**NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
APRIL 2013**

**DEVON ENERGY PRODUCTION COMPANY, L.P.
BLACK RIVER 16 SWD 1
LOCATED 2631 FT. FROM THE SOUTH LINE
AND 2613 FT. FROM THE WEST LINE OF
SECTION 16, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO**

JUNE 13, 2013

SURVEY NO. 1844

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

Goetze, Phillip, EMNRD

From: Porter, Stephanie <Stephanie.Porter@dvn.com>
Sent: Wednesday, November 06, 2013 6:19 AM
To: Goetze, Phillip, EMNRD
Subject: Black River 16 SWD 1 (API #: 30-015-41651): Mr. Davis Status

Phillip,

Just wanted to touch base and let you know that our Landman and Operations Engineer were able to meet with Mr. Davis last week. Devon was able to satisfy Mr. Davis that we were aware of his concerns and already addressing some of feedback that he provided. Devon always wants to be a good neighbor. ☺ If you need anything additional on the Black River 16 SWD 1, please let me know. I'm sure this is in your queue to do.

On another note, on the Todd 27P Federal 16, our landman was able to talk with Oxy and it was collectively agreed to shorten the interval. We are waiting to hear back from them formally in writing. Once everything has been summarized, I can send you a copy. Oxy is aware they need to withdraw their objection, if they hadn't done it already. I'll keep you updated on that. ☺

Stephanie A. Porter

Permian New Mexico Technician

Phone: (405)-552-7802

Cell: (405)-721-7689

Fax: (405)-552-8113

DEC 31.326

Stephanie.Porter@dvn.com

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

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

RECEIVED OGD

2013 JUL -3 P 3: 00

Jim Davis

P.O. Box 1841

889 Black River Village Rd.

Carlsbad, NM 88221

Phone 575-785-2319 or 575-706-5324

e-mail bjdavis@pvtnetworks.net

Fax 575-785-1013

(-Additional surface issues)

Called 09/16/13

-notify Devon of situation

• contacted Devon and requested discussion - met twice with Mr. Davis

- Called 12/31/13; confirmed satisfied with Devon proposed surface operation and shallow casing design.

June 30, 2013

New Mexico Oil Conservation Division

Subject: Disposal Well Black River 16 SWD 1 Devon Energy.

I have concerns for this projected injection well.

There is ground water in section 16 at 70 ft. range. This water runs to the Black River in section 8 and 9. Close to Black River the table is at 25 to 30 ft. In section 8 I have 4 wells that use this water domestic and commercial.

South of Black River there is a lot of run off that hits the river. For an injection well to be trouble free it must meet the requirement of no run off and no chance of penetration to the ground water.

The fence that runs south, starting at NW corner of section 16, to halfway into section 21 is off. Any access through existing fence will need to be addressed to prevent double work.

The missing part of this application is how the disposal product will get to the location? Will it be pipelines above ground, buried or trucks?

Where is the power coming from to run the disposal?

We need to use existing right of ways to prevent loss of pasture.

The other problem we are having is that we find stakes for drill sites, pipelines and no one from Devon the State or BLM talks to me about their proposed drill sites and pipelines. We need more open

communication from all parties before work is done. The State should have a sign off sheet from owners and lessee of proposed drill sites and pipelines with application.

I am for production of oil and gas on private State and BLM leases. I want the smallest footprint on the environment and the safest way of conducting business.

Thanks,

Jim Davis 



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)

