DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
11/18/13		PRG	11/21/13	SWD	PPRG1332548004

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 Energy Prod L.P
El Paso ~~Federal~~ 29 Fed #1
30-015-22084
Devonian/s:l/Od
P&A well

[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		Operations Technician	11/15/2013
Print or Type Name	Signature	Title	Date

Stephanie.Porter@dvn.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery ___Pressure Maintenance ___X___Disposal _____Storage
Application qualifies for administrative approval? __X_____Yes _____No

II. OPERATOR: ____Devon Energy Production Company, LP_____

ADDRESS: _____333 West Sheridan Avenue, Oklahoma City, Oklahoma 73102-5010_____

CONTACT PARTY: __Stephanie A. Porter_____PHONE: _405-552-7802

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____Yes __X_____No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: ____Stephanie A. Porter_____TITLE: _____Operations Technician____
SIGNATURE: _____DATE: 11/15/2013

E-MAIL ADDRESS: _____Stephanie.Porter@dvn.com _____

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

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

Side 1

INJECTION WELL DATA SHEET

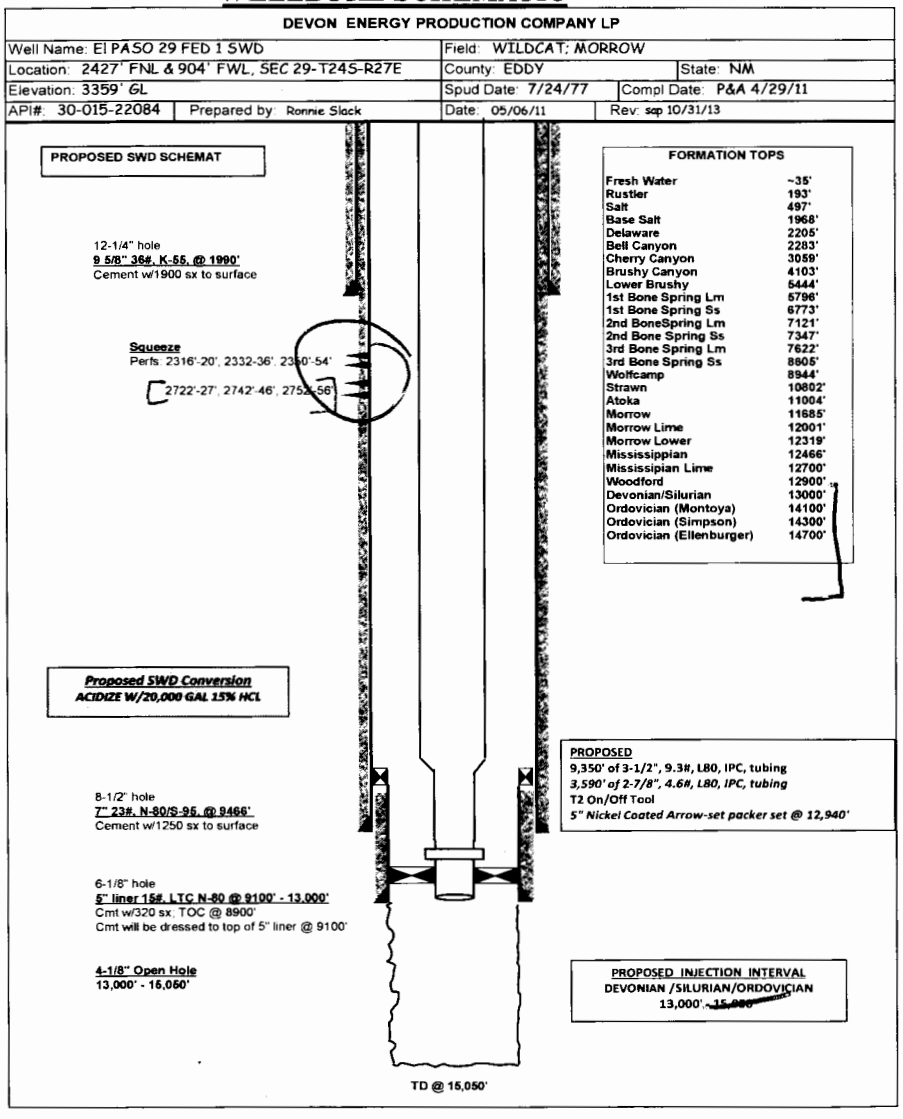
OPERATOR: Devon Energy Production Company, LP

WELL NAME & NUMBER: EL PASO ~~FEDERAL~~ 29 FED 1 SWD

WELL LOCATION: 2427' FNL & 904' FWL E Sec 29 T24S R27E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Existing Surface Casing

Hole Size: 12-1/4" Casing Size: 9-5/8", 36# @ 1990'

Cemented with: 1900 sx. ***or*** _____ ft³

Top of Cement: Surface Method Determined: Circ. cement

Existing Intermediate Casing

Hole Size: 8-1/2" Casing Size: 7", 23#, @ 9466'

Cemented with: 1250 sx. ***or*** _____ ft³

Top of Cement: Surface Method Determined: Circ. cement

Proposed Production Casing

Hole Size: 6-1/8" Casing Size: 5"liner, 15#, @ 13000'

Cemented with: 320 sx. ***or*** _____ ft³

Top of Cement: TOC @ 8900' Method Determined: Calc ~~TOC~~ CBL

Total Depth: TOL @ 9100' TD @ 15050'

Injection Interval (Open Hole)

13000' to ~~15050'~~ 14,700'+100' 14,800'

(Perforated or Open Hole; indicate which)

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.

Proposed Injection Well: El Paso 29 Fed #1 SWD
API: 30-015-22084
APPLICATION FOR INJECTION
Form C-108 Section III

III. Well Data--On Injection Well

A. Injection Well Information

(1)	**Lease**	El Paso 29 Fed
	Well No	#1 SWD
	Location	2427' FNL & 904' FWL
	Sec,Twn,Rnge	Sec 29-T24S-R27E
	Cnty, State	Eddy County, NM
(2)	**Casing**	9-5/8", 36#, K55, @ 1,990' Cmt'd w/1900, circ cmt to surf 7", 23#, N-80 /S-95 @ 9466' Cmt w/1250 sx, circ cmt to surf 5" liner, 15#, LTC N-80 @ 13000' Cmt w/320 sx, TOL @ 9100' TOC @ 8900'; Cmt will be dressed to TOL @ 9100'
(3)	**Injection Tubing**	9,350' of 2-7/8" IPC injection tubing 3,590' of 3-1/2" IPC injection tubing
(4)	**Packer**	5" Nickel Coated Arrowset Packer @ +/- 12,940'

B. Other Well Information

(1)	**Injection Formation:**	Devonian/Silurian/Ordovician
	Field Name:	(to be assigned)
(2)	**Injection Interval:**	13000' - 15050'

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

Drill and convert to SWD

(4) **Other perforated intervals:**

n/a

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

Rustler 93 (Fresh Water ~35); Salt 497 (Barren); Base Salt (change to anhy) 1968 (Barren); Delaware 2205 (Barren); Bell Canyon 2283 (Oil); Cherry Canyon 3059 (Oil); Brushy Canyon 4103 (Oil); Lower Brushy 5444 (Oil); 1st Bone Spring Lm 5796 (Oil); 1st Bone Spring Ss 6773 (Oil); 2nd BoneSpring Lm 7121 (Oil); 2nd Bone Spring Ss 7347 (Oil); 3rd Bone Spring Lm 7622 (Oil); 3rd Bone Spring Ss 8605 (Oil); Wolfcamp 8944 (Gas); Strawn 10802 (Gas); Atoka 11004 (Gas); Morrow 11685 (Gas); Morrow Lime 12001 (Gas); Morrow Lower 12319 (Gas); Mississippian 12466 (Gas); Mississipian Lime 12700 (Gas); Woodford 12900 (Barren); Devonian/Silurian 13000 (Barren); Ordovician (Montoya) 14100 (Barren); Ordovician (Simpson) 14300 (Barren); Ordovician (Ellenburger) 14700 (Barren)

Proposed Injection Well: El Paso 29 Fed #1 SWD
API: 30-015-22084
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: 1300 psi
Proposed max injection pressure: 2600 psi

(4) The injection fluid will be produced water from area wells producing from the Delaware and/or Bone Spring formation that will be injected into the Devonian/Silurian/Ordovician formation.

(5) No representative water analysis are submitted for the Delaware & Bone Spring formation(s).

VIII Geologic Injection Zone Data

The injection zone is the Devonian/Silurian/Ordivician formation from 13000' to 15050'. The gross injection interval is 2050' thick. 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 El Paso 29 Fed 1 SWD well, representative anlalysis' have been provided.

XII Geologic / Engineering Statement

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

Name of the Injection Formation: **Devonian/Silurian/Ordovician**
Field or Pool Name (if known):
Injection Interval: **13,000'-~~15,050'~~ open hole**
Depth to Fresh Water's Stratagraphic Unit Name: **Rustler**
Depth to Ground Water: **35' (C 01169; NWSESW 18-24S-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 (12,466'); 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).

El Paso Fed 29 #1 (Re-Entry SWD) (2427' FNL & 904' FWL 29-24S-27E; PTD 15050')
The proposed interval for disposal per the El Paso 29 Fed #1 (Re-Entry SWD) APD is the Devonian/Silurian/Ordovician from 13,000' to 15,050'. 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 (1.09 miles SW), State 'AK' #1 in 32-T23S-R27E (4.82 miles North), Cigarillo SWD #1 in 36-T23S-R27E (6.78 miles NE), and HNG Pardue /31/ Com #1 in 31-T23S-R28E (7.0 miles NE). These wells are shown on the subsequent map and cross-section along with the proposed re-entry of the El Paso Fed 29 #1. These wells tested the Devonian/Silurian/Ordovician in some capacity or are actively disposing in subject interval. None of the DST, IPF or PTS tests produced hydrocarbons in quantities that warranted further testing and/or completion. Below are the test results for the four (4) offset wells in the cross-section.

1. Fed-Wiggs 31 #1 (API# 3001501137)
   a. Closest test to the proposed El Paso Fed 29 #1 (re-entry), is 1.09 miles and ~100 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 El Paso Fed 29 #1 (re-entry) and ~75 FT downdip
   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 El Paso Fed 29 #1 (re-entry) and ~660 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 El Paso Fed 29 #1 (re-entry) and ~800 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)

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

10/31/13
Date:

XIII Proof of Notice

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

INJECTION WELL DATA SHEET

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

Type of Packer: ___5" 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? P&A'd Well

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

   _____

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

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

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

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

   Rustler 93 (Fresh Water ~35); Salt 497 (Barren); Base Salt (change to anhy) 1968 (Barren); Delaware 2205 (Barren); Bell Canyon 2283 (Oil); Cherry Canyon 3059 (Oil); Brushy Canyon 4103 (Oil); Lower Brushy 5444 (Oil); 1st Bone Spring Lm 5796 (Oil); 1st Bone Spring Ss 6773 (Oil); 2nd BoneSpring Lm 7121 (Oil); 2nd Bone Spring Ss 7347 (Oil); 3rd Bone Spring Lm 7622 (Oil); 3rd Bone Spring Ss 8605 (Oil); Wolfcamp 8944 (Gas); Strawn 10802 (Gas); Atoka 11004 (Gas); Morrow 11685 (Gas); Morrow Lime 12001 (Gas); Morrow Lower 12319 (Gas); Mississippian 12466 (Gas); Mississipian Lime 12700 (Gas); Woodford 12900 (Barren); Devonian/Silurian 13000 (Barren); Ordovician (Montoya) 14100 (Barren); Ordovician (Simpson) 14300 (Barren); Ordovician (Ellenburger) 14700 (Barren)

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: El PASO 29 FED 1 SWD	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)*

FORMATION TOPS

Fresh Water	~35'
Rustler	193'
Salt	497'
Base Salt	1968'
Delaware	2205'
Bell Canyon	2283'
Cherry Canyon	3059'
Brushy Canyon	4103'
Lower Brushy	5444'
1st Bone Spring Lm	5796'
1st Bone Spring Ss	6773'
2nd BoneSpring Lm	7121'
2nd Bone Spring Ss	7347'
3rd Bone Spring Lm	7622'
3rd Bone Spring Ss	8605'
Wolfcamp	8944'
Strawn	10802'
Atoka	11004'
Morrow	11685'
Morrow Lime	12001'
Morrow Lower	12319'
Mississippian	12466'
Mississipian Lime	12700'
Woodford	12900'
Devonian/Silurian	13000'
Ordovician (Montoya)	14100'
Ordovician (Simpson)	14300'
Ordovician (Ellenburger)	14700'

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)*

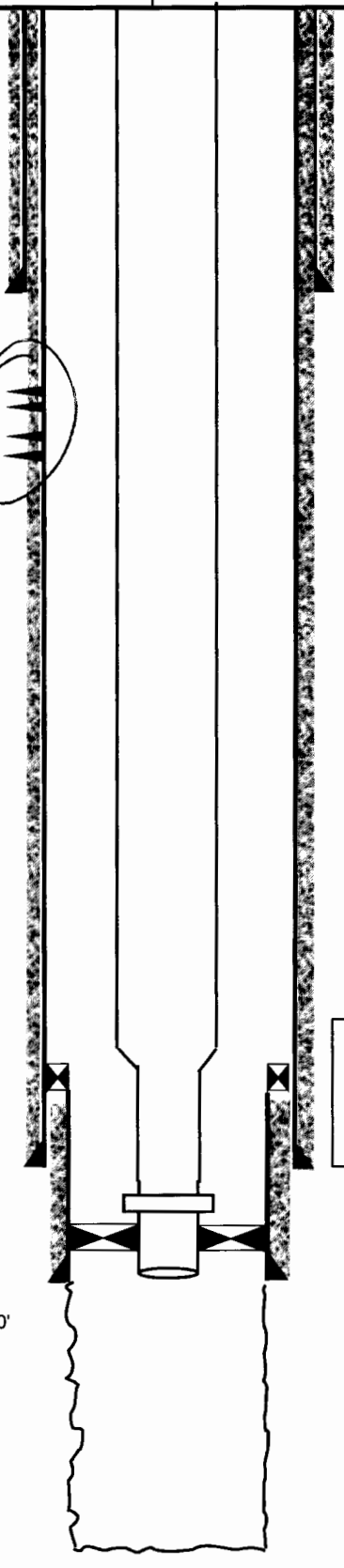
Well re-entered & plugs drilled out to 11163' *(7/31/10)*

TD @ 12,400'

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: El PASO 29 FED 1 SWD	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: sap 10/31/13

PROPOSED SWD SCHEMAT



12-1/4" hole
9 5/8" 36#, K-55, @ 1990'
Cement w/1900 sx to surface

Squeeze
Perfs: 2316'-20', 2332-36', 2350'-54'
2722'-27', 2742'-46', 2752'-56'

FORMATION TOPS

Fresh Water	~35'
Rustler	193'
Salt	497'
Base Salt	1968'
Delaware	2205'
Bell Canyon	2283'
Cherry Canyon	3059'
Brushy Canyon	4103'
Lower Brushy	5444'
1st Bone Spring Lm	5796'
1st Bone Spring Ss	6773'
2nd BoneSpring Lm	7121'
2nd Bone Spring Ss	7347'
3rd Bone Spring Lm	7622'
3rd Bone Spring Ss	8605'
Wolfcamp	8944'
Strawn	10802'
Atoka	11004'
Morrow	11685'
Morrow Lime	12001'
Morrow Lower	12319'
Mississippian	12466'
Mississipian Lime	12700'
Woodford	12900'
Devonian/Silurian	13000'
Ordovician (Montoya)	14100'
Ordovician (Simpson)	14300'
Ordovician (Ellenburger)	~~14700'~~ 14450+150

~ 14600 to 14800

Proposed SWD Conversion
ACIDIZE W/20,000 GAL 15% HCL

PROPOSED
9,350' of 3-1/2", 9.3#, L80, IPC, tubing
3,590' of 2-7/8", 4.6#, L80, IPC, tubing
T2 On/Off Tool
5" Nickel Coated Arrow-set packer set @ 12,940'

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

6-1/8" hole
5" liner 15#, LTC N-80 @ 9100' - 13,000'
Cmt w/320 sx; TOC @ 8900'
Cmt will be dressed to top of 5" liner @ 9100'

4-1/8" Open Hole
13,000' - 15,050'

PROPOSED INJECTION INTERVAL
DEVONIAN /SILURIAN/ORDOVICIAN
13,000' - 15,050'

Not below top of Ellenburger

TD @ 15,050'

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

5. Lease Serial No.: NM-9551

6. If Indian, Allottee or Tribe Name:

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

1. Type of Well
☐ Oil Well ☐ Gas Well ☑ Other SWD

8. Well Name and No.: El Paso 29 Fed 1 SWD

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

9. API Well No.: 30-015-22084

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

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

10. Field and Pool or Exploratory Area: Devonian/Silurian/Ordovician

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*: 1980' FNL & 660' FWL, Sec 29-T24S-R27E

11. Country or Parish, State: Eddy County, NM

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

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

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

PROPOSED SWD CONVERSION: Devon is filing Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division in Santa Fe, New Mexico. Proposed SWD conversion is in the Devonian/Silurian/Ordovician formation (open hole from 13,000' - 15,050').

1. Wait on OCD C108 and BLM approval of reentry
2. Install and test anchors, clear location to approved C102 dimensions, dig out cellar.
3. Weld on new wellhead to existing csg strings, and test.
4. MIRU. Drill out cement plugs in 7" csg and pressure test.
5. Drill out 6-1/8" plug back 9,204'-13,000'
6. Set 5" 15# liner 9,100'-13,000', cement to hanger.
7. Drill out 4-1/8" open hole 13,000'-15,050' into Ordovician frm.
8. Stimulate injection zone below liner with 20,000 gal 15% HCl NEFE
9. RIH tapered inj string and packer; 9,350' 3-1/2" 9.3#, L-80 IPC; 3,590' 2-7/8", 4/6# L80 IPC; 5" x 2-7/8" ret packer.
10. Set packer 50' above 5" csg shoe, +/- 12,940', circ packer fluid.
11. Notify NMOCD and BLM, run MIT and chart. File with NMOCD.
12. Initiate injection into well.

