

09/04/2016 DATE IN	SUSPENSE	PRG ENGINEER	05/09/2016 LOGGED IN	SWD TYPE	PMAM161303437 APP NO
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR
- [D] Other: Specify _____

- SWD
 - Delaware Energy, LLC
 371195
 LLC
 - Herman Fed GAS
 Com #1
 30-015-21033
 POW
 - SWD, Delaware
 96100

- [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.

Preston Stein	<i>Preston Stein</i>	Vice-President	5/3/2016
Print or Type Name	Signature	Title	Date
		<u>Prestonms@gmail.com</u>	
		e-mail Address	

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance _____ xxx Disposal _____ Storage
Application qualifies for administrative approval? _____ xxx Yes _____ No
- II. OPERATOR: Delaware Energy LLC
ADDRESS: 3001 W. Loop 250 N, Suite C-105-318, Midland TX 79705
CONTACT PARTY: Preston Stein PHONE: 214-558-1371
- 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 XXX 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: Preston Stein TITLE: Vice-President

SIGNATURE: _____ DATE: 4/26/2016

E-MAIL ADDRESS: Prestonms@gmail.com

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

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

Delaware Energy, LLC

Application for Injection/SWD

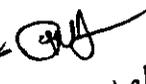
Herren Federal Gas Com #1, API # 30-015-21033

UL K, Sec. 7, T-24-S, R-27-E, 1980' FSL & 1980' FWL, Eddy Co., NM

May 03, 2016

Contents:

1. Administrative Application Checklist
2. Form C-108: Application for Authority to Inject
3. Form C-108 Additional Questions Answered
4. Form C-102
5. Chemical Analysis of Bone Springs Formation Water Sample Taken on 4/10/2015 from T24S, R28E, Eddy Co., NM
6. Chemical Analysis of Wolfcamp Formation Water Sample Taken on 7/15/2015 from Section 2, T24S, R27E, Eddy Co., NM
7. Chemical Analysis of Delaware Formation Water Sample Taken on 5/7/2015 from T24S, R28E, Eddy Co., NM
8. Wellbore Diagram of Herren Federal Gas Com #1 as Plugged
9. Wellbore Diagram of Herren Federal Gas Com #1 as Proposed
10. ~~Tabular Data on All Wells of Public Record within the Area of Review which Penetrate the Proposed Injection Zone (No Applicable Wells within Area of Review)~~
11. Map Identifying 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
12. Sample of Letter Sent with This Application Packet to Owner of 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
13. Legal Notice that will be run as required in the Carlsbad Current-Argus
14. Formation Tops
15. Old Regulatory Documents for Herren Federal Gas Com #1

Not Included 
See McMillan
e-mail 05/09/16 on other
notice issues

C-108 Item VI - no statement included; inspection of OGD GIS database shows no wells with 1/2 mile radius that penetrates proposed interval  05/30/16

C-108 Item XI - no submittal of fresh-water well data 07/14/16 

Additional Questions on C-108

VII.

1. Proposed average and maximum daily rate and volume of fluids to be injected;

Average 2500 BWPD, Max 10,000 BWPD

2. Whether the system is open or closed;

Open System, Commercial SWD

3. Proposed average and maximum injection pressure;

Average 300 PSI, Max 578 PSI

4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than re injected produced water; and,

Bone Spring (Willow Lake and Hay Hollow Pools) and Wolfcamp produced water. Water is compatible. Many Delaware SWD wells in the area dispose of water from these horizons, no known incapability exist. See attached water analysis from Bone Spring and Wolfcamp produced water.

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.).

See attached water analysis from nearby Delaware producing well. T24S, R28E

*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.

The proposed disposal interval is located in the Delaware Mountain Group 2,200' - 5,250' (Bell Canyon to Cherry Canyon Formations). Bell Canyon contains fine grain sandstone and siltstones. Cherry Canyon consists of fine grained sandstones. There are no fresh water zones underlying the proposed injection zone. Usable water depth is from surface to the base of the Rustler at 350'; however no known water wells exist in the vicinity.

IX. Describe the proposed stimulation program, if any.

10,000 gallons 15% HCL acid job with packer

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.

Delaware Energy, L.L.C. has reviewed and examined available geologic and engineering data in the area of interest for the Herren Fed Gas Com #1 SWD and have found no evidence of faults or other hydrologic connections between the Delaware disposal zone and the underground sources of drinking water.