(R=POD has been replaced
and no longer serves this file,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	6416	4	Sec	Tws	Rng	X	Y	
C 00364	C	CLS	0	A.J. CRAWFORD	ED	C 00364	C			1	2	09	24S	27E	575997	3567043*	
C 00516	C	IRR	72.4	BARBARA DAVIS	ED	C 00516			Shallow	1	3	4	08	24S	27E	574288	3565901*
					ED	C 00516 POD3				1	3	4	08	24S	27E	574288	3565901*
					ED	C 00516 POD5				1	3	4	08	24S	27E	574286	3565921
					ED	C 00516 POD6			Shallow	1	4	3	08	24S	27E	573885	3565895*
					ED	C 00516 S			Shallow	1	3	4	08	24S	27E	574288	3565901
C 00631	C	SAN	3	GIRL SCOUTS OF AMERICA	ED	C 00631			Shallow	3	3	4	08	24S	27E	574288	3565701*
C 00683	C	DOM	3	HARLEY DAVIS	ED	C 00683			Shallow	4	3	08	24S	27E	573986	3565796*	
C 00821	C	PRO	0	UNION OIL CO. OF CALIFORNIA	ED	C 00821			Shallow	3	2	09	24S	27E	575996	3566635*	
C 00850	C	PRO	0	UNION OIL CO. OF CALIFORNIA	ED	C 00850			Shallow	2	3	09	24S	27E	575595	3566223*	
C 01187	C	DOM	3	CAMP LAVELLE ZIA GIRL SCOUT C.	ED	C 01187			Shallow	4	3	08	24S	27E	573986	3565796*	
C 01366		EXP	0	HARLEY DAVIS	ED	C 01366			Shallow	4	08	24S	27E	574590	3566003*		
C 01452	C	STK	3	WILLIAM DIESCHER	ED	C 01452			Shallow		22	24S	27E	577435	3563175*		
C 03416		EXP	0	JAMES S DAVIS	ED	C 03416 POD1				3	1	4	08	24S	27E	574271	3566180
C 03489	C	EXP	0	JAMES S. DAVIS	ED	C 03489 POD1			Shallow	2	4	3	08	24S	27E	574153	3565939
C 03490	C	EXP	0	JAMES DAVIS	ED	C 03490 POD1			Shallow	3	4	3	08	24S	27E	573811	3565709
C 03707		PRO	0	JIM DAVIS	ED	C 00516 POD9				3	4	3	08	24S	27E	573809	3565705
C 03708		PRO	0	JIM DAVIS	ED	C 00516 S			Shallow	1	3	4	08	24S	27E	574288	3565901

*UTM location was derived from PLSS - see Help

(acre ft per annum)					(R=POD has been replaced and no longer serves this file, C=the file is closed)		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)		(NAD83 UTM in meters)		
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q q q 6416 4 Sec Tws Rng	X	Y

Record Count: 18

POD Search:

POD Basin: Carlsbad

PLSS Search:

Section(s): 8, 9, 10, 15, 16, Township: 24S Range: 27E
17, 20, 21, 22

Sorted by: File Number

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

**C-108 Review Checklist:**

Received

Add. Request: Reply Date: Suspended:

[Ver 11]

PERMIT TYPE: WFX / PMX / SWD Number: 1454Permit Date: 12/30/13Legacy Permits/Orders: NAWell No. 1Well Name(s): Black River 16SWD

API: 30-0

15-41651Spud Date: TBDNew or Old: New

(UIC Class II Primacy 03/07/1982)

Footages

2631 FSL / 2613 FWL

Lot -

Unit KSec 16Tsp 24SRge 27ECounty EddyGeneral Location: Along Black River/SE of White CityPool: SWD: Devon - EllenburgerOperator: Devon Energy Prod. Co. LPOGRID: 6137Contact: Stephanie PorterCOMPLIANCE RULE 5.9: Inactive Wells: 3Total Wells: 1829Fincl Assur: YesCompl. Order? NoIS 5.9 OK? YesWell File Reviewed ☒Current Status: APD for current C-108 designWell Diagrams: NEW: Proposed ☒RE-ENTER: Before Conv. ☐After Conv. ☐Are Elogs in Imaging?: No - suite in proposalPlanned Rehab Work to Well: New well