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*: Stephanie A. Porter

Title: Operations Technician

Signature:

Date:

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

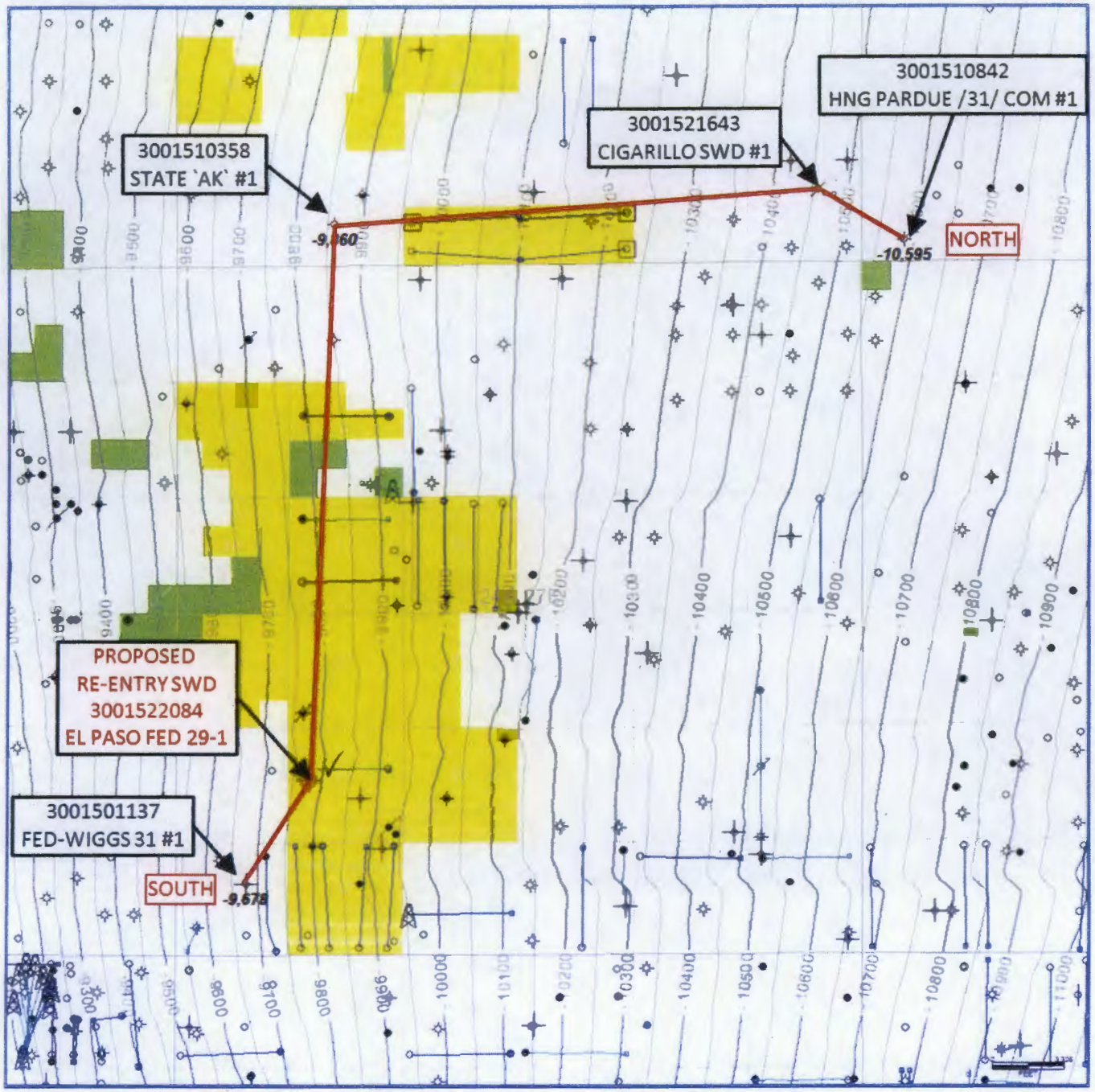
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

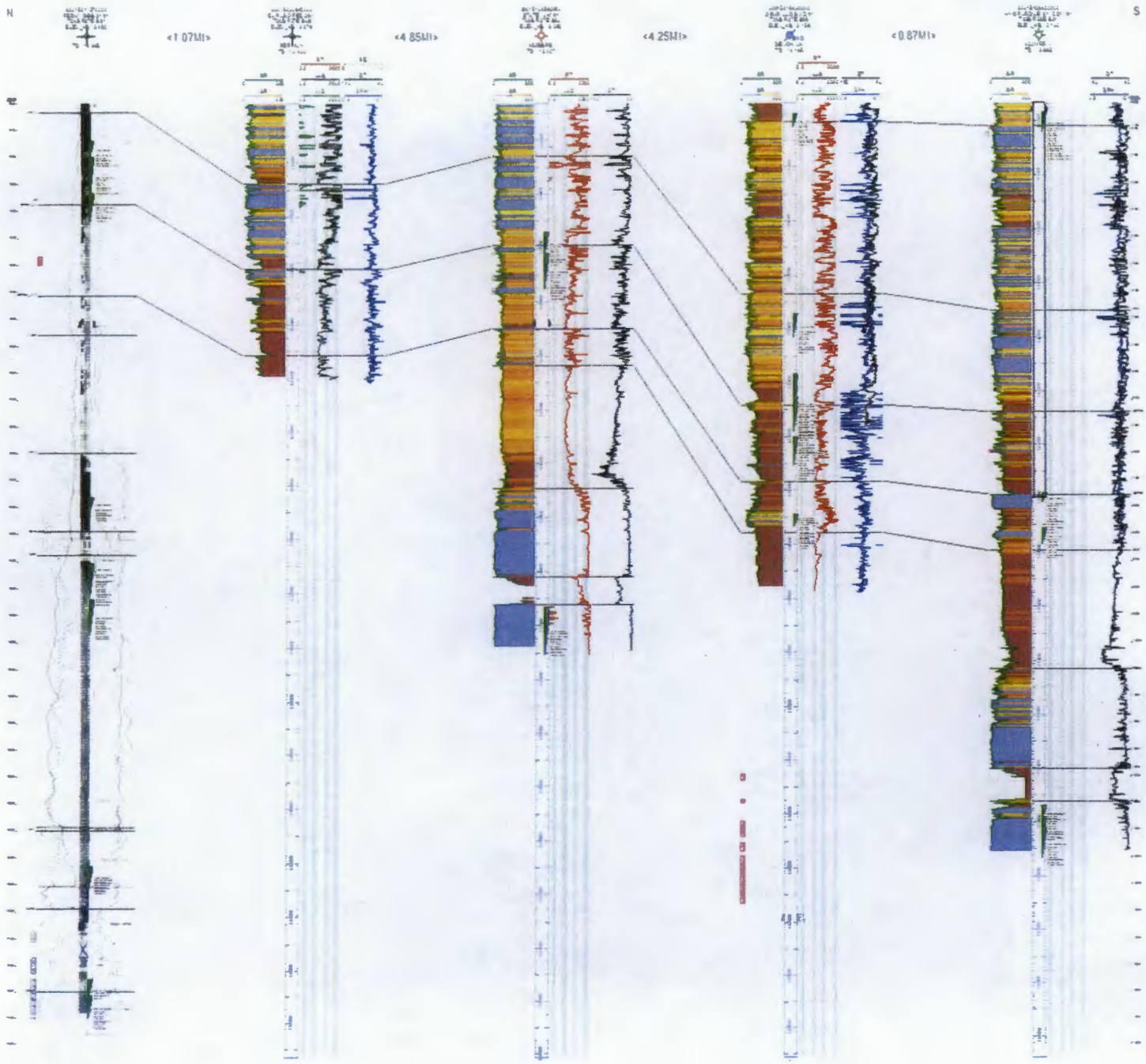
Office

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

(Instructions on page 2)

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

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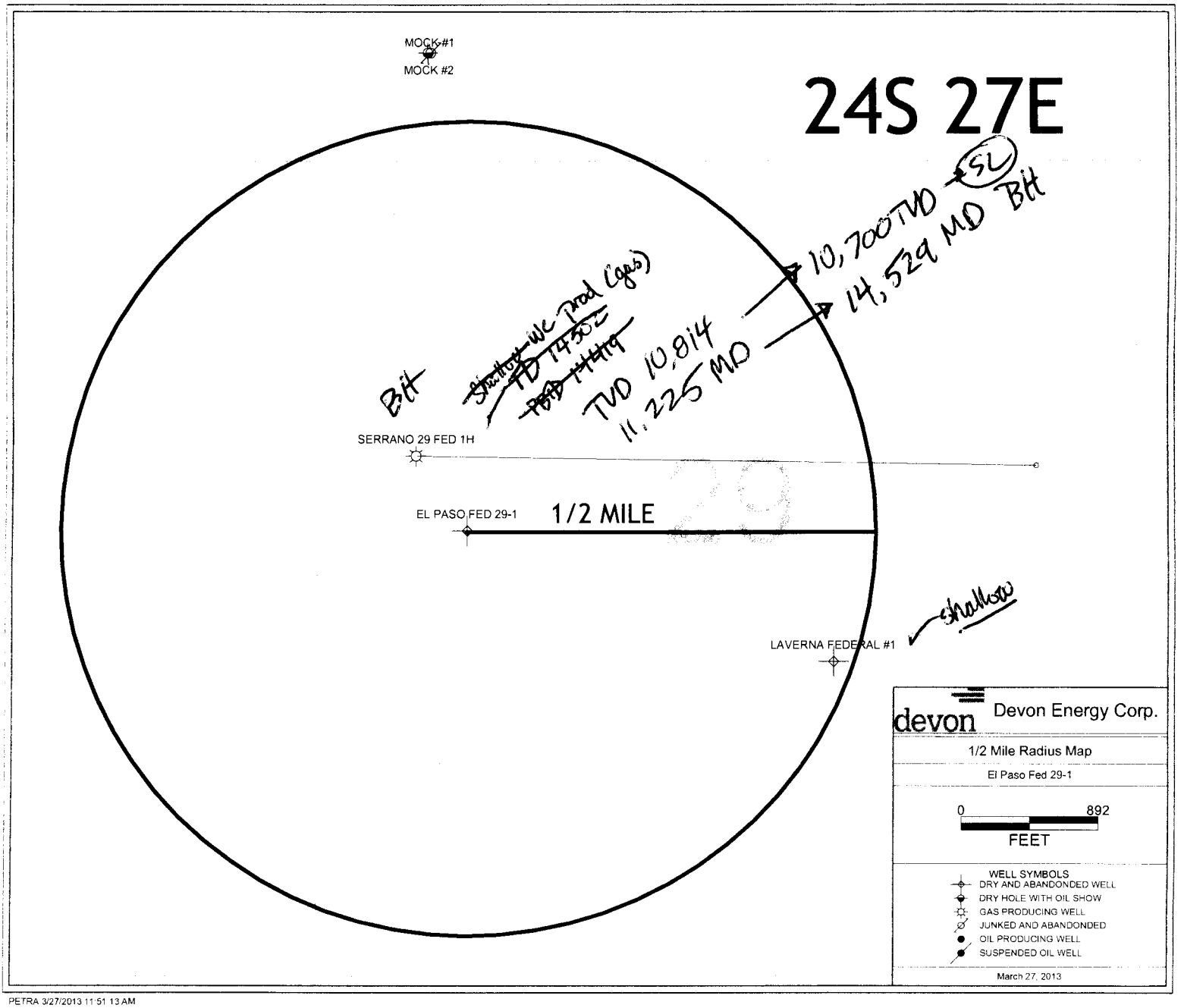
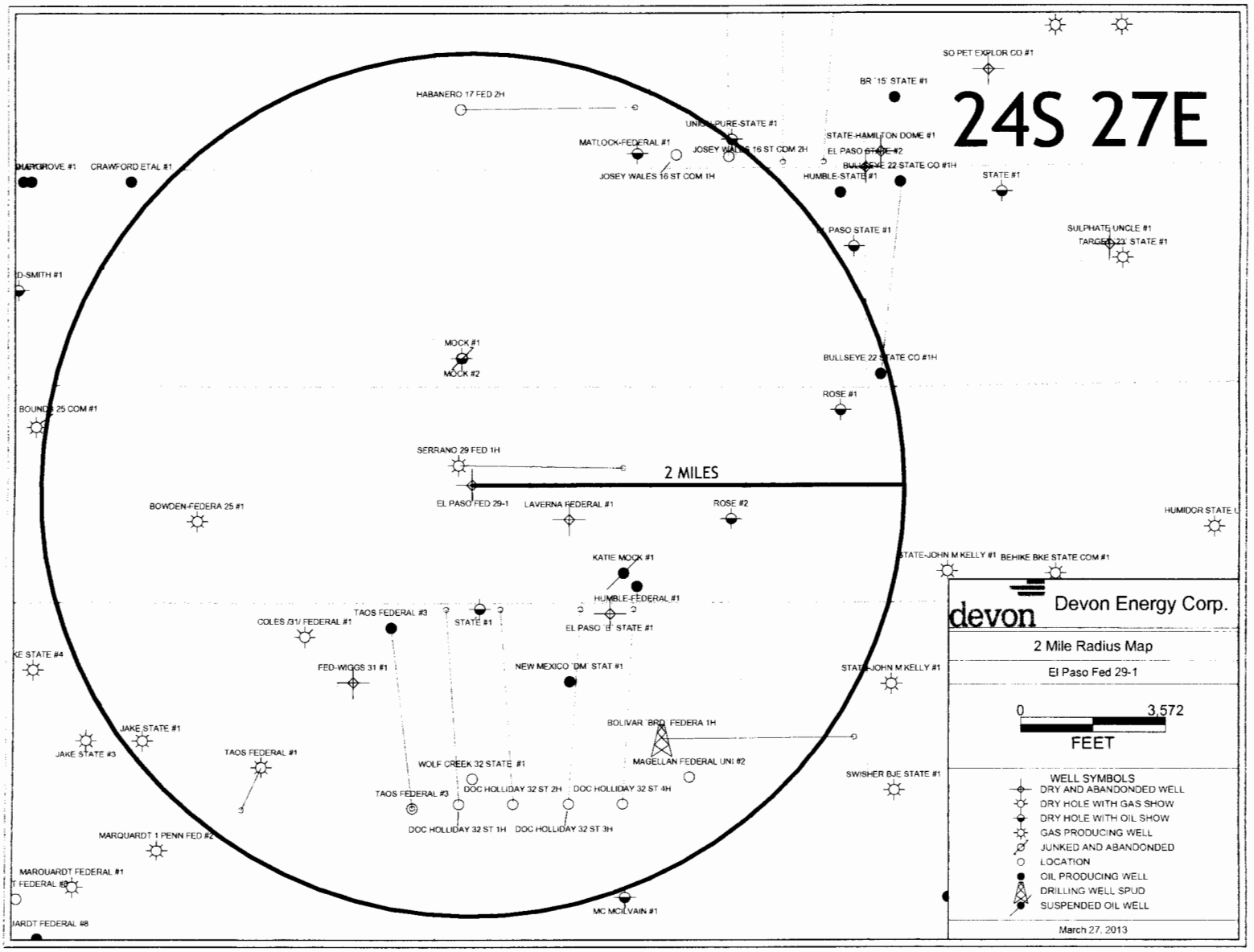


PETRA 3/27/2013 11:51:13 AM



PETRA 3/27/2013 11 39:23 AM

C108 ITEM VI--Well Tabulation in 1/2 Mile Review Area
Devon Energy Production Company, LP
Proposed Inj Well: EL PASO 29 FED 1 SWD
Proposed Formation: Devonian/Silurian/Ordovician
Proposed Interval: 13000' - 15050'

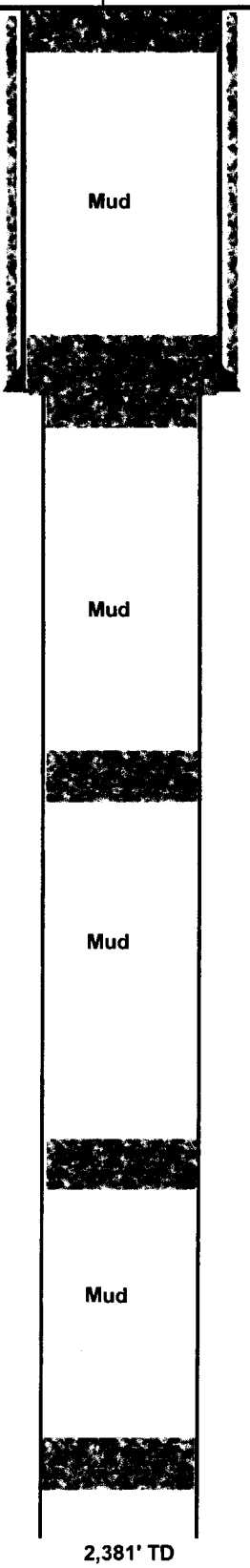
Operator	Well Name	API NO	County	Surf Location	Sec	Twn	Rnge	Type	Status	Spud Date	Comp Date	TD	PBTD	Comp Zone	Comp Interval-Ft	Casing Program	Cement / TOC
Devon Energy Prod Co LP	EL Paso 29 Fed 1 SWD	30-015-22084	Eddy	2460' FNL 943' FWL	29	24S	27E	Dry Hole	P&A	7/24/1977	9/12/1977	12400	Surf	Morrow	2316 - 2756'	9-5/8", 36#, @ 1990' 7", 23#, @ 9466' 5", 15# @ 9100-13000'	1900 sx / surface 1250 sx / surface 320 sx/ 8900 toc
Orla Petco, Inc.	LaVerana-Federal 1	30-015-23526	Eddy	1980' FSL 1980' FEL	29	24S	27E	Dry Hole	P&A	11/1/1980	12/10/1980	2381	Surf	n/a	n/a	8-5/8", 23#, @ 350'	250 sx / surface
Devon Energy Prod Co LP	Serrano 29 Federal 1	30-015-37763	Eddy	1980' FNL 660' FEL	29	24S	27E	Gas	Active	9/3/2010	2/1/2011	14502	14419	Wolfcamp	10712-14417'	20", 94# @ 213' 13-3/8", 68#, @ 3018' 9-5/8", 36#, @ 9005' 5-1/2", 23#, @ 14502'	586 sx / surface 1050 sx / surface 1670 sx / surface 1730 sx / 9954 toc

ϕ Wells penetrate

ORLA PETCO, INC.

Well Name: LAVERNA FEDERAL 1	Field: SULFATE DRAW DELAWARE	
Location: 1980' FSL & 1980' FEL; SEC 29-T24S-R27E	County: EDDY	State: NM
Elevation: 3373.6' GL	Spud Date: 11/1/80	Compl Date: P&A-12/10/80
API#: 30-015-23526 Prepared by: Ronnie Slack	Date: 8/14/13	Rev:

Dry Hole. Plugging Schemat based on NMOCD records dated 12/10/80



10 sx cmt surface plug

12" Hole
8-5/8", 23#, @ 350'
Cmt'd w/250 sx

35 sx cmt 300' - 400'

35 sx cmt 1,330' - 1,430'

35 sx cmt 1,990' - 2,090'

35 sx cmt 2,275' - 2,375'

8" Open Hole from 350' to 2,381'
No Production Casing Set

2,381' TD

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: NM- 38631

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☐ OTHER: DRY HOLE

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Orla Petco, Inc.