Preston Stein

Vice-President

5/3/2016

Title

Date

III. WELL DATA

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

Herren Fed Gas Com #1, Sec. 7-T24S-R27E, 1980' FSL & 1980' FWL, UL K, Eddy County, New Mexico

(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.

Casing Size	Setting Depth	Sacks of Cement	Hole Size	Top of Cement	Determined
13-3/8"	417'	550	17-1/2"	Surface	Circulate
8-5/8"	5,618'	1200	11"	240'	Free point & cut
*7" UFJ	2,842'	150	7.825"	Surface	Circulate, CBL
* proposed					

(3) A description of the tubing to be used including its size, lining material, and setting depth.

4-1/2" OD, Internally Plastic Coated Tubing set 50ft above uppermost perforation

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Weatherford Arrow set 1X injection packer, nickel plated with on/off tool

Depth?

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.

Delaware - Bell Canyon to Cherry Canyon
Pool Name: SWD (Delaware)

(2) The injection interval and whether it is perforated or open-hole.

2,892' to 5,250 (perforated)

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

The well was originally drilled to test Wolfcamp, Bone Springs, and Delaware Sands. The well was found unproductive of hydrocarbons

(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.

Perforations 10,026'-10,134', Plugged with CIBP set @ 10,000' w/ 35 sx cmt
Perforations 5,230'-5,270', Plugged with CIBP set @ 5,215'
Perforations 5,140'-5,160', Plugged with CIBP set @ 5,120'
Perforations 417'-2,914', Plugged with 100 sx cmt spotted from 372'-472'

(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.

Formation: Wolfcamp

Impact Water Analysis Analytical Report



Company:
Source: Wellhead
Number: 45513
County:

Location:
Date Sampled: July 15, 2015
Account Manager: David Garcia
Foreman:

ANALYSIS	mg/L	EQ. WT.	MEQ/L
1. pH	6.75		
2. Specific Gravity @60 F	1.027		
3. Hydrogen Sulfide	10.2 PPM		
4. Carbon Dioxide	120.0 PPM		
5. Dissolved Oxygen	ND		
6. Hydroxyl (OH ⁻)	0 /	17.0 =	0.00
7. Carbonate (CO ₃ ⁻²)	0 /	30.0 =	0.00
8. Bicarbonate (HCO ₃ ⁻)	244 /	61.1 =	3.99
9. Chloride (Cl ⁻)	57,927 /	35.5 =	1,833.44
10. Sulfate (SO ₄ ⁻²)	654 /	49.6 =	12.51
11. Calcium (Ca ⁺²)	2,792 /	20.1 =	138.61
12. Magnesium (Mg ⁺²)	329 /	12.2 =	31.92
13. Sodium (Na ⁺)	34,045 /	23.0 =	1,459.21
14. Barium (Ba ⁺²)	2.71		
15. Total Iron (Fe)	7.52		
16. Manganese	0.51		
17. Strontium	594.40		
18. Total Dissolved Solids	86,727		
19. Resistivity @ 75 °F (calculated)	0.032 Ω-cm		
20. CaCO ₃ Saturation Index			
@ 60 °F	-0.5041		
@ 100 °F	0.0059		
@ 120 °F	0.2659		
@ 140 °F	0.6259		
@ 160 °F	0.9759		
21. CaSO ₄ Supersaturation Ratio			
@ 70 °F	0.2391		
@ 80 °F	0.2364		
@ 110 °F	0.2496		
@ 130 °F	0.2438		
@ 150 °F	0.2459		

PROBABLE MINERAL COMPOSITION				
COMPOUND	EQ. WT.	X	MEQ/L	= mg/L
Ca(HCO ₃) ₂	51.04		3.99	323
CaSO ₄	58.07		13.51	926
CaCl ₂	55.50		121.31	6,733
Mg(HCO ₃) ₂	73.17		0.00	0
MgSO ₄	60.10		0.00	0
MgCl ₂	47.62		31.92	1,520
NaHCO ₃	54.90		0.00	0
NaSO ₄	71.03		0.00	0
NaCl	58.46		1,459.21	86,535

Analyst: Sylvia Garcia

Date: July 17, 2015

Formation: Delaware

Impact Water Analysis Analytical Report



Company:
Source: WH
Number: 43548
County:

Location:
Date Sampled: May 7, 2015
Account Manager: David Garcia
Foreman:

ANALYSIS	mg/L	EQ. WT.	MEQ/L
1. pH	5.74		
2. Specific Gravity 60/60 F	1.212		
3. Hydrogen Sulfide	3.4 PFM		
4. Carbon Dioxide	720.0 PFM		
5. Dissolved Oxygen	ND		
6. Hydroxyl (OH ⁻)	0 /	17.0 =	0.00
7. Carbonate (CO ₃ ²⁻)	0 /	30.0 =	0.00
9. Bicarbonate (HCO ₃ ⁻)	49 /	61.1 =	0.80
9. Chloride (Cl ⁻)	179,959 /	35.5 =	5,069.27
10. Sulfate (SO ₄ ²⁻)	140 /	48.8 =	2.87
11. Calcium (Ca ²⁺)	26,720 /	20.1 =	1,428.86
12. Magnesium (Mg ²⁺)	4,529 /	12.2 =	371.23
13. Sodium (Na ⁺)	75,276 /	23.0 =	3,272.85
14. Barium (Ba ²⁺)	1.75		
15. Total Iron (Fe)	18.61		
16. Manganese	9.55		
17. Strontium	1,105.00		
18. Total Dissolved Solids	289,859		
19. Resistivity @ 75 °F (calculated)	0.027 Ω-cm		
20. CaCO ₃ Saturation Index			

@ 60 °F	-0.2490
@ 100 °F	-0.9390
@ 120 °F	-0.3790
@ 140 °F	-0.0190
@ 180 °F	0.3310

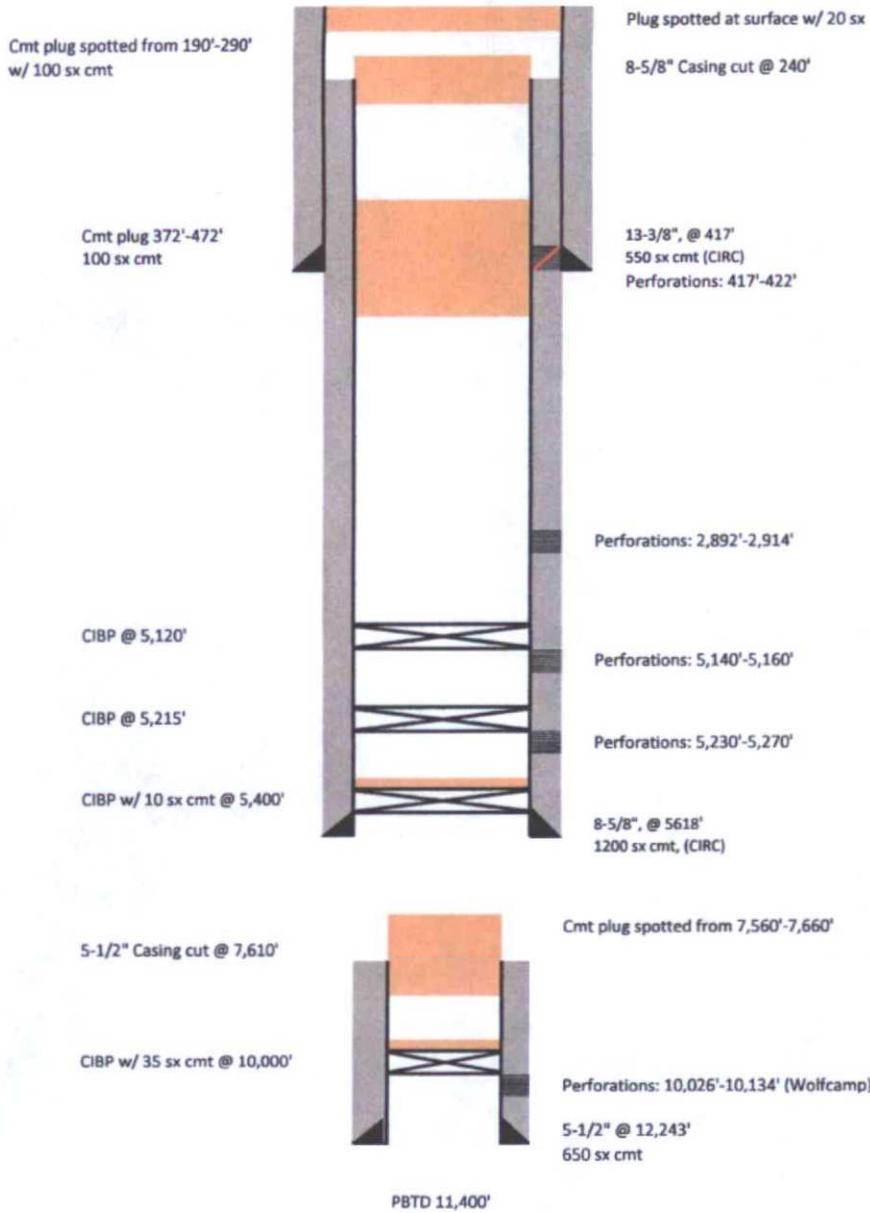
FROBABLE MINERAL COMPOSITION				
COMPOUND	EQ. WT.	X	MEQ/L	= mg/L
Ca(HCO ₃) ₂	81.04		0.80	65
CaSO ₄	62.07		2.87	195
CaCl ₂	55.50		1,425.19	79,098
Mg(HCO ₃) ₂	73.17		0.00	0
MgSO ₄	60.19		0.00	0
MgCl ₂	47.62		371.23	17,878
NaHCO ₃	84.00		0.00	0
NaSO ₄	71.03		0.00	0
NaCl	58.46		3,272.85	191,331