Well Construction Details:		Sizes (in)	Setting	Cement	Cement Top and
		Borehole / Pipe	Depths (ft)	Sx or Cf	Determination Method
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Conductor					
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Surface		<u>26/20</u>	<u>0 to 500</u>	<u>1200</u>	<u>Cir. to surface</u>
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Interm Prod		<u>17 1/2 / 13 3/8</u>	<u>0 to 2000</u>	<u>None</u>	<u>Cir to Surface</u>
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Prod Interm		<u>12 1/4 / 9 5/8</u>	<u>0 to 9150</u>	<u>None</u>	<u>Cir to Surface</u>
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Liner/Prod		<u>8 1/2 / 7</u>	<u>0 to 12990</u>	<u>None</u>	<u>Cir to Surface</u>
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> OH/PERF		<u>6 1/8</u>	<u>12990 - 15500</u>	<u>1732</u>	
Completion/Operation Details:					
Injection Stratigraphic Units:		Depths (ft)	Injection or Confining Units	Tops?	
Adjacent Unit: Litho. <input checked="" type="checkbox"/> Struc. <input type="checkbox"/> Por. <input type="checkbox"/>			<u>Miss Line</u>	<u>12500</u>	
Confining Unit: Litho. <input checked="" type="checkbox"/> Struc. <input type="checkbox"/> Por. <input type="checkbox"/>		<u>+ 3</u>	<u>Woodford</u>	<u>12895</u>	
Proposed Inj Interval TOP:		<u>12990</u>	<u>Devonian / S. 11 / Ord</u>	<u>12990</u>	
Proposed Inj Interval BOTTOM:		<u>14722</u>	<u>Ellenburger</u>	<u>14722</u>	
Confining Unit: Litho. <input checked="" type="checkbox"/> Struc. <input type="checkbox"/> Por. <input type="checkbox"/>		<u>14722</u>	<u>Ellenburger</u>	<u>14722</u>	
Adjacent Unit: Litho. <input type="checkbox"/> Struc. <input type="checkbox"/> Por. <input type="checkbox"/>		<u>?</u>	<u>DE</u>	<u>?</u>	
AOR: Hydrologic and Geologic Information					
POTASH: R-111-PA <input checked="" type="checkbox"/> Noticed? <u>NA</u> BLM Sec Ord <u>NA</u> WIPP <u>NA</u> Noticed? <u>NA</u> SALADO: T: <u>566</u> B: <u>1900</u> CLIFF HOUSE <u>NA</u>					
FRESH WATER: Formation <u>Alluvial</u> Max Depth <u>100</u> Wells? <u>1</u> FW Analysis <input checked="" type="checkbox"/> HYDROLOGIC AFFIRM By Qualified Person <input checked="" type="checkbox"/>					
Disposal Fluid: Formation Source(s) <u>Bone Spring / Delaware</u> Analysis? <input checked="" type="checkbox"/> On Lease <input type="checkbox"/> Operator Only <input checked="" type="checkbox"/> or Commercial <input type="checkbox"/>					
Disposal Interval: Injection Rate (Avg/Max BWPD): <u>500/1000</u> Protectable Waters: <u>Unknown</u> CAPITAN REEF: thru <input type="checkbox"/> adj <input type="checkbox"/> NA <input checked="" type="checkbox"/>					
HC Potential: Producing Interval? <u>No</u> Formerly Producing? <u>No</u> Method: Logs/DST/P&A/Other <u>Unknown</u> 2-Mile Radius Pool Map <input type="checkbox"/>					
AOR Wells: 1/2-M Radius Map? <input checked="" type="checkbox"/> Well List? <input checked="" type="checkbox"/> Total No. Wells Penetrating Interval: <u>0</u> Horizontals? <u>None</u>					
Penetrating Wells: No. Active Wells <u>0</u> Num Repairs? <u>0</u> on which well(s)? <u>—</u> Diagrams: <u>Yes</u>					
Penetrating Wells: No. P&A Wells <u>0</u> Num Repairs? <u>0</u> on which well(s)? <u>—</u> Diagrams: <u>Yes</u>					
NOTICE: Newspaper Date <u>06/29/13</u> Mineral Owner <u>SLO</u> Surface Owner <u>SLO - leased</u> N. Date <u>9/12/13</u>					
RULE 26.7(A): Identified Tracts? <input checked="" type="checkbox"/> Affected Persons: <u>Legend Nat. / Marshall & Winter / Oxy / Reddy</u> Date <u>9/12/13</u>					

Permit Conditions:

Issues: Ellenburger included; no water-H/C potential for interval

Add Permit Cond:

Limit TD to top 100' of Ellenburger; mud log and salinity