8. FARM OR LEASE NAME: LaVerna-Federal

3. ADDRESS OF OPERATOR: P.O. Box 1383, Midland, Texas 79702

9. WELL NO.: 1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1980' FSL & 1980' FEL of Section 29

10. FIELD AND POOL, OR WILDCAT: ~~Wildcat~~

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 29, T-24S, R-27E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3373.6' Ground Level

12. COUNTY OR PARISH: Eddy County

13. STATE: New Mexico

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	XXX
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			☐
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

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

Spud Date: 11/1/80

Plug and Abandon well with the following plugs: December 10, 1980

*Plug #1 - 35 sx - 100' plug from 2275' - 2375'

*Plug # 2- 35 sx - 100' plug from 1990' - 2090'

*Plug # 3- 35 sx - 100' plug from 1330' - 1430'

*Plug # 4- 35 sx - 100' plug from 300' - 400'

*Plug # 5- 10 sx at surface.

* Mud laden brine water between all plugs. Job done by Halliburton. Rigging down and preparing to move off location.

RECEIVED
JAN
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

RECEIVED
FEB 05 1981
O. C. D.

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

SIGNED James C. Petty TITLE Vice-President DATE 12/12/80

(This space for Federal or State office use)

APPROVED (Orig. Sgd.) PETER W. CHESTER TITLE ACTING DISTRICT ENGINEER DATE FEB 2 1981

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-330
(Rev. 5-63)

C/SF

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM-38631

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT AGREEMENT NAME:

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

8. FARM OR LEASE NAME: LaVerna-Federal

2. NAME OF OPERATOR: Orla Petco, Inc.

9. WELL NO.: 1

3. ADDRESS OF OPERATOR: P.O. Box 1383, Midland, Texas 79702

10. FIELD AND POOL, OR WILDCAT: Sulfate Draw Delaware ~~Wildcat~~

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1980' FSL & 1980' FEL of Section 29,
At top prod. interval reported below: 1980' FSL & 1980' FEL of Section 29
At total depth: 1980' FSL & 1980' FEL of Section 29

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Unit-J
Section 29, T-24S, R-27E

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR PARISH: Eddy County | 13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
11/1/80	12/8/80	12/10/80	3373.6' Ground Level	3374.6'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
2381' (Log)	Plug & Abandon		→		XXXXXXXXX

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
----------DRY HOLE----------

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: Gamma Ray Log - Compensated Formation Density Log

27. WAS WELL CORED: NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	23#	350'	12"	250 sx Class C	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)
DRY HOLE

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

RECEIVED
FEB 05 1981
O. C. D.
ARTESIA, OFFICE

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
---	---	DRY HOLE

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

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

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

35. LIST OF ATTACHMENTS
Copy of Electric Log

ACCEPTED FOR RECORD
JAN 21 1981
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED James L. C. Petched TITLE Vice-President DATE 12/11/80

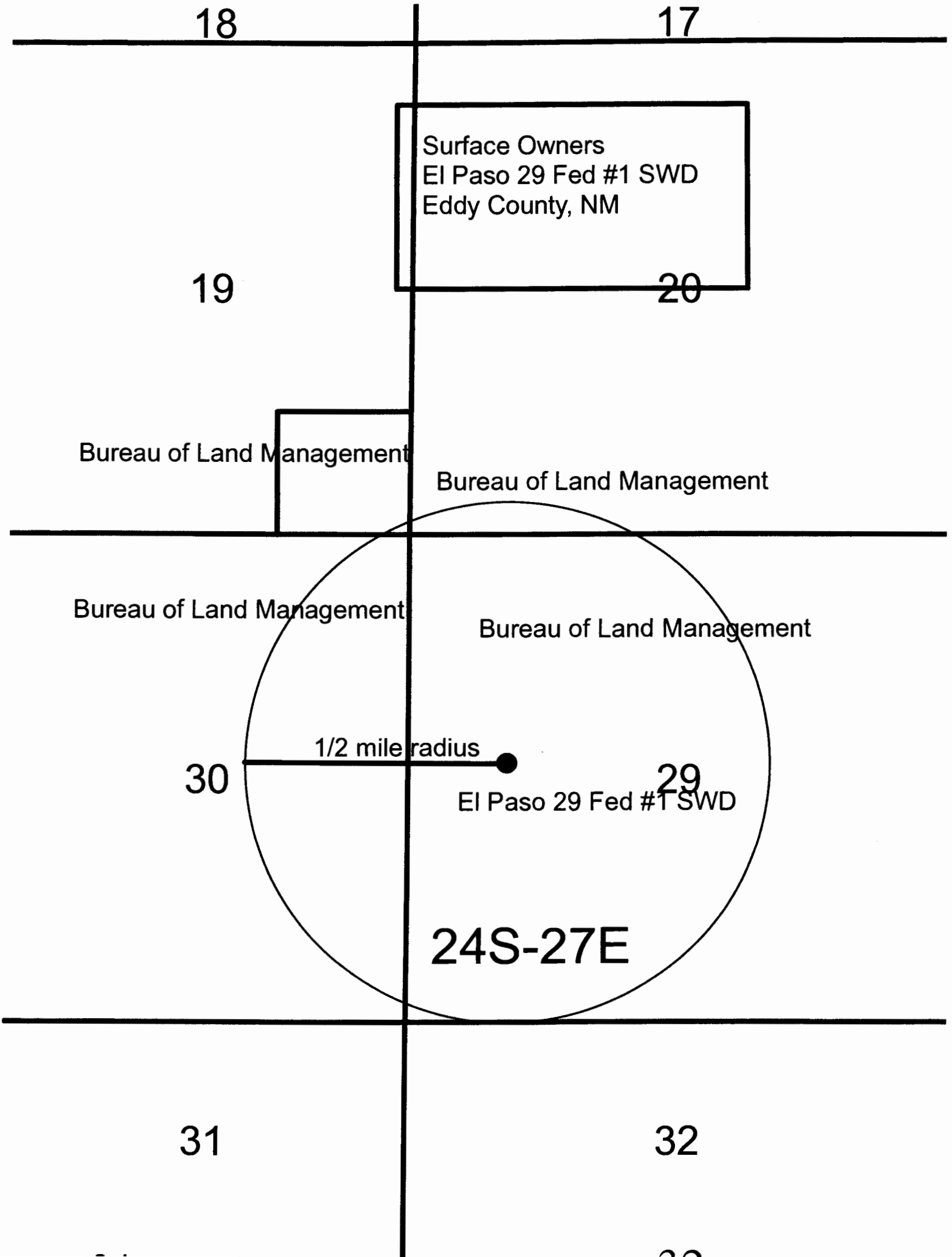
*(See Instructions and Spaces for Additional Data on Reverse Side)

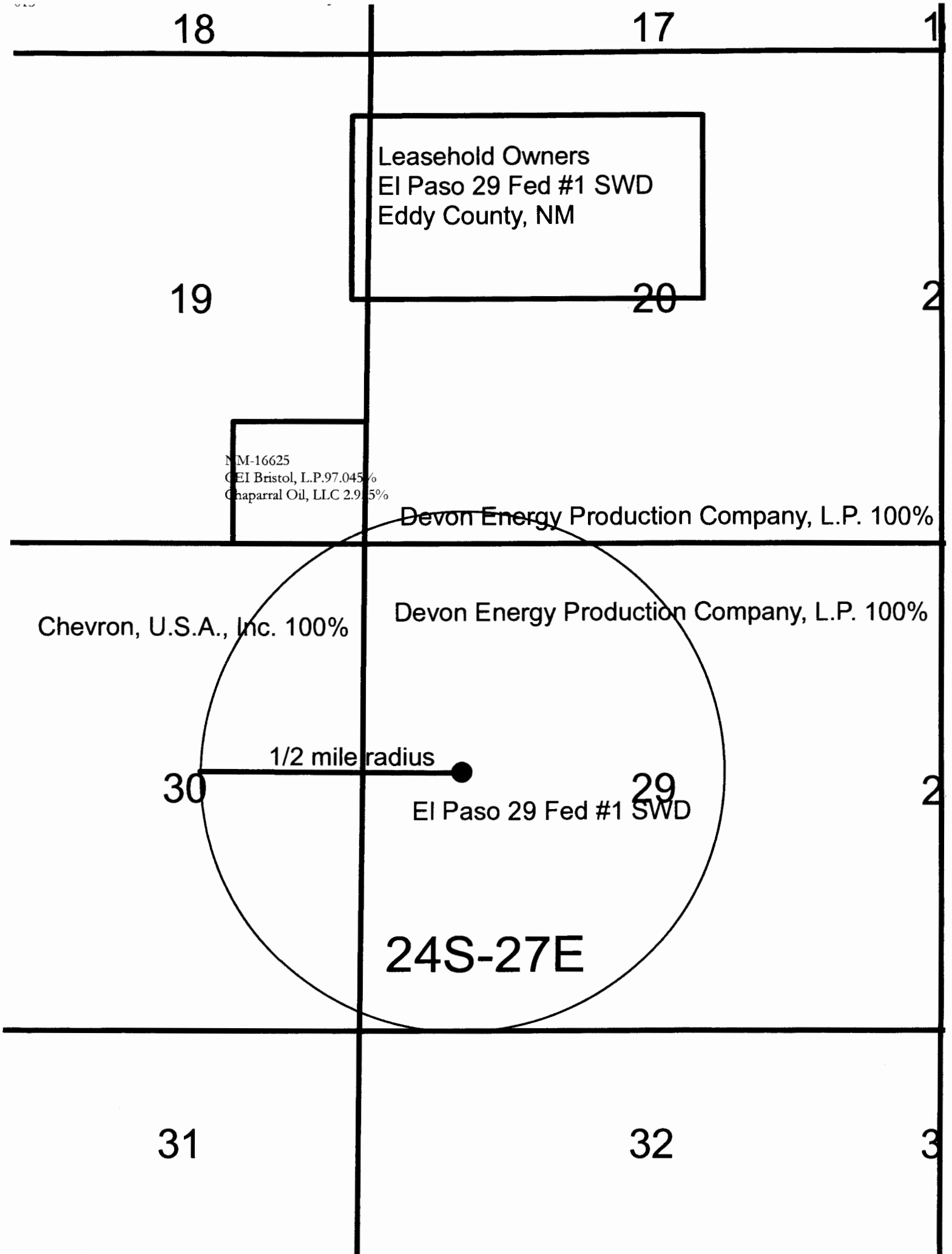
INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: See also *Cement*". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS			
FOR [illegible]	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
					MEAS. DEPTH	TRUE VERT. DEPTH	
Delaware Sand	2248'	2381'	Sandy, gray, shaly, calcareous	Base of Salt	2050'	2043'	Log
				Top Delaware	2255'	2248'	"
				Top of Salt	1387'	1380'	"
				Top Ramsey Sand	2331'	2324'	"

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636


18
17
Surface Owners
El Paso 29 Fed #1 SWD
Eddy County, NM
19
20
Bureau of Land Management
Bureau of Land Management
Bureau of Land Management
Bureau of Land Management
1/2 mile radius
30
29
El Paso 29 Fed #1 SWD
24S-27E
31
32


18
17
Leasehold Owners
El Paso 29 Fed #1 SWD
Eddy County, NM
19
20
NM-16625
GEI Bristol, L.P.97.045%
Chaparral Oil, LLC 2.955%
Devon Energy Production Company, L.P. 100%
Chevron, U.S.A., Inc. 100%
Devon Energy Production Company, L.P. 100%
1/2 mile radius
30
29
El Paso 29 Fed #1 SWD
24S-27E
31
32

Surface Ownership
½ mile El Paso 29 Fed #1 SWD
Section 29-24S-R27E
Eddy County, NM

Section 19: SE/4 SE/4
Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, NM 88220-6292

Section 20: All
Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, NM 88220-6292

Section 29: All
Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, NM 88220-6292

Section 30: All
Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, NM 88220-6292

Leasehold Ownership
½ mile El Paso 29 Fed #1 SWD
Section 29-24S-R27E
Eddy County, NM

Section 19: SE/4 SE/4	
CEI Bristol Acquisition, L.P. **701 Cedar Lake Blvd.** **Oklahoma City, OK 73114-7806**	**97.045%**
Chaparral Energy, LLC **701 Cedar Lake Blvd.** **Oklahoma City, OK 73114-7806**	**2.955%**
Section 20: All	
Devon Energy Production Company, L.P. **333 West Sheridan** **Oklahoma City, OK 73102**	**100%**
Section 29: All	
Devon Energy Production Company, L.P. **333 West Sheridan** **Oklahoma City, OK 73102**	**100%**
Section 30: All **Chevron U.S.A., Inc.** **1400 Smith Street** **Houston, TX 77002-7327**	**100%**

Section XIV--Proof of Notice to Leasehold Operators
Devon Energy Prod Co LP
C108 Application For Injection
Proposed Well: El Paso 29 Fed 1 SWD

Proof of Notice to Leasehold Operators within 1/2 mile of El Paso 29 Fed 1 SWD

CEI Bristol Acquistion, L.P.
701 Cedar Lake Blvd.
Okalahoma City, OK 73114-7806

Certified receipt No.
7008 1830 0002 7421 6085

Chaparral Energy, LLC
701 Cedar Lake Blvd.
Okalahoma City, OK 73114-7806

Certified receipt No.
7008 1830 0002 7421 6092

Chevron U.S.A., Inc.
1400 Smith Street
Houston, Texas 77002-7327

Certified receipt No.
7008 1830 0002 7421 6108

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 El Paso 29 Fed 1 SWD.

Date Mailed: 11/15/2013

Signature: _____ Date: 11/15/2013

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

Section XIV--Proof of Notice to Surface Land Owner
Devon Energy Prod Co LP
C108 Application For Injection
Proposed Well: El Paso 29 Fed 1 SWD

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

Certified receipt No.
7008 1830 0002 7421 6115

Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, NM 88220-6292

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 El Paso 29 Fed 1 SWD.

Date Mailed: 11/15/2013

Signature: _____ Date: 11/15/2013

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

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

EL Paso Federal 29 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	
Sampling Date:	5/22/2013
Analysis Date:	6/12/2013
Analyst:	SANDRA GOMEZ
TDS (mg/l or g/m3):	2334.6
Density (g/cm3, tonne/m3):	1.002
Anion/Cation Ratio:	1.2516530
Carbon Dioxide:	0 PPM
Oxygen:	
Comments:	

Analysis of Sample 578341 @ 75 °F

Anions	mg/l	meq/l	Cations	mg/l	meq/l
Chloride:	**69.0**	**1.95**	**Sodium:**	**238.0**	**10.35**
Bicarbonate:	**244.0**	**4.**	**Magnesium:**	**89.0**	**7.32**
Carbonate:	**0.0**	**0.**	**Calcium:**	**439.0**	**21.91**
Sulfate:	**1244.0**	**25.9**	**Strontium:**	**8.0**	**0.18**
Phosphate:			**Barium:**	**0.1**	**0.**
Borate:			**Iron:**	**0.5**	**0.02**
Silicate:			Potassium:	3.0	0.08
			Aluminum:		
Hydrogen Sulfide:		0 PPM	Chromium:		
pH at time of sampling:		7.6	Copper:		
pH at time of analysis:			Lead:		
pH used in Calculation:		**7.6**	Manganese:	0.025	0.
			Nickel:		

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

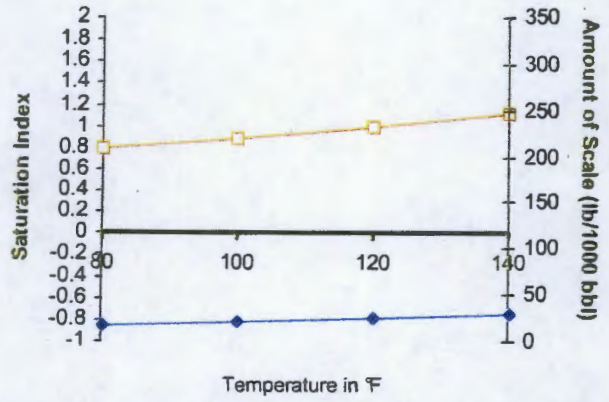
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

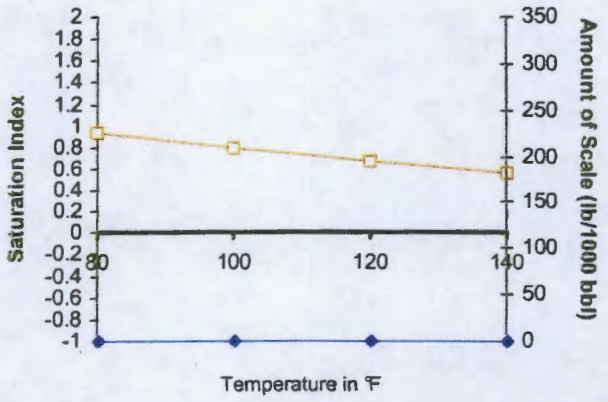
Scale Predictions from Baker Petrolite

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

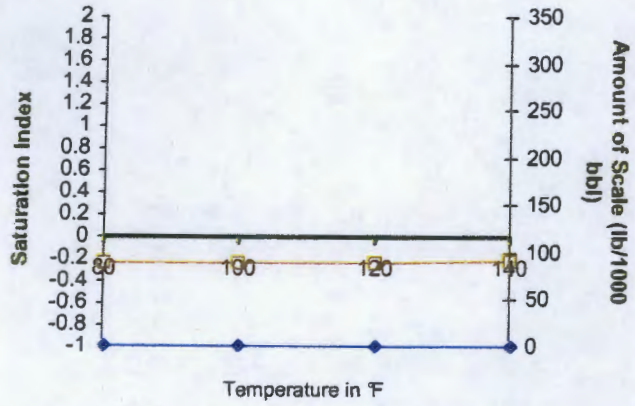
Calcite - CaCO3



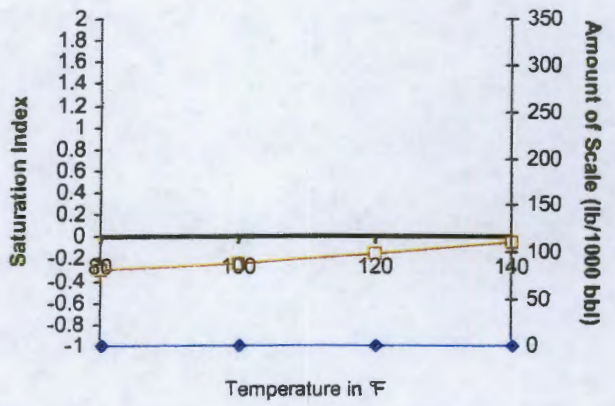
Barite - BaSO4



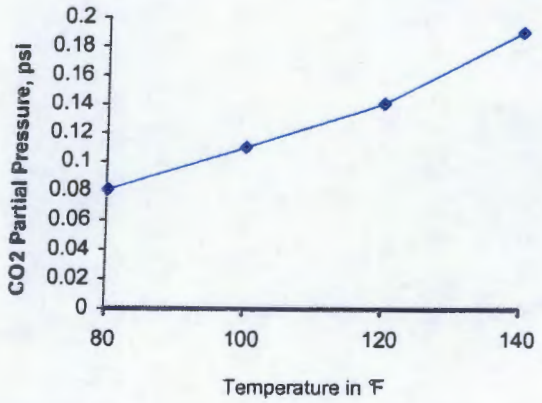
Gypsum - CaSO4*2H20



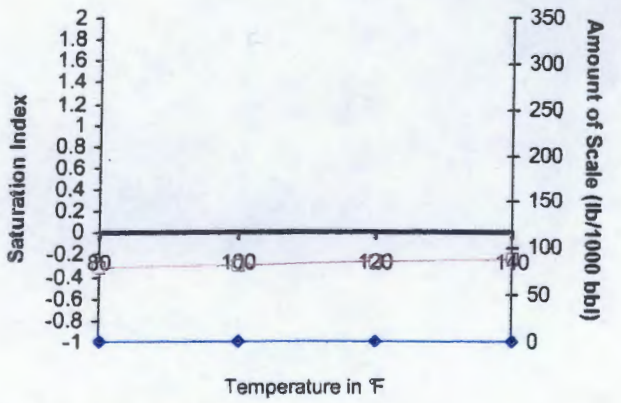
Anhydrite - CaSO4



Carbon Dioxide Partial Pressure



Celestite - SrSO4



EL Paso Federal 29 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	
Sampling Date:	5/22/2013
Analysis Date:	6/12/2013
Analyst:	SANDRA GOMEZ
TDS (mg/l or g/m3):	3142.4
Density (g/cm3, tonne/m3):	1.003
Anion/Cation Ratio:	1.335596
Carbon Dioxide:	0 PPM
Oxygen:	
Comments:	

Analysis of Sample 658181 @ 75 °F

Anions	mg/l	meq/l	Cations	mg/l	meq/l
Chloride:	**199.0**	**5.61**	**Sodium:**	**245.0**	**10.66**
Bicarbonate:	**219.6**	**3.6**	**Magnesium:**	**120.0**	**9.87**
Carbonate:	**0.0**	**0.**	**Calcium:**	**731.0**	**36.48**
Sulfate:	**1617.0**	**33.67**	**Strontium:**	**7.5**	**0.17**
Phosphate:			**Barium:**	**0.1**	**0.**
Borate:			**Iron:**	**0.7**	**0.03**
Silicate:			Potassium:	2.5	0.06
			Aluminum:		
Hydrogen Sulfide:		0 PPM	Chromium:		
pH at time of sampling:		6.7	Copper:		
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 $CaSO_4 * 2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		CO_2 Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.02	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.