21. CaSO ₄ Supersaturation Ratio	
@ 70 °F	0.4092
@ 90 °F	0.5418
@ 110 °F	0.3690
@ 130 °F	0.3898
@ 150 °F	0.3893

Analyst: Tamara Devault

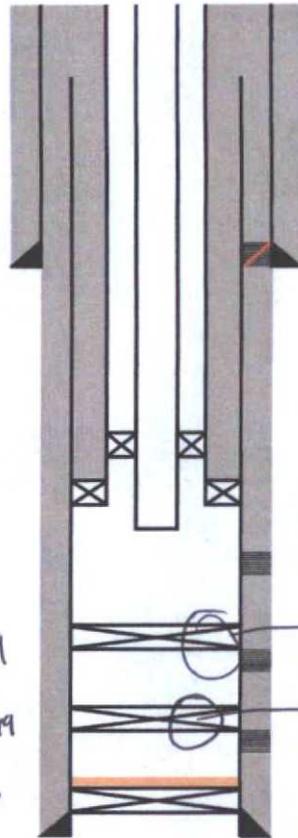
Date: May 8, 2015

Herren Federal Gas Com No 1
 1980 'FSL & 1980' FWL, UL K, SEC. 7, T-24S R-27E, Eddy County, NM
 API # 30-015-21033



Herren Federal Gas Com No 1
 1980 FSL & 1980 FWL, UL K, SEC. 7, T-24S R-27E, Eddy County, NM
 API # 30-015-21033

4.5" IPC tubing



13-3/8", @ 417'
 550 sx cmt (CIRC)
 Perforations: 417'-422'

7" UFJ Csg Liner, Surface - 2,842'
 Cmt'd to surface

Perforations: 2,892'-5,250'

well test 3/19/79

Perforations: 5,140'-5,160'

Perforations: 5,230'-5,270'

12/20/1978 swab test for interval 1/8/1979

8-5/8", @ 5618'
 1200 sx cmt, (CIRC)

CIBP @ 5,120' set 3/19/79

CIBP @ 5,215' set 2/28/79

CIBP w/ 10 sx cmt @ 5,400'

5-1/2" Casing cut @ 7,610'