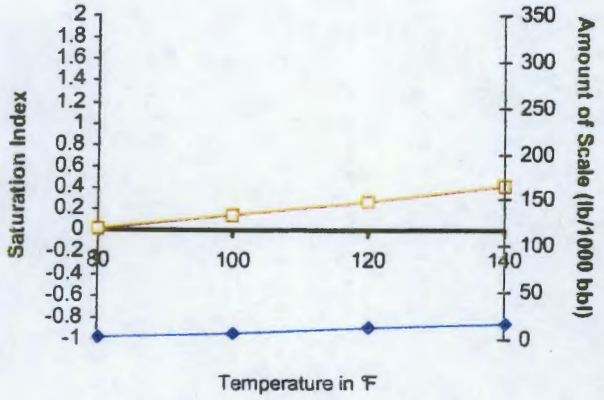
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

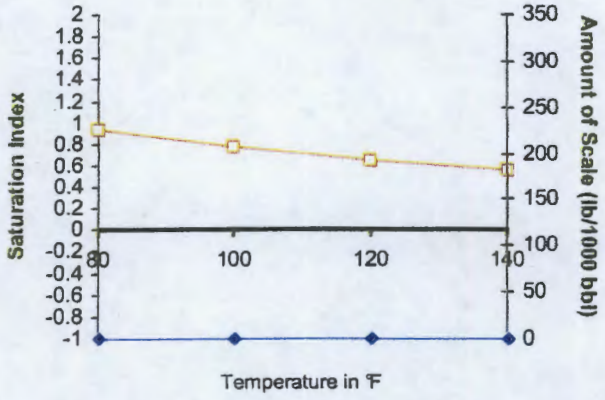
Scale Predictions from Baker Petrolite

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

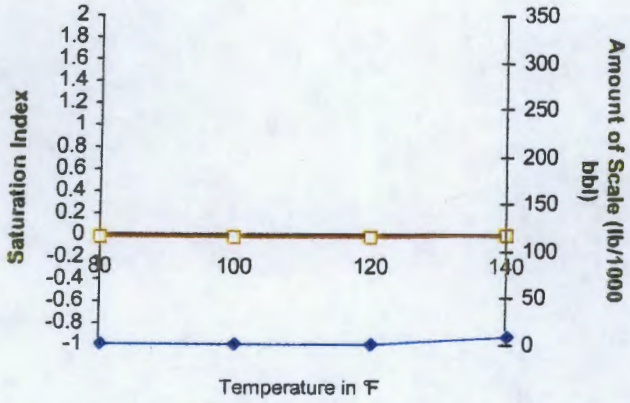
Calcite - CaCO3



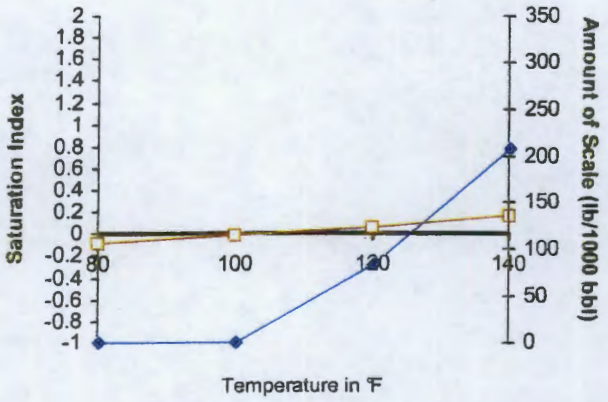
Barite - BaSO4



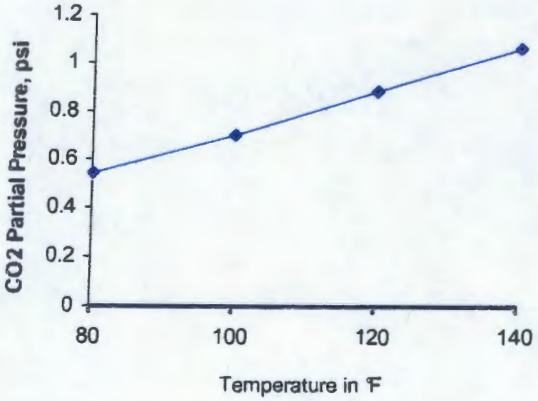
Gypsum - CaSO4*2H20



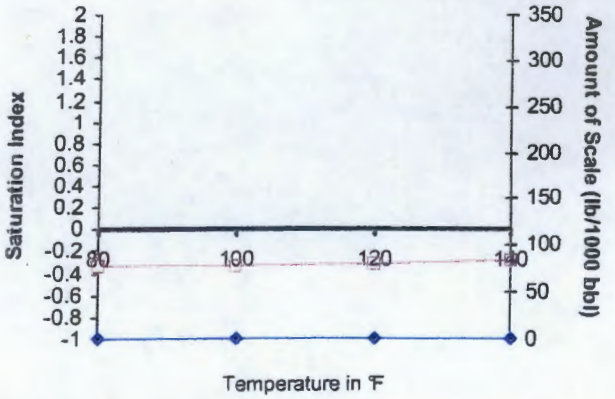
Anhydrite - CaSO4



Carbon Dioxide Partial Pressure



Celestite - SrSO4



EL Paso Federal 29 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	
Sampling Date:	5/22/2013
Analysis Date:	6/12/2013
Analyst:	SANDRA GOMEZ
TDS (mg/l or g/m3):	3027.9
Density (g/cm3, tonne/m3):	1.003
Anion/Cation Ratio:	1.2344527
Carbon Dioxide:	0 PPM
Oxygen:	
Comments:	

Analysis of Sample 652182 @ 75 ℉

Anions	mg/l	meq/l	Cations	mg/l	meq/l
Chloride:	**113.0**	**3.19**	**Sodium:**	**236.0**	**10.27**
Bicarbonate:	**231.8**	**3.8**	**Magnesium:**	**122.0**	**10.04**
Carbonate:	**0.0**	**0.**	**Calcium:**	**630.0**	**31.44**
Sulfate:	**1686.0**	**35.1**	**Strontium:**	**7.0**	**0.16**
Phosphate:			**Barium:**	**0.1**	**0.**
Borate:			**Iron:**	**0.5**	**0.02**
Silicate:			Potassium:	1.5	0.04
			Aluminum:		
Hydrogen Sulfide:		0 PPM	Chromium:		
pH at time of sampling:		6.7	Copper:		
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 $CaSO_4*2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		CO_2 Press
℉	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	-0.02	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.

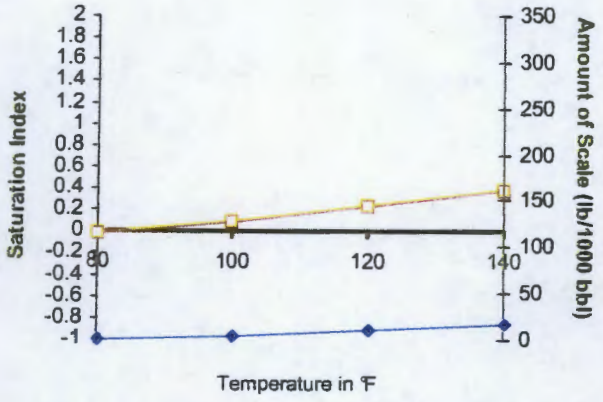
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

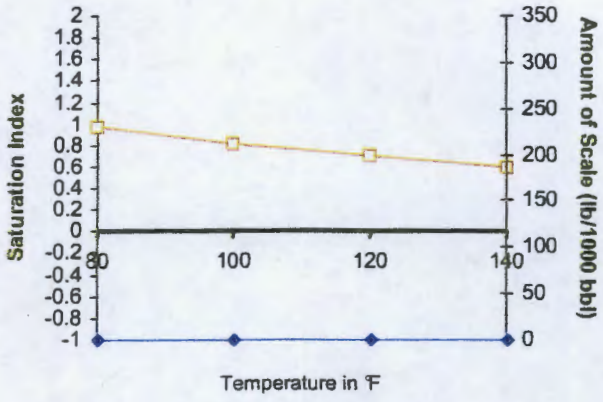
Scale Predictions from Baker Petrolite

Analysis of Sample 652182 @ 75 °F for DEVON ENERGY CORPORATION, 5/12/2013

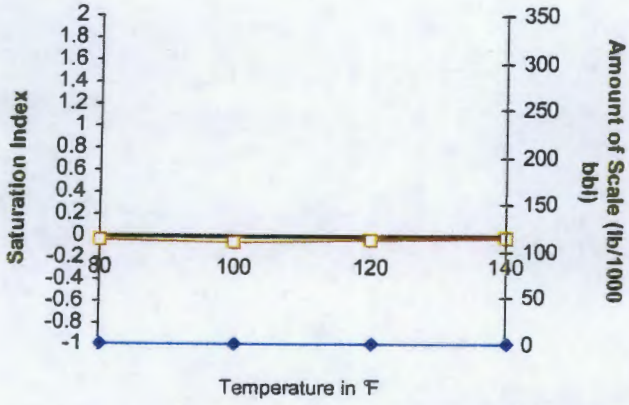
Calcite - CaCO3



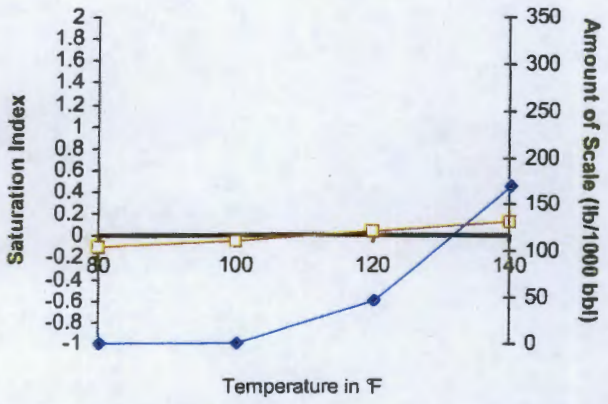
Barite - BaSO4



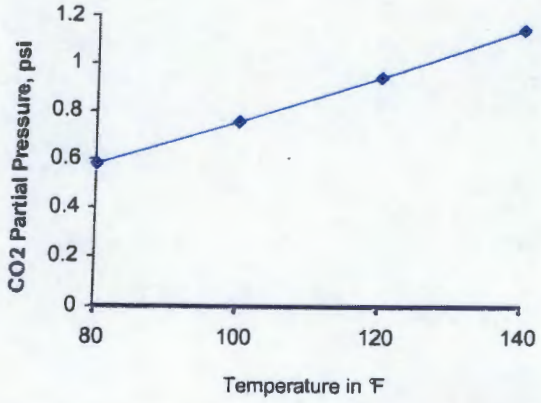
Gypsum - CaSO4*2H20



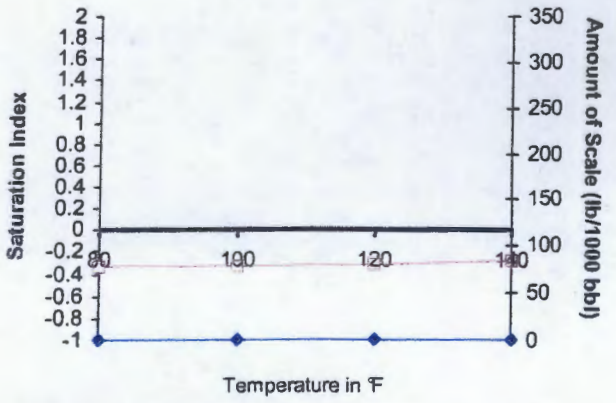
Anhydrite - CaSO4



Carbon Dioxide Partial Pressure



Celestite - SrSO4



EL Paso Federal 29 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	
Sampling Date:	5/22/2013
Analysis Date:	6/12/2013
Analyst:	SANDRA GOMEZ
TDS (mg/l or g/m3):	3314.7
Density (g/cm3, tonne/m3):	1.003
Anion/Cation Ratio:	1.2606503
Carbon Dioxide:	0 PPM
Oxygen:	
Comments:	

Analysis of Sample 578340 @ 75 °F

Anions	mg/l	meq/l	Cations	mg/l	meq/l
Chloride:	**83.0**	**2.34**	**Sodium:**	**252.0**	**10.96**
Bicarbonate:	**268.4**	**4.4**	**Magnesium:**	**174.0**	**14.31**
Carbonate:	**0.0**	**0.**	**Calcium:**	**644.0**	**32.14**
Sulfate:	**1879.0**	**39.12**	**Strontium:**	**8.0**	**0.18**
Phosphate:			**Barium:**	**0.1**	**0.**
Borate:			**Iron:**	**5.5**	**0.2**
Silicate:			Potassium:	0.4	0.01
			Aluminum:		
Hydrogen Sulfide:		0 PPM	Chromium:		
pH at time of sampling:		7.8	Copper:		
pH at time of analysis:			Lead:		
pH used in Calculation:		**7.8**	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 $CaSO_4*2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		CO_2 Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.11	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 seventy of the scale problem, both the saturation index (SI) and amount of scale must be considered.

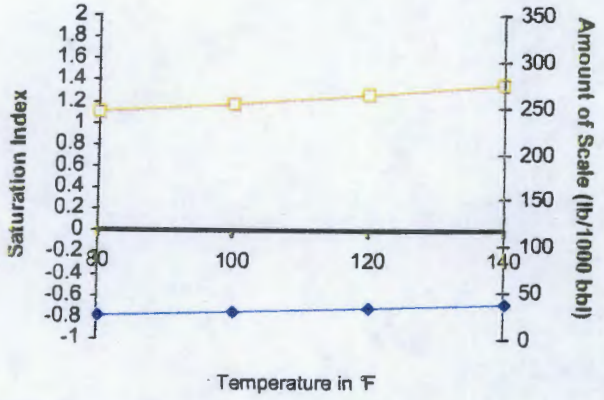
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

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

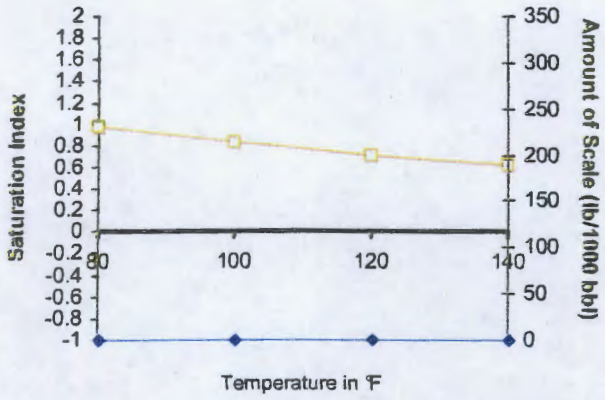
Scale Predictions from Baker Petrolite

Analysis of Sample 578340 @ 75 °F for DEVON ENERGY CORPORATION, 8/12/2013

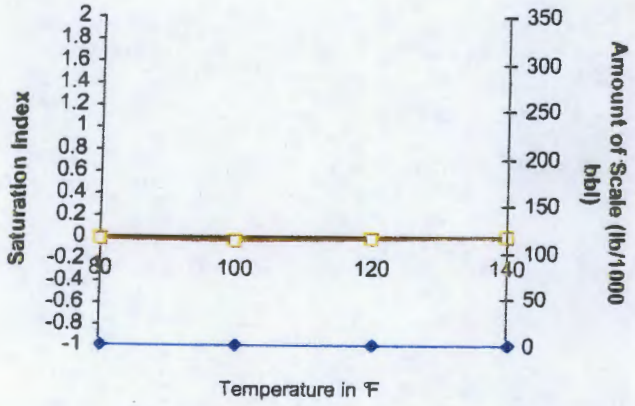
Calcite - CaCO3



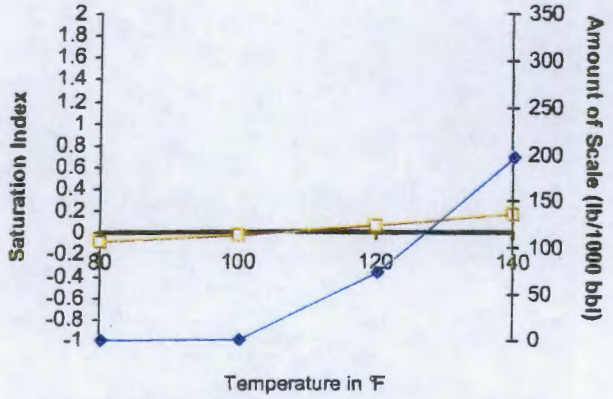
Barite - BaSO4



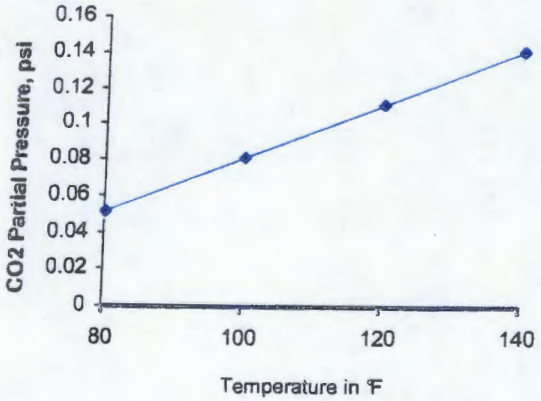
Gypsum - CaSO4*2H20



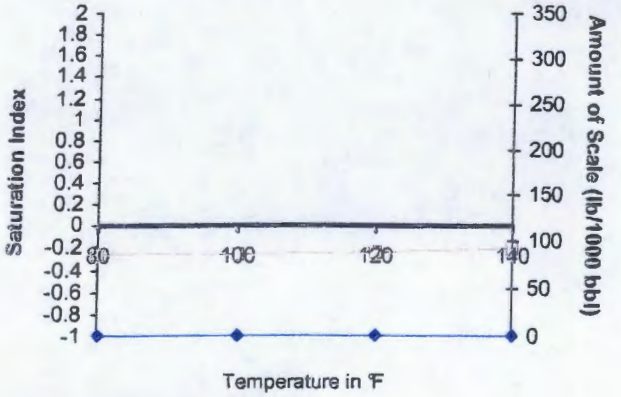
Anhydrite - CaSO4



Carbon Dioxide Partial Pressure



Celestite - SrSO4



devon

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

405 235 3611 Phone
www.devonenergy.com

November 15th, 2013

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

RE: Form C-108, Application for Authorization to Inject
El Paso 29 Fed #1 SWD; API 30-015-22084
Eddy County, NM
Section 29, 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 deepen and convert the El Paso 29 Fed #1 SWD to salt water disposal in the Devonian/Silurian/Ordovician formation.

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

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

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure

devon

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

405 235 3611 Phone
www.devonenergy.com

November 15th, 2013

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

RE: Form C-108, Application for Authorization to Inject
El Paso 29 Fed #1 SWD; API 30-015-22084
Eddy County, NM
Section 29, 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 deepen and convert the El Paso 29 Fed #1 SWD to salt water disposal in the Devonian/Silurian/Ordovician formation.

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

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

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure

devon

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

405 235 3611 Phone
www.devonenergy.com

November 15th, 2013

Chevron U.S.A., Inc.
1400 Smith Street
Houston, Texas 77002-7324

RE: Form C-108, Application for Authorization to Inject
El Paso 29 Fed 1 #SWD; API 30-015-22084
Eddy County, NM
Section 29, T24S, R27E

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

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

Devon's application proposes to deepen and convert the El Paso 29 Fed #1 SWD 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 El Paso 29 Fed SWD #1 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

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

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure

devon

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

405 235 3611 Phone
www.devonenergy.com

November 15th, 2013

Chaparral Energy, LLC
701 Cedar Lake Blvd.
Oklahoma City, OK 73114-7806

RE: Form C-108, Application for Authorization to Inject
El Paso 29 Fed 1 #SWD; API 30-015-22084
Eddy County, NM
Section 29, T24S, R27E

Dear Chaparral Energy, LLC:

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

Devon's application proposes to deepen and convert the El Paso 29 Fed #1 SWD 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 El Paso 29 Fed SWD #1 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

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

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure

devon

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333 West Sheridan Avenue
Oklahoma City, OK 73102-5010

405 235 3611 Phone
www.devonenergy.com

November 15th, 2013

CEI Bristol Acquisition, L.P.
701 Cedar Lake Blvd.
Oklahoma City, OK 73114-7806

RE: Form C-108, Application for Authorization to Inject
El Paso 29 Fed 1 #SWD; API 30-015-22084
Eddy County, NM
Section 29, T24S, R27E

Dear CEI Bristol Acquisition, L.P.:

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

Devon's application proposes to deepen and convert the El Paso 29 Fed #1 SWD 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 El Paso 29 Fed SWD #1 well. Any objections must be submitted in writing to NMOCD, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within (15) days of receipt of this letter.

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

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure

devon

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

405 235 3611 Phone
www.devonenergy.com

November 15th, 2013

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

RE: Form C-108, Application for Authorization to Inject
El Paso 29 Fed #1 SWD; API# 30-015-22084
Eddy County, NM
Section 29, T24S, R27E; 2427' FNL & 904' FWL

Dear Bureau of Land Management:

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

Devon's application proposes to deepen and convert the El Paso 29 Fed #1 SWD to salt water disposal. Produced waters will be injected into the Devonian/Silurian/Ordovician formation from 13000' to 15050'.

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

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

Sincerely,

Stephanie A. Porter
Operations Technician

SP/sp
Enclosure

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

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

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

April 7 2013

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

Kathy McCarroll

Subscribed and sworn to before me this

17 day of April, 2013

Cynthia Arredondo

My commission Expires on 2/13/17

Notary Public

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

April 7, 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 El Paso Fed #1, is located 2427' FNL & 904' FWL, Section 29, Township 24 South, Range 27 East, in Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Delaware and Bone Spring formations. The disposal water will be injected into the Devonian/Silurian/Ordovician formations at a depth of 13000' to 15050', at a maximum surface pressure of 2600 psi and a maximum rate of 10000 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.

Form 3160-3
(March 2012)

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NM 9551

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☑ REENTER

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

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
El Paso 29 Fed 1 SWD

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

9. API Well No.
30-015-22084

3a. Address 333 W. Sheridan Ave.
Oklahoma City, OK 73102

3b. Phone No. *(include area code)*
405-235-3611

10. Field and Pool, or Exploratory
Devonian;Silurian

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface 2427 FNL & 904 FWL

At proposed prod. zone 2427 FNL & 904 FWL

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 29 T24S R27E

14. Distance in miles and direction from nearest town or post office*
16 miles south of Carlsbad, NM

12. County or Parish
Eddy

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
See attached map

16. No. of acres in lease
NM 9551 2080 ac

17. Spacing Unit dedicated to this well
40

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
See attached map

19. Proposed Depth
15,050' MD

20. BLM/BIA Bond No. on file
CO-1104; NMB-000801

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3359.3' GL

22. Approximate date work will start*
02/15/2014

23. Estimated duration
45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature Judy A Barnett

Name *(Printed/Typed)*
Judy A. Barnett

Date
11/20/2013

Title
Sr. Regulatory Specialist

Approved by *(Signature)*

Name *(Printed/Typed)*

Date

Title

Office

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

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

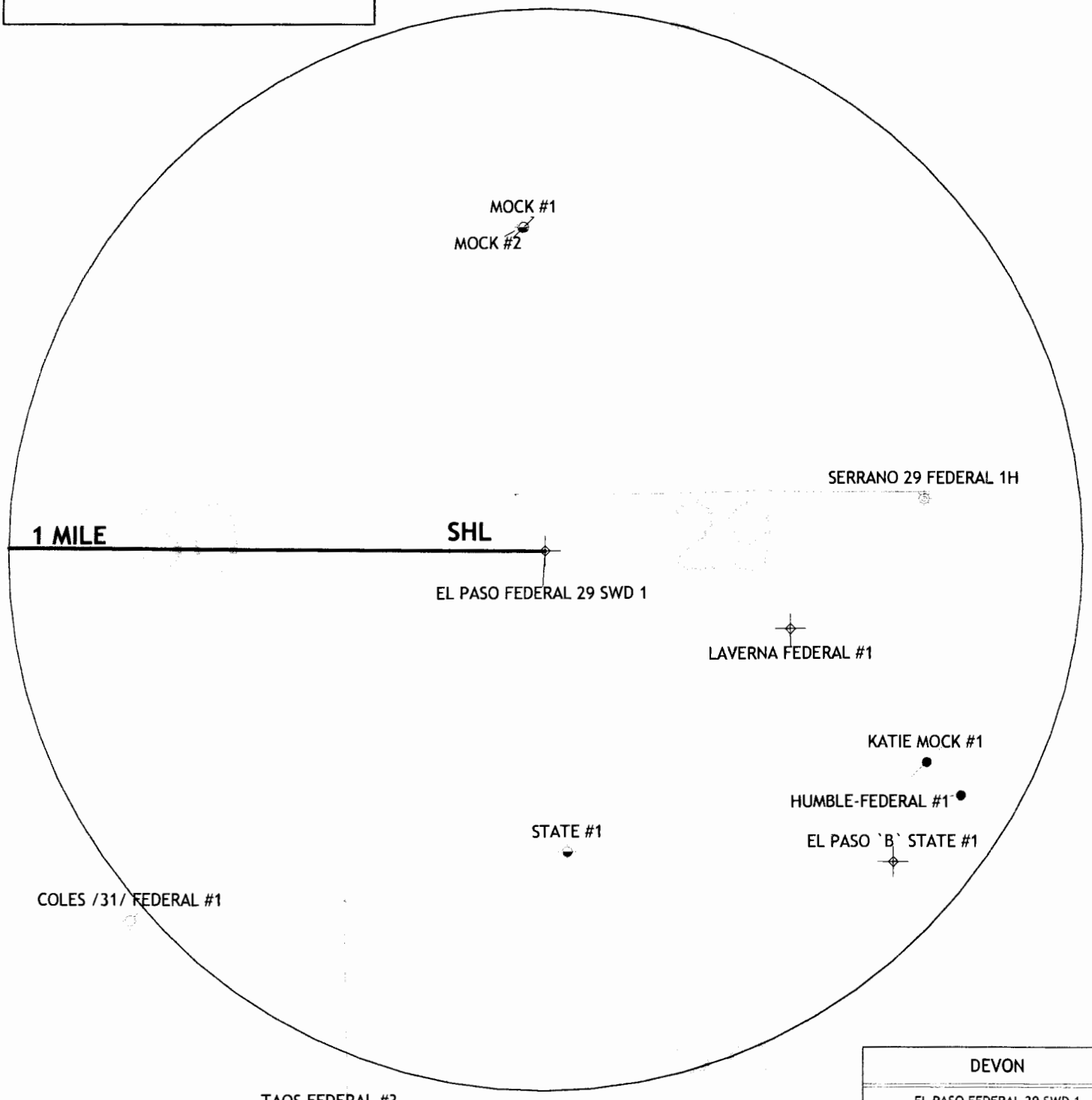
(Continued on page 2)

*(Instructions on page 2)

EL PASO FEDERAL SWD 29-1
T24S - R27E

SHL to nearest lease line:	943 ft.
SHL to nearest wellbore:	546 ft.
SERRANO 29 FEDERAL 1H	546 ft. N.
LAVERNA FEDERAL 1	2520 ft. SE.
STATE 1	2983 ft. SSE.*
MOCK 2	3132 ft. N.

*All distances are estimated.



DEVON

EL PASO FEDERAL 29 SWD 1

PETRA 8/14/2013 12:56:41 PM

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the section

HNG OIL COMPANY		EL PASO FED. ~~29~~	1
E	29	24 South	27East	Eddy
2427	North	904	West
3359.3			320

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

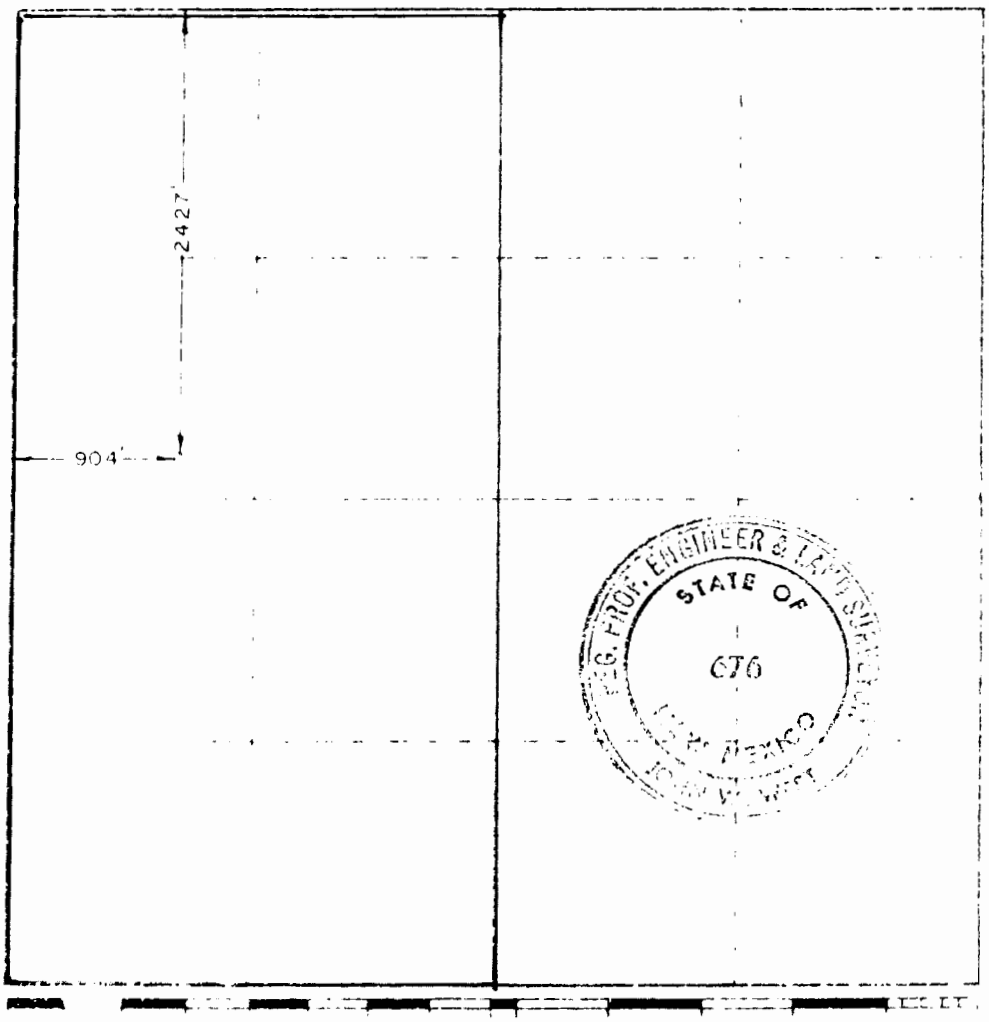
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



RECEIVED

APR 29 1977

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Tom Pickering

Adm. Supervisor

HNG Oil Company

4-28-77

April 23, 1977

John W West

676

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-015-22084		DEVONIAN/SILURIAN/ORDOVICIAN

7 Property Code	5 Property Name	6 Well Number
	EL PASO FEDERAL 29 SWD	1

8 OGRID No.	4 Operator Name	9 Elevation
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	3361.8

10 Surface Location

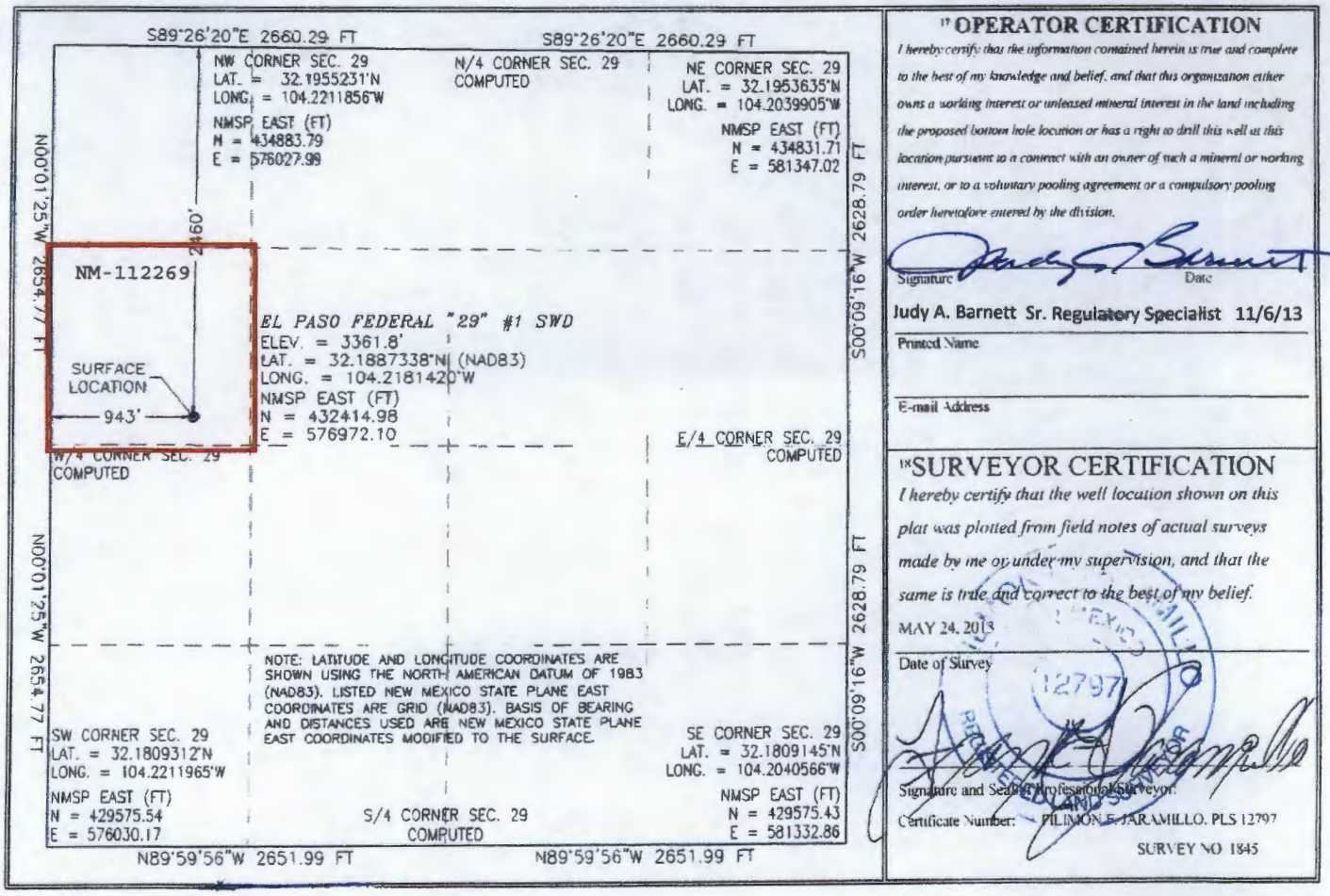
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	29	24 S	27 E		2460	NORTH	943	WEST	EDDY