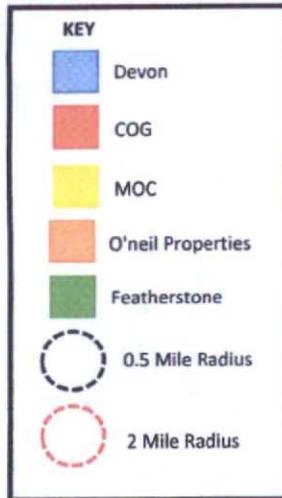
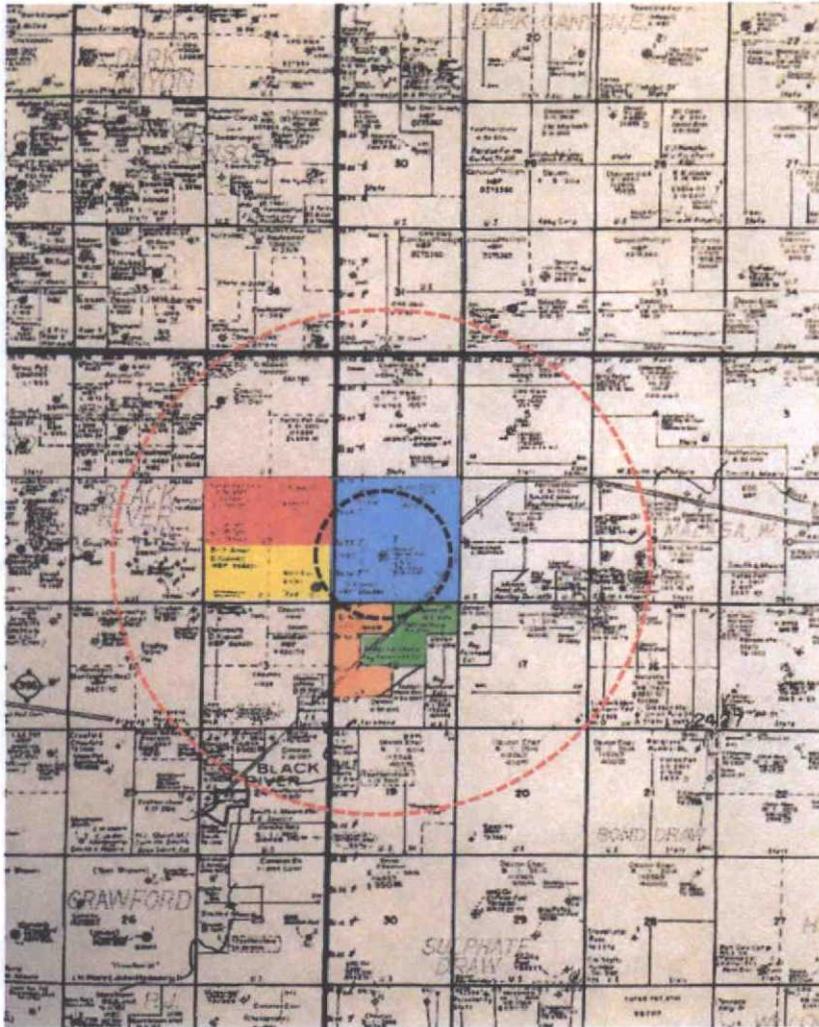
Cmt plug spotted from 7,560'-7,660'

CIBP w/ 35 sx cmt @ 10,000'

Perforations: 10,026'-10,134' (Wolfcamp)

5-1/2" @ 12,243'
 650 sx cmt

P8TD 11,400'



Delaware Energy, L.L.C.
3001 W. Loop 250 N., Suite C-105-318
Midland, TX 79705
Office: (214) 558-1371

May 03, 2016

Surface Owner / Offset Operators

Re: Notification of Application for Authorization to Inject
Herren Fed Gas Com #1 SWD Well

Ladies and Gentlemen:

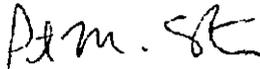
Delaware Energy, LLC is seeking administrative approval to utilize the Herren Fed Gas #1 (API – 30-015-21033) as a Salt Water Disposal well. As required by the New Mexico Oil Conservation Division Rules, we are notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is required unless you have questions or objections.

<u>Well:</u>	Herren Fed Gas #1 SWD
<u>Proposed Disposal Zone:</u>	Delaware Formation (from 2,892' - 5,250')
<u>Location:</u>	1980' FSL & 1980' FWL, Sec. 7, T24S, R27E, Eddy Co., NM
<u>Applicants Name:</u>	Delaware Energy, L.L.C.
<u>Applicants Address:</u>	3001 W. Loop 250 N., Suite C-105-318, Midland, TX 79705

This application for water disposal well will be filed with the New Mexico Oil Conservation Division. If they determine the application complies with the applicable regulations, then it will be approved. The New Mexico Conservation Division address is 1220 South St. Francis Dr., Santa Fe, NM 87505. And their phone number is 505-476-3460.

Please call Preston Stein with Delaware Energy, LLC if you have any questions at 214-558-1371.

Sincerely,



Preston Stein

LEGAL NOTICE

Delaware Energy, L.L.C., 3001 W. Loop 250N, Suite C-105-318, Midland, TX 79705, has filed a form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to utilize the Herren Fed Gas Com #1 (API – 30-015-21033) as a Salt Water Disposal well.

The Herren Fed Gas Com #1 is located at 1980' FSL and 1980' FWL, Unit Letter K, Section 7, Township 24 South, Range 27 East, Eddy County, New Mexico. The well will dispose of water produced from oil and gas wells into the Delaware Formation at 2,892' to 5,250' at a maximum rate of 10,000 barrels of water per day at a maximum pressure of 578 psi.