11 Bottom Hole Location If Different From Surface

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

13 Dedicated Acres	14 Joint or Infill	12 Consolidation Code	15 Order No.
40.00			

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



17 OPERATOR CERTIFICATION

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

Signature Date

Judy A. Barnett Sr. Regulatory Specialist 11/6/13

Printed Name

E-mail Address

18 SURVEYOR CERTIFICATION

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

MAY 24, 2013

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number: FILIMON F. JARAMILLO, PLS 12797

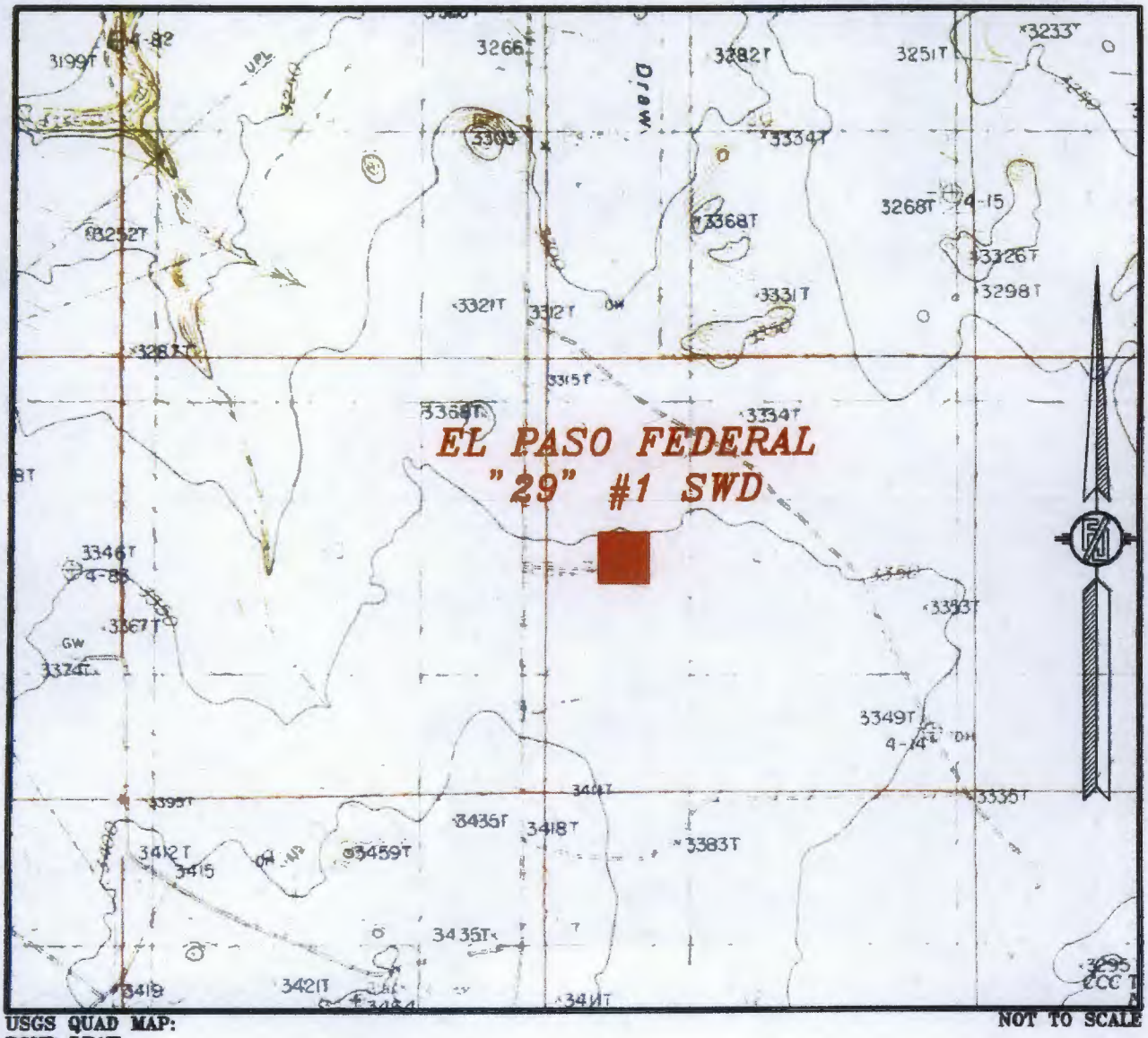
SURVEY NO. 1845

Original footage calls: 4/28/77

2427 FSL & 904 FWL SEC 29 T24S R27E Resurveyed for H2S and Arch (600 x 600)

SECTION 29, TOWNSHIP 24 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

LOCATION VERIFICATION MAP



USGS QUAD MAP:
BOND DRAW

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

EL PASO FEDERAL "29" #1 SWD

LOCATED 2460 FT. FROM THE NORTH LINE
AND 943 FT. FROM THE WEST LINE OF
SECTION 29, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

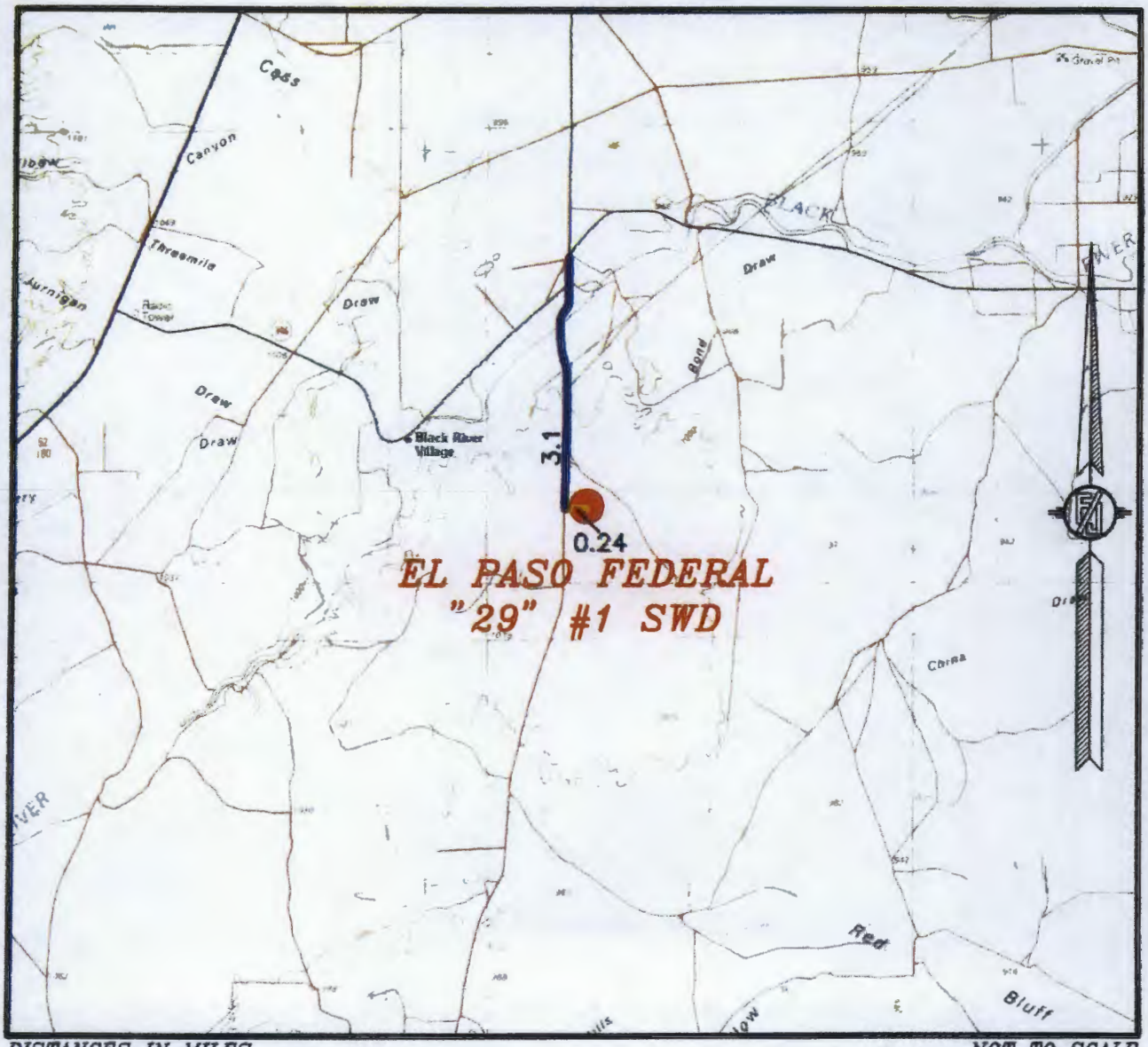
MAY 24, 2013

SURVEY NO. 1845

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

SECTION 29, 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 PAVED CR #720 (BLACK RIVER VILLAGE RD.) AND PAVED CR. #748 (OLD CAVERN HWY.) AND CALICHE LEASE ROAD (JOHN D. FOREHAND) GO SOUTH ON CALICHE ROAD 3.1 MILES, TURN LEFT ON CALICHE ROAD AND GO EAST 0.24 MILES AND WELL IS ON THE LEFT (NORTH) 200'

DEVON ENERGY PRODUCTION COMPANY, L.P.
EL PASO FEDERAL "29" #1 SWD
LOCATED 2460 FT. FROM THE NORTH LINE
AND 943 FT. FROM THE WEST LINE OF
SECTION 29, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

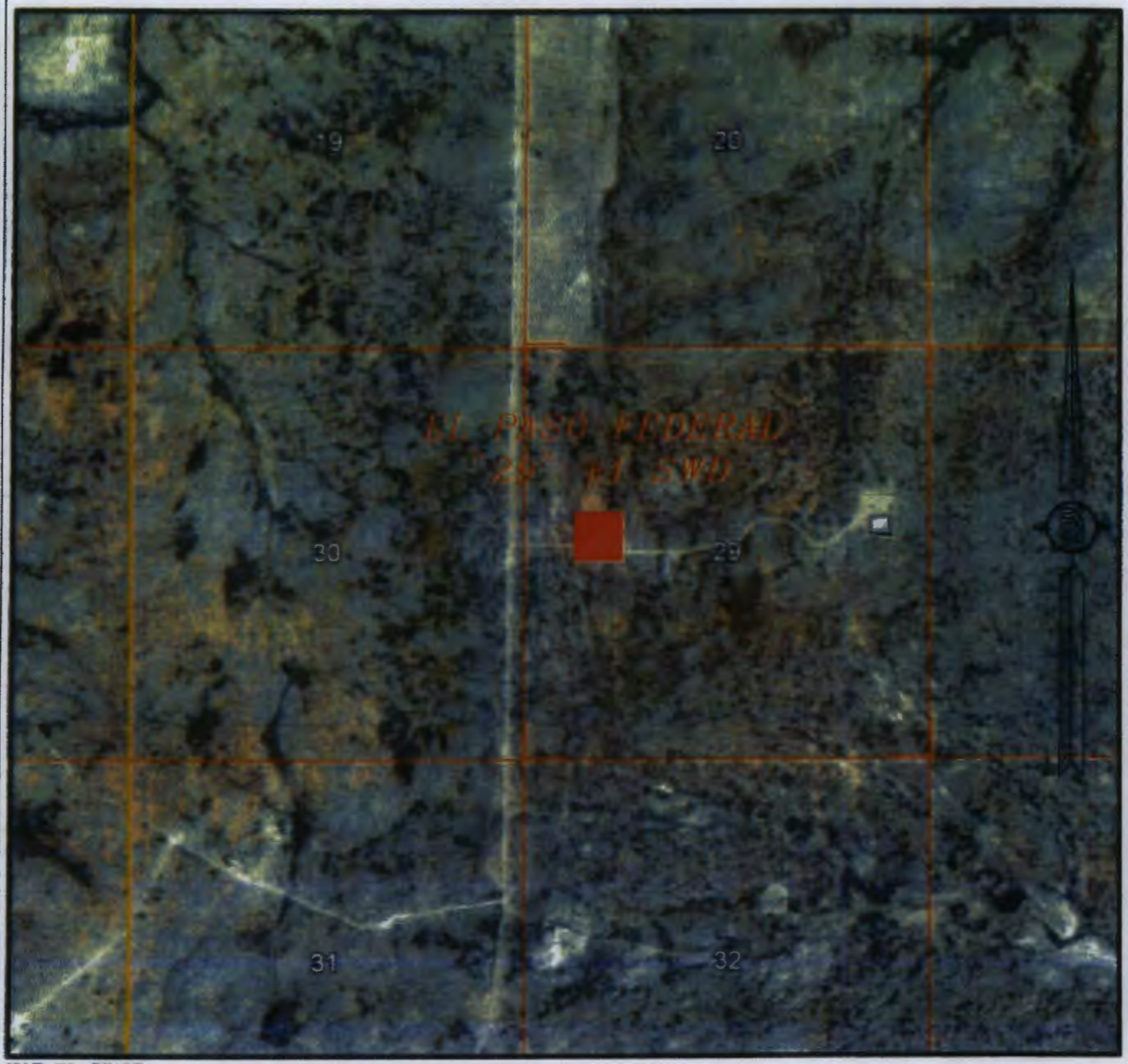
MAY 24, 2013

SURVEY NO. 1845

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

SECTION 29, 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.

EL PASO FEDERAL "29" #1 SWD

LOCATED 2460 FT. FROM THE NORTH LINE
AND 943 FT. FROM THE WEST LINE OF
SECTION 29, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 24, 2013

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EDDY COUNTY, STATE OF NEW MEXICO

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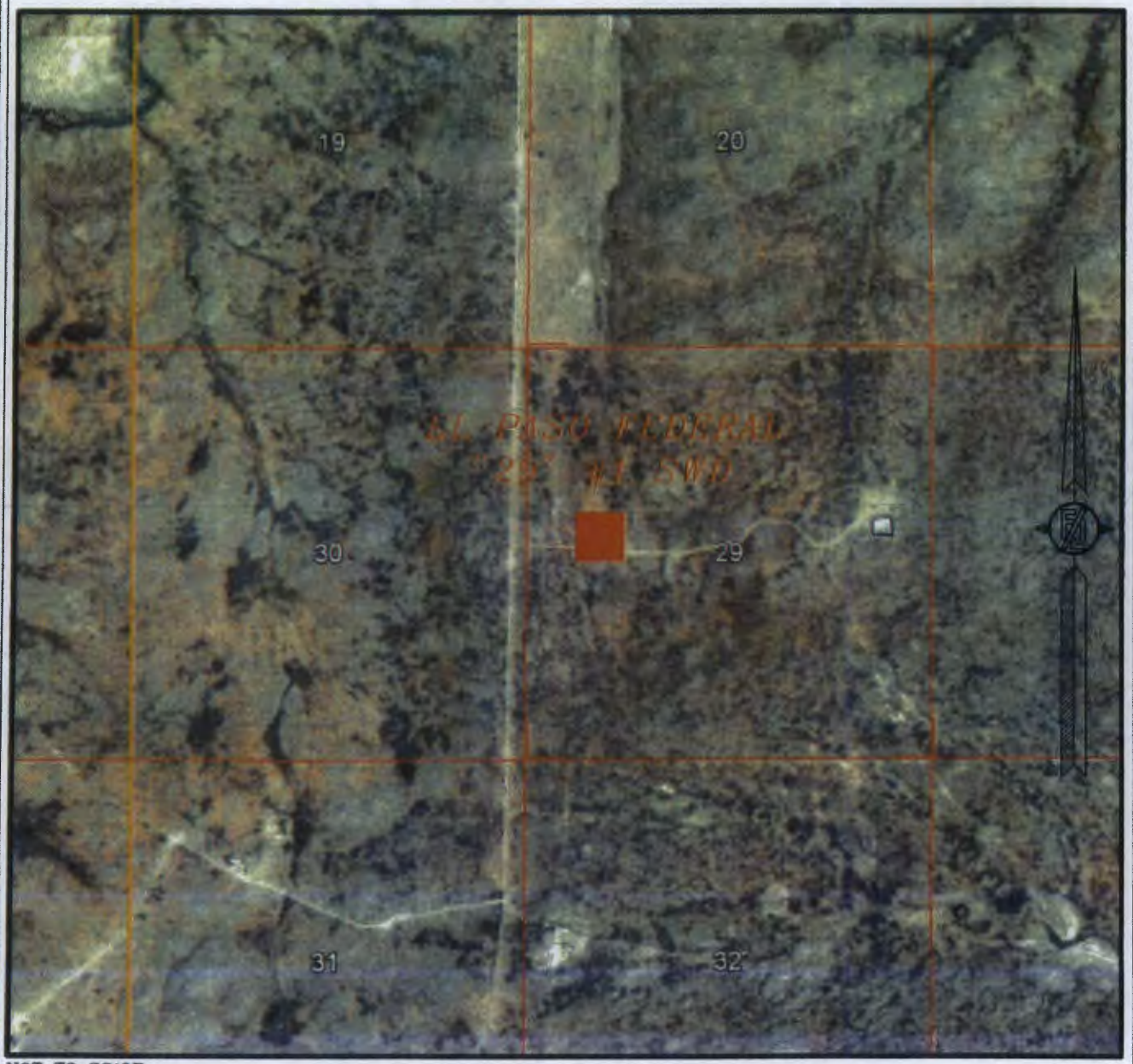

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AERIAL PHOTO:
GOOGLE EARTH
APRIL 2013

DEVON ENERGY PRODUCTION COMPANY, L.P.

EL PASO FEDERAL "29" #1 SWD

LOCATED 2460 FT. FROM THE NORTH LINE
AND 943 FT. FROM THE WEST LINE OF
SECTION 29, TOWNSHIP 24 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 24, 2013

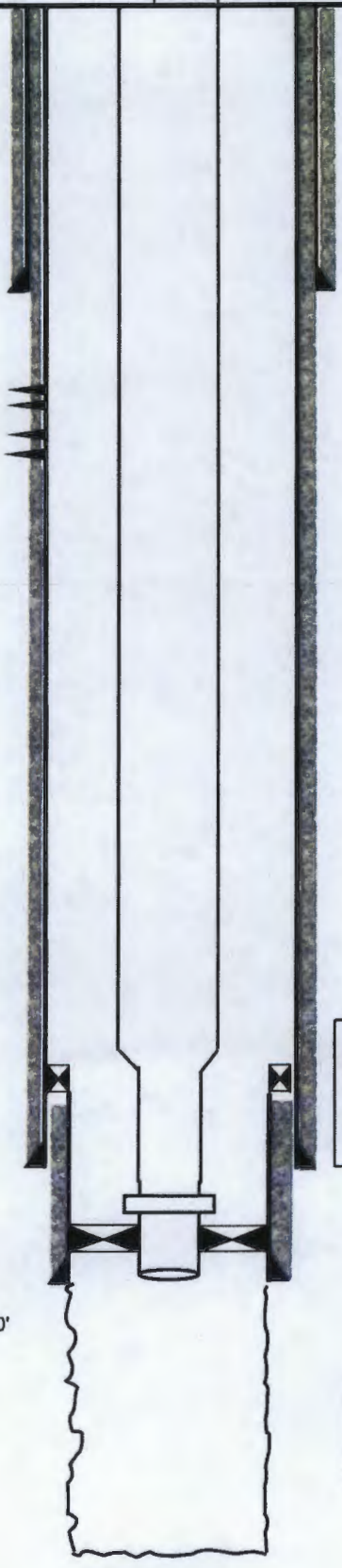
SURVEY NO. 1845

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

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: El PASO 29 FED 1 SWD	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: sap 10/31/13	

PROPOSED SWD SCHEMAT



12-1/4" hole
9 5/8" 36#, K-55, @ 1990'
Cement w/1900 sx to surface

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

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

FORMATION TOPS

Fresh Water	~35'
Rustler	193'
Salt	497'
Base Salt	1968'
Delaware	2205'
Bell Canyon	2283'
Cherry Canyon	3059'
Brushy Canyon	4103'
Lower Brushy	5444'
1st Bone Spring Lm	5796'
1st Bone Spring Ss	6773'
2nd BoneSpring Lm	7121'
2nd Bone Spring Ss	7347'
3rd Bone Spring Lm	7622'
3rd Bone Spring Ss	8605'
Wolfcamp	8944'
Strawn	10802'
Atoka	11004'
Morrow	11685'
Morrow Lime	12001'
Morrow Lower	12319'
Mississippian	12466'
Mississipian Lime	12700'
Woodford	12900'
Devonian/Silurian	13000'
Ordovician (Montoya)	14100'
Ordovician (Simpson)	14300'
Ordovician (Ellenburger)	14700'

Proposed SWD Conversion
ACIDIZE W/20,000 GAL 15% HCL

PROPOSED
9,350' of 3-1/2", 9.3#, L80, IPC, tubing
3,590' of 2-7/8", 4.6#, L80, IPC, tubing
T2 On/Off Tool
5" Nickel Coated Arrow-set packer set @ 12,940'

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

6-1/8" hole
5" liner 15#, LTC N-80 @ 9100' - 13,000'
Cmt w/320 sx; TOC @ 8900'
Cmt will be dressed to top of 5" liner @ 9100'

4-1/8" Open Hole
13,000' - 15,050'

PROPOSED INJECTION INTERVAL
DEVONIAN /SILURIAN/ORDOVICIAN
13,000' - 15,050'

TD @ 15,050'

DEVON ENERGY PRODUCTION COMPANY LP			
Well Name: El PASO 29 FED 1 SWD	Field: WILDCAT; MORROW		
Location: 2460' FNL & 943' 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

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)*

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

Salt gel mud

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

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

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

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

Salt gel mud

Est TOC @ 5700' *(not required to tag)*

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

Salt gel mud

FORMATION TOPS

Fresh Water	~35'
Rustler	193'
Salt	497'
Base Salt	1968'
Delaware	2205'
Bell Canyon	2283'
Cherry Canyon	3059'
Brushy Canyon	4103'
Lower Brushy	5444'
1st Bone Spring Lm	5796'
1st Bone Spring Ss	6773'
2nd BoneSpring Lm	7121'
2nd Bone Spring Ss	7347'
3rd Bone Spring Lm	7622'
3rd Bone Spring Ss	8605'
Wolfcamp	8944'
Strawn	10802'
Atoka	11004'
Morrow	11685'
Morrow Lime	12001'
Morrow Lower	12319'
Mississippian	12466'
Mississipian Lime	12700'
Woodford	12900'
Devonian/Silurian	13000'
Ordovician (Montoya)	14100'
Ordovician (Simpson)	14300'
Ordovician (Ellenburger)	14700'

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

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

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

6 1/4" hole

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

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

TD @ 12,400'

DRILLING PROGRAM

Devon Energy Production Company, L.P.
El Paso 29 Fed 1 SWD

1. **Geologic Name of Surface Formation:** Quaternary

2. **Estimated Tops of Geological Markers & Depths of Anticipated FW, Oil, or Gas:**

a. Fresh Water	35'	
b. Rustler	193'	Barren
c. Salt	497'	Barren
d. Base Salt	1968'	Barren
e. Delaware	2205'	Barren
f. Bell Canyon	2283'	Barren
g. Cherry Canyon	3059'	Barren
h. Brushy Canyon	4103'	Barren
i. L. Brushy	5444'	Oil
j. 1st Bone Spring	5796'	Oil
k. 1st Bone Spring Ss	6793'	Oil
l. 2nd Bone Spring Lm	7121'	Oil
m. 2nd Bone Spring Ss	7347''	Oil
n. 3rd Bone Spring Lm	7622'	
o. 3rd Bone Spring Ss	8605'	
p. Wolfcamp	8944'	

3. Pressure Control Equipment:

The BOP system used to drill the production hole will consist of a 13-5/8" 5M Triple Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 5M system prior to drilling out the intermediate casing shoe.

The pipe rams will be operated and checked as per Onshore Order No 2. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5,000 psi WP.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line); **if an H&P rig drills this well. Otherwise no flex line is needed**. The line will be kept as straight as possible with minimal turns.

Auxiliary Well Control and Monitoring Equipment:

a. A Kelly cock will be in the drill string at all times.
b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.

4. Casing Program:

Hole Size	Hole Interval	Casing OD	Casing Interval	Weight (lb/ft)	Collar	Grade	Collapse Design Factor	Burst Design Factor	Tension Design Factor
12 ¼"	0 -1990'	9 5/8"	0 – 1990'	36#	BTC	K-55	(In	Place)	
8 ½"	1990 – 9466'	7"	1990 – 9466'	23	BTC	N-80 S-95	(in	Place)	
6 1/8"	9100–13000'	5" Liner	9100-13000'	15	LTC	N-80	1.51	1.42	6.73
4 1/8"	13000-15050	OH	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Casing Notes:

- Production Liner is new and API approved

5. Proposed mud Circulations System:

Depth	Mud Weight	Viscosity	Fluid Loss	Type System
0 – 15050'	8.4 – 8.5	28 - 34	N/C	FW

The necessary mud products for weight addition and fluid loss control will be on location at all times. Visual mud monitoring equipment will be in place to detect volume changes indicating loss or gain of circulating fluid volume. If abnormal pressures are encountered, electronic/mechanical mud monitoring equipment will be installed.

6. Cementing Table:

String	Number of sx	Weight lbs/gal	Water Volume g/sx	Yield cf/sx	Stage; Lead/Tail	Slurry Description
Surface	1900				Lead/Tail	Cemented and (already in place)
Intermediate						
	1250				Lead/Tail	Cemented and (already in place).
Production	320	14.5	5.38	1.22	Tail	50:50 Cl H POZ Fly Ash + 1#/sx Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bentonite + 58.8% FW.

TOC for all Strings:

Surface	@	0'
Intermediate	@	0'
Production	@	(TOC @ 8900' (cement will be dressed to top of the 5" Liner @ 9100').

Notes:

- Cement volumes based on Drilling Liner is at least 25% excess.
- Actual cement volumes will be adjusted based on fluid caliper and caliper log data

7. Logging, Coring, and Testing Program:

a. Drill stem tests will be based on geological sample shows.
b. If a drill stem test is anticipated, a procedure, equipment to be used, and safety measures will be provided via sundry notice to the BLM.
c. The open hole electrical logging program will be:
    - Resistivity Logs
    - Porosity Logs

    ii. No coring program is planned
    iii. Additional Testing will be initiated subsequent to setting the 5-1/2" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows, and drill stem tests.

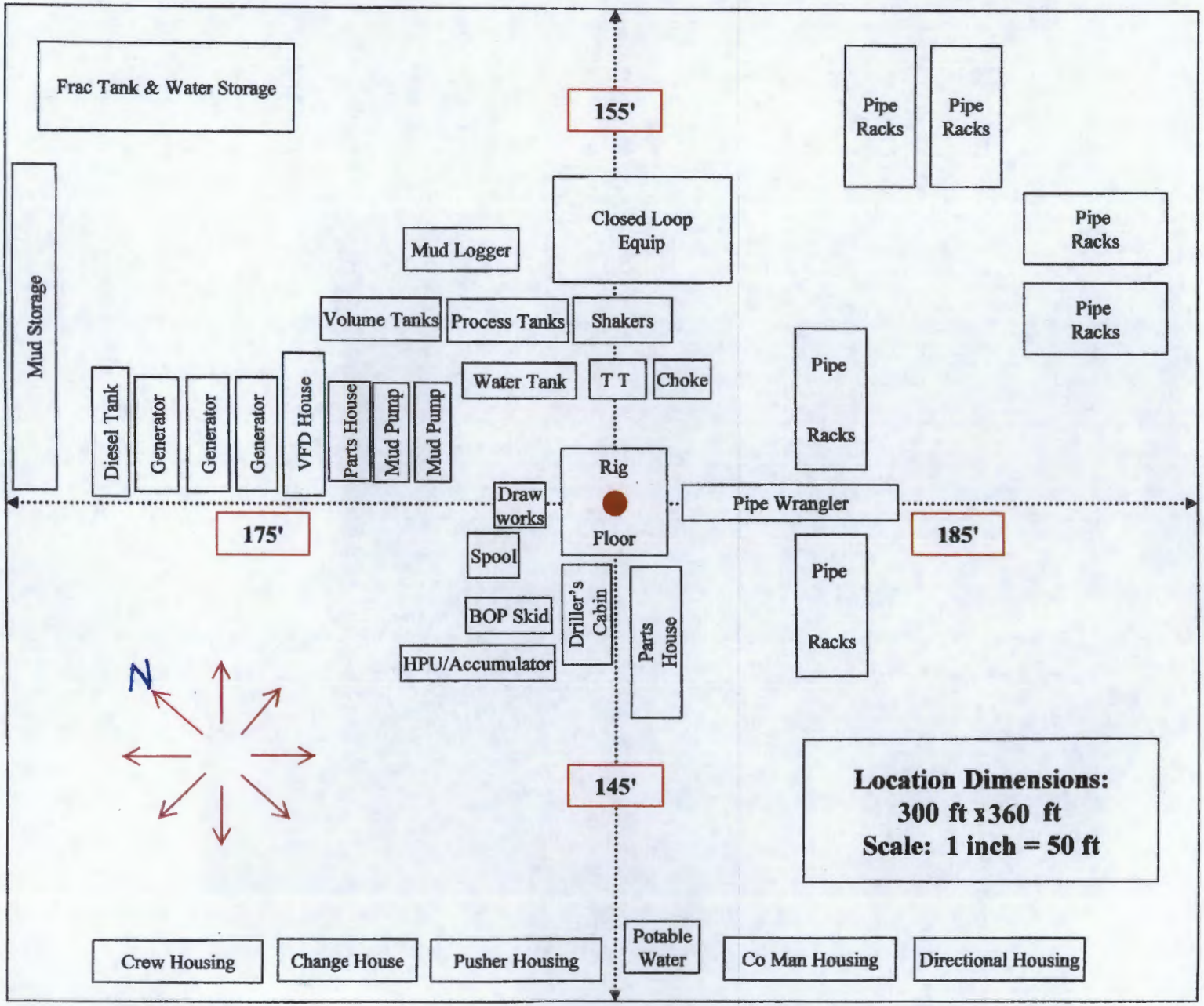
8. Potential Hazards:

a. No abnormal pressures or temperatures are expected. There is no knows presence of H2S in this area, and none is anticipated to be encountered. If H2s is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation being used to drill this well. Estimated BHP: 7000 psi, and estimated BHT: 220 degrees.
b. Hydrogen Sulfide detection equipment will be in operation after drilling out the 13-3/8" casing shoe until the 5-1/2" casing is cemented. Breathing equipment will be on location upon drilling the 13-3/8" shoe until total depth is reached.

9. Anticipated Starting Date and Duration of Operations:

a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 32 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.

H&P Flex Rig Location Layout



Fluid Technology

ContiTech Beattie Corp.
Website: www.contitechbeattie.com

Monday, June 14, 2010

RE: Drilling & Production Hoses
Lifting & Safety Equipment

To Helmerich & Payne,

A Continental ContiTech hose assembly can perform as intended and suitable for the application regardless of whether the hose is secured or unsecured in its configuration. As a manufacturer of High Pressure Hose Assemblies for use in Drilling & Production, we do offer the corresponding lifting and safety equipment, this has the added benefit of easing the lifting and handling of each hose assembly whilst affording hose longevity by ensuring correct handling methods and procedures as well as securing the hose in the unlikely event of a failure; but in no way does the lifting and safety equipment affect the performance of the hoses providing the hoses have been handled and installed correctly it is good practice to use lifting & safety equipment but not mandatory

Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

ContiTech Beattie is part of the Continental AG Corporation and can offer the full support resources associated with a global organization.

Best regards,

Robin Hodgson
Sales Manager
ContiTech Beattie Corp

ContiTech Beattie Corp,
11535 Brittmoore Park Drive,
Houston, TX 77041
Phone: +1 (832) 327-0141
Fax: +1 (832) 327-0148
www.contitechbeattie.com

Continental
CONTITECH

Fluid Technology
Quality Document

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE

CERT. N°: 1713

PURCHASER:	ContiTech Beattie Co.	P.O. N°:	002808
CONTITECH ORDER N°:	426127	HOSE TYPE:	3" ID Choke and Kill Hose
HOSE SERIAL N°:	53622	NOMINAL / ACTUAL LENGTH:	10,67 m

W.P.	68,96	MPa	10000	psi	T.P. 103,4	MPa	15000	psi	Duration: 60	min.

Pressure test with water at ambient temperature

See attachment. (1 page)

↑ 10 mm = 10 Min.

→ 10 mm = 25 MPa

COUPLINGS Type	Serial N°	Quality	Heat N°
3" coupling with	5503 2029	AISI 4130	N1590P
4 1/16" Flange end		AISI 4130	27566

INFOCHIP INSTALLED

API Spec 16 C
Temperature rate:"B"

All metal parts are flawless

Hose conform to NACE MR 01-75

WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER INSPECTED AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.

STATEMENT OF CONFORMITY: We hereby certify that the above items/equipment supplied by us are in conformity with the terms, conditions and specifications of the above Purchaser Order and that these items/equipment were fabricated inspected and tested in accordance with the referenced standards, codes and specifications and meet the relevant acceptance criteria and design requirements.

COUNTRY OF ORIGIN HUNGARY/EU

Date:	Inspector	Quality Control
25. August. 2008		ContiTech Rubber Industrial Kft. Quality Control Dept.

ContiTech Rubber Industrial Kft.
Budapesti út 10., Szeged H 6728
P.O.Box 152 Szeged H-6701
Hungary

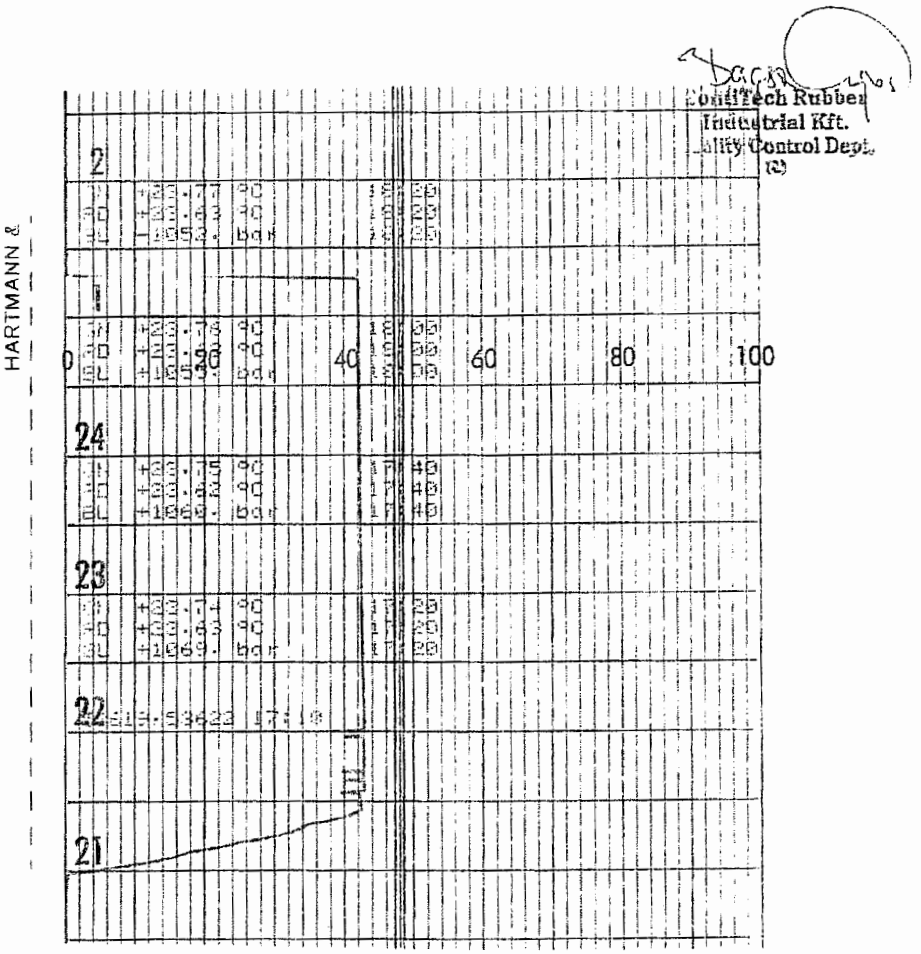
Phone: +36 62 566 737
Fax: +36 62 566 738
e-mail: info@fluid.contitech.hu
Internet: www.contitech-rubber.hu

The Court of Csongrad County as Registry Court
Registry Court No: HU 06-09-002502
EU VAT No: HU11087209

Bank data
Commerzbank Zrt.
Szeged
14220108-26830003-00000000

ATTACHMENT OF QUALITY CONTROL INSPECTION AND TEST CERTIFICATE *No 1711,1713*

Page: 1/1



devon

Devon Energy Center
333 West Sheridan Avenue
Oklahoma City, Oklahoma 73102-5015

Hydrogen Sulfide (H_2S) Contingency Plan

For

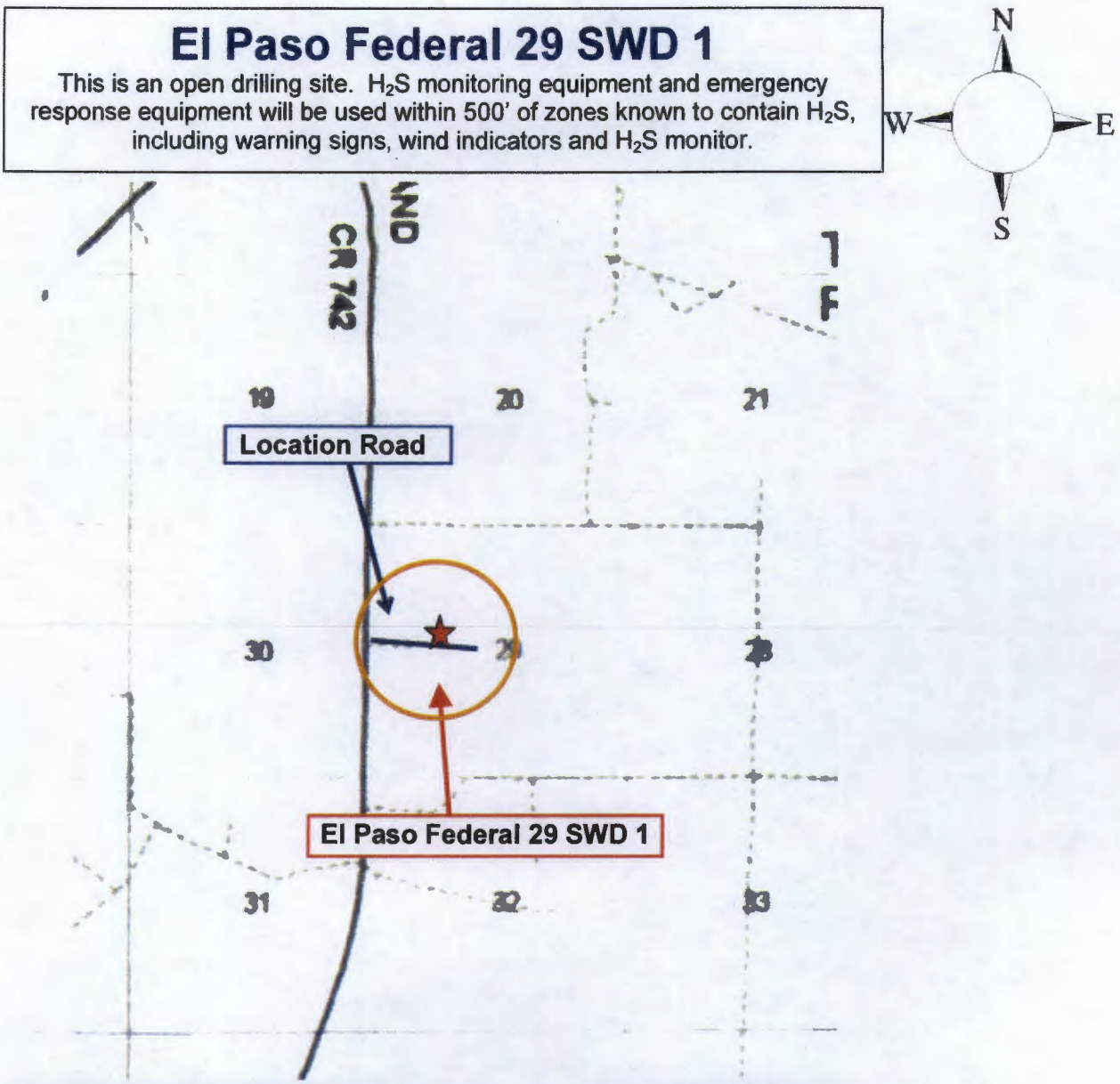
El Paso Federal 29 SWD 1

Sec-29, T-24S R-27E
2460' FNL & 943 FWL
LAT. = 32.1887338'N (NAD83)
LONG = 104.2181420'W

Eddy County NM

El Paso Federal 29 SWD 1

This is an open drilling site. H_2S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H_2S, including warning signs, wind indicators and H_2S monitor.



Assumed 100 ppm ROE = 3000' (Radius of Exposure)
100 ppm H2S concentration shall trigger activation of this plan.

Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from the location entrance road, West then Northwest on lease road. Crews should then block entrance to the location from the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. There are no homes or buildings in or near the ROE.

Assumed 100 ppm ROE = 3000'

100 ppm H_2S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H_2S, the first responder(s) must

- **Isolate the area and prevent entry by other persons into the 100 ppm ROE.**
- **Evacuate any public places encompassed by the 100 ppm ROE.**
- **Be equipped with H_2S monitors and air packs in order to control the release.**
- **Use the "buddy system" to ensure no injuries occur during the response**
- **Take precautions to avoid personal injury during this operation.**
- **Contact operator and/or local officials to aid in operation. See list of phone numbers attached.**
- **Have received training in the**
  - **Detection of H_2S, and**
  - **Measures for protection against the gas,**
  - **Equipment used for protection and emergency response.**

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO_2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Characteristics of H_2S and SO_2

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H_2S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO_2	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Devon Energy Corp. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Devon Energy Corp. Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

Hydrogen Sulfide Drilling Operation Plan

I. HYDROGEN SULFIDE (H_2S) TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H_2S)

2. The proper use and maintenance of personal protective equipment and life support systems.

3. The proper use of H_2S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.

4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H_2S metal components. If high tensile tubular are to be used, personnel will be trained in their special maintenance requirements.

2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.

3. The contents and requirements of the H_2S Drilling Operations Plan and Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H_2S zone (within 3 days or 500 feet) and weekly H_2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H_2S Drilling Operations Plan and the Public Protection Plan.

II. HYDROGEN SULFIDE TRAINING

Note: All H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonable expected to contain H_2S.

1. **Well Control Equipment**

   A. Flare line

   B. Choke manifold – (with remotely operated choke)

   C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit

   D. Auxiliary equipment may include if applicable: annular preventer and rotating head.

   E. Mud/Gas Separator

2. **Protective equipment for essential personnel:**

   A. 30-minute SCBA units located in the doghouse and at briefing areas, as indicated on well site diagram. As it may be difficult to communicate audibly while wearing these units, hand signals shall be utilized.

3. **H_2S detection and monitoring equipment:**

   A. Portable H_2S monitors positioned on location for best coverage and response. These unites have warning lights and audible sirens when H_2S levels of 20 PPM are reached. These units are usually capable of detecting SO_2, which is a byproduct of burning H_2S.

4. **Visual warning systems:**

A. Wind direction indicators as shown on well site diagram

B. Caution/ Danger signs shall be posted on roads providing direct access to locations. Signs will be painted a high visibility yellow with black lettering of sufficient size to be reasonable distance from the immediate location. Bilingual signs will be used when appropriate.

5. Mud program:

A. The mud program has been designed to minimize the volume of H_2S circulated to surface. Proper mud weight, safe drilling practices and the use of H_2S scavengers will minimize hazards when penetrating H_2S bearing zones.

6. Metallurgy:

A. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold lines, and valves shall be H_2S trim.

B. All elastomers used for packing and seals shall be H_2S trim.

7. Communication:

A. Radio communications in company vehicles including cellular telephones and 2-way radio

B. Land line (telephone) communications at Office

8. Well testing:

A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safety and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H_2S environment will use the closed chamber method of testing.

B. There will be no drill stem testing.

Devon Energy Corp. Company Call List

Artesia (575)	Cellular	Office	Home
Foreman – Robert Bell	748-7448	748-0178	746-2991
Asst. Foreman –Tommy Polly	748-5290	748-0165	748-2846
Don Mayberry	748-5235	748-0164	746-4945
Montral Walker	390-5182	748-0193	(936) 414-6246
Engineer – Marcos Ortiz	(405) 317-0666	(405) 552-8152	(405) 381-4350

Agency Call List

Lea County (575)

Hobbs

Lea County Communication Authority	393-3981
State Police	392-5588
City Police	397-9265
Sheriff's Office	393-2515
Ambulance	911
Fire Department	397-9308
LEPC (Local Emergency Planning Committee)	393-2870
NMOCD	393-6161
US Bureau of Land Management	393-3612

Eddy County (575)

Carlsbad

State Police	885-3137
City Police	885-2111
Sheriff's Office	887-7551
Ambulance	911
Fire Department	885-2111
LEPC (Local Emergency Planning Committee)	887-3798
US Bureau of Land Management	887-6544
NM Emergency Response Commission (Santa Fe)	(505) 476-9600
24 HR	(505) 827-9126
National Emergency Response Center (Washington, DC)	(800) 424-8802

Emergency Services

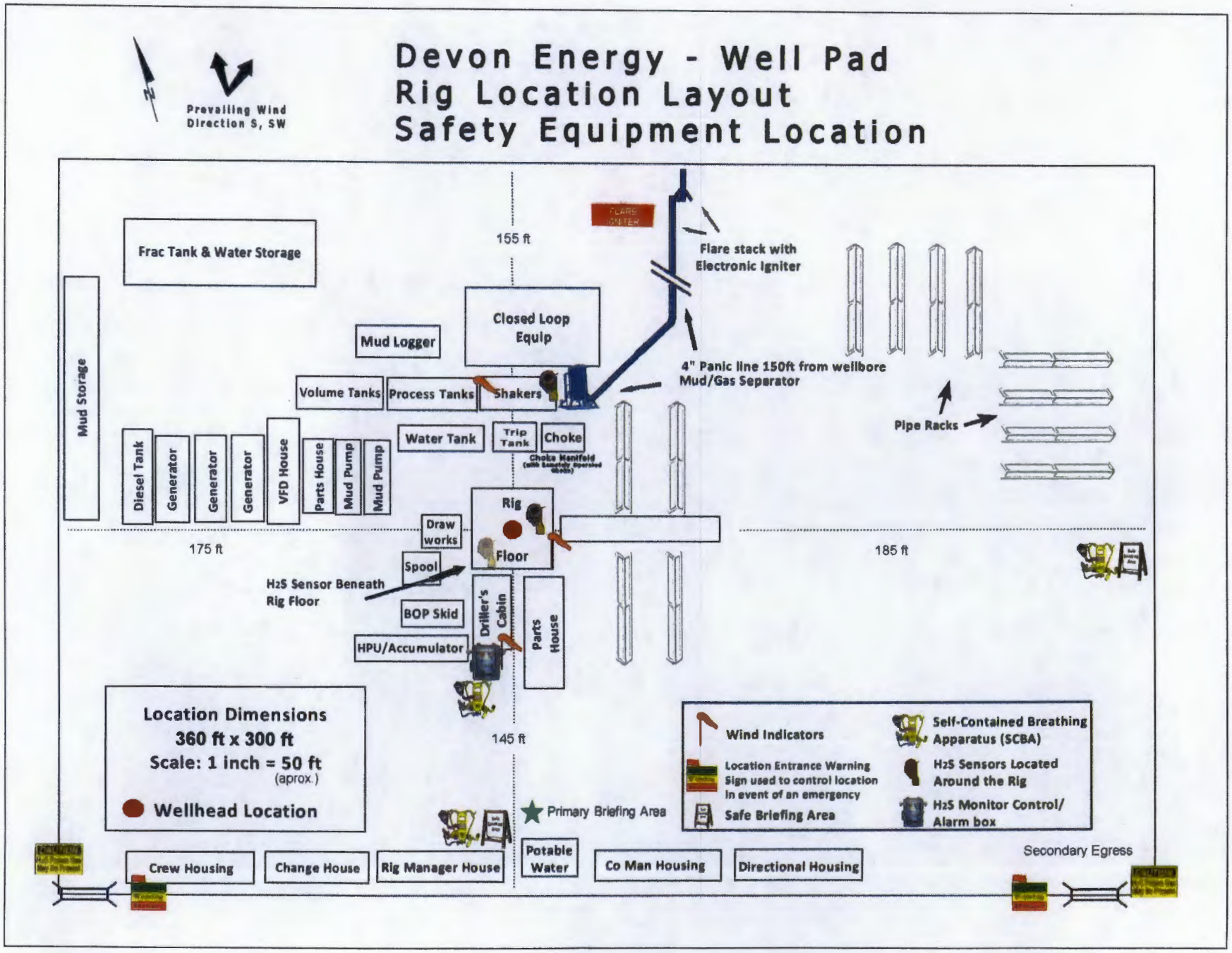
Boots & Coots IWC	(800)-256-9688 or (281) 931-8884
Cudd Pressure Control	(915) 699-0139 or (915) 563-3356
Halliburton	(575) 746-2757
B. J. Services	(575) 746-3569

Give GPS position:

Native Air – Emergency Helicopter – Hobbs	(575) 392-6429
Flight For Life - Lubbock, TX	(806) 743-9911
Aerocare - Lubbock, TX	(806) 747-8923
Med Flight Air Amb - Albuquerque, NM	(575) 842-4433
Lifeguard Air Med Svc. Albuquerque, NM	(575) 272-3115

Prepared in conjunction with
Dave Small

SHARP
COMMUNICATIONS & CONSULTING, LLC


Devon Energy - Well Pad
Rig Location Layout
Safety Equipment Location
Prevailing Wind Direction S, SW
Frac Tank & Water Storage
Mud Storage
155 ft
Flare stack with Electronic Igniter
Closed Loop Equip
Mud Logger
4" Panic line 150ft from wellbore Mud/Gas Separator
Volume Tanks
Process Tanks
Shakers
Pipe Racks
Water Tank
Trip Tank
Choke
Choke Manifold
Diesel Tank
Generator
Generator
Generator
VFD House
Parts House
Mud Pump
Mud Pump
Rig Floor
Draw works
175 ft
185 ft
Spool
H2S Sensor Beneath Rig Floor
BOP Skid
Driller's Cabin
Parts House
HPU/Accumulator
145 ft
Location Dimensions
360 ft x 300 ft
Scale: 1 inch = 50 ft
(aprox.)
Wellhead Location
Primary Briefing Area
Wind Indicators
Location Entrance Warning Sign used to control location in event of an emergency
Safe Briefing Area
Self-Contained Breathing Apparatus (SCBA)
H2S Sensors Located Around the Rig
H2S Monitor Control/ Alarm box
Crew Housing
Change House
Rig Manager House
Potable Water
Co Man Housing
Directional Housing
Secondary Egress

C-108 Review Checklist: Received 11/21/13 Add. Request: — Reply Date: — Suspended: — [Ver 12]

PERMIT TYPE: WFX / PMX / (SWD) Number: 1463 Permit Date: 02/21/14 Legacy Permits/Orders: None

Well No. 1 Well Name(s): El Paso 29 Federal

API : 30-015-22084 Spud Date: 7/24/77 New or Old: New (*UIC Class II Primacy 03/07/1982*)

Footages 2427 FNL/904 FWL Lot — or Unit E Sec 29 Tsp 24S Rge 27E County Eddy

General Location: North of Hay Hollow/ North of Cottonwood Hills/ 9 miles East of White City Pool: Morrow - Wildcat - no shows SWD: Devonian/Montoya Pool No.: 97803 & 96103

BLM 100K Map: Carlsbad Operator: Devon Energy Prod. Co. OGRID: 6137 Contact: Stephanie Porter

COMPLIANCE RULE 5.9: Inactive Wells: 2 Total Wells: 1857 Fincl Assur: Yes Compl. Order? No **IS 5.9 OK? Date:** OK 02/21/14

WELL FILE REVIEWED ✓ Current Status: Wildcat; Morrow (P&A: 4/29/11) - used as seismic "listening well" for Devon's drilling in area (3/2/78)

WELL DIAGRAMS: NEW: Proposed ○ or **RE-ENTER:** Before Conv. ✓ After Conv. ✓ Logs in Imaging: Sonic/DLL/CNFD/

Planned Rehab Work to Well: Drill out plugs/ squeeze perfs / liner with cmt/ deepen - open hole with new TD

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)		Cement (Sx) or Cf	Cement Top and Determination Method
Planned __ or Existing __ Conductor	—	—	Stage Tool	—	—
Planned __ or Existing ✓ Surface	12 1/4 / 9 5/8	0 to 1990		1900	Circulate to surf
Planned __ or Existing __ Interm/Prod	—	—	—	—	—
Planned __ or Existing ✓ Prod/Interm	8 1/2 / 7	0 to 9466	None	1200	Circulate to surf
Planned ✓ or Existing __ (Liner)/Prod	6 1/8 / 5	9100 to 13000	None	320	Calculated *
Planned ✓ or Existing __ (OH) / PERF	New drill 6 1/8	13000 to (14800)	Inj Length 1800'		

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops?
Adjacent Unit: Litho. Struc. Por.	—	Missipp - Chrono	12466
Confining Unit: (Litho) Struc. Por.	±100	Woodford Shale	12900
Proposed Inj Interval TOP:	13000	Devonian	13000
Proposed Inj Interval BOTTOM:	14700 + 100'	Ellenburger / Top 100'	
Confining Unit: Litho. Struc. (Por.)	NA	Ellenburger fm	14700
Adjacent Unit: Litho. Struc. Por.	—	PC	?

Completion/Operation Details:

Drilled TD 12400 PBTD 9204 (top bottom plug)

NEW TD ±14800 NEW PBTD ±14800

NEW Open Hole ✓ or NEW Perfs ○

Tubing Size 2 7/8 (sizes) in. Inter Coated? Yes

Proposed Packer Depth 12940 (Dual) ft

Min. Packer Depth 12900 (100-ft limit)

Proposed Max. Surface Press. 2600 psi

Admin. Inj. Press. 2600 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P NA Noticed? NA **BLM Sec Ord** NA **WIPP** NA Noticed? NA **SALADO:** T: 497 B: 2205 **CLIFF HOUSE** NA

FRESH WATER: Aquifer Rustler ±100 Alluvial - shallow Max Depth ±100 1-Mile Wells? Ø FW Analysis ○ **HYDRO AFFIRM STAT By Qualified Person** ✓

Disposal Fluid: Formation Source(s) Delaware / Bone Spring Analysis? Yes On Lease ○ Operator Only ✓ or Commercial ○

Disposal Interval: Inject Rate (Avg/Max BWPD): 5000/10000 Protectable Waters?: No **CAPITAN REEF:** thru ○ adj ○ NA ✓

HC Potential: Producing Interval? No Formerly Producing? (Yes) Method: Logs/(DST)/(P&A)/Other [XH-Info on DST shows] 2-Mile Radius Pool Map ○

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

Penetrating Wells: No. Active Wells Ø Num Repairs? — on which well(s)? — Diagrams? NA

Penetrating Wells: No. P&A Wells Ø Num Repairs? — on which well(s)? — Diagrams? NA

NOTICE: Newspaper Date 04/07/13 Mineral Owner BLM Surface Owner BLM N. Date 11/15/13

RULE 26.7(A): Identified Tracts? Yes Affected Persons: CEI Bristol / Chopard Energy / Chevron USA N. Date 11/15/13

Permit Conditions: **Issues:** Injection profile; *CBL for perf squeeze & TOL cmt; Limit Ellenburger Interval

Add Permit Cond: Same as issues - CBL/ profile / top 100' of Ellenburger / 14800'