Interested parties must file objections or requests for hearing with the Oil Conservations Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

Additional information can be obtained by contacting Delaware Energy, L.L.C., at (214) 558-1371.

Herren Fed Gas No 1
API#: 30-015-21033
Location: Sec. 7, T24S, R27E, UL K

Formation Tops

Top Salt	900'
Base Salt	1,900'
Lamar Limestone	2,000'
Delaware Sands	2,080'
Bone Spring	5,620'
Wolfcamp	8,718'
Strawn	10,710'
Atoka	10,955'
Morrow	11,440'
Barnett	12,170'

Bell

**N MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form 1-73
Supersedes 1-72
Effective 1-73

All distances must be from the outer boundaries of the Section

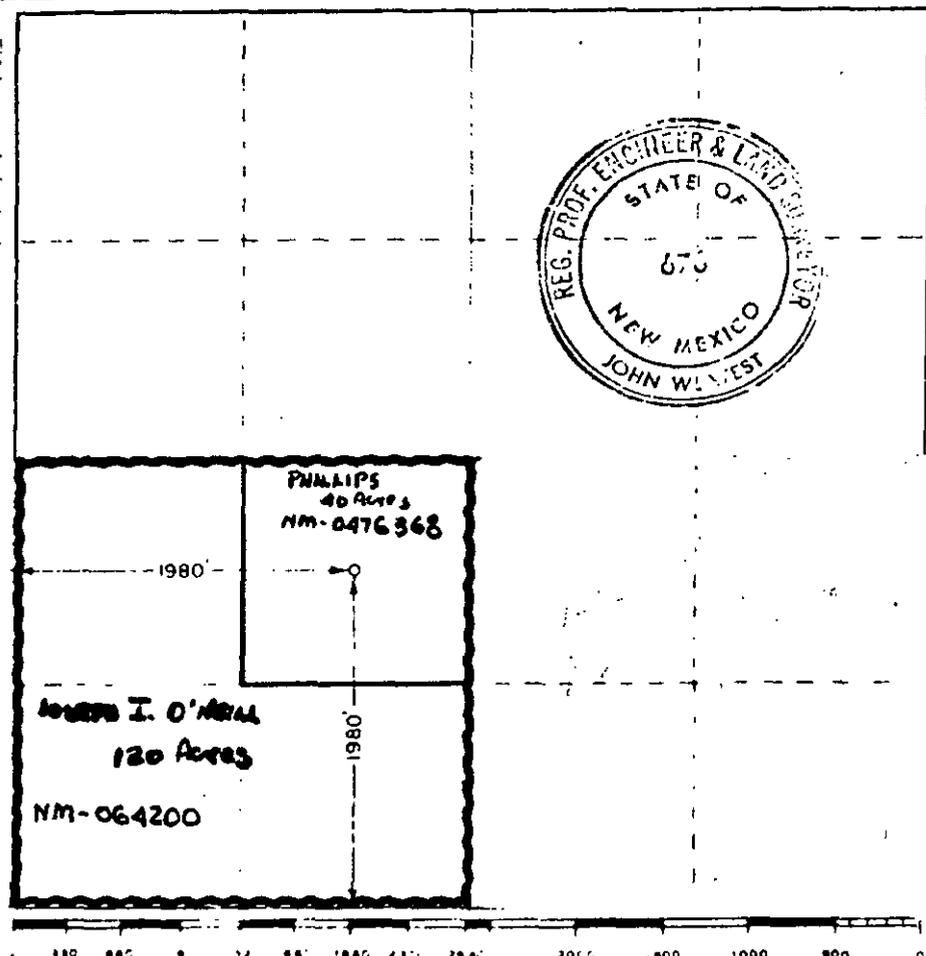
AMOCO PRODUCTION COMPANY			HERREN FEDERAL GAS COM		Well No. 1
K	7	24 South	27 East	Eddy	
1980			1980	West	
3226.9	MORROW	BLACK RIVER PENN (EXEMPTION)		160	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Ray R. Lyman

ADMINISTRATIVE ASSISTANT

Amoco Production Company

NOV 28 1973

RECEIVED

I hereby certify that the information shown on this plat was plotted under the U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO is true and correct to the best of my knowledge and belief.

November 24, 1973

Registered Professional Surveyor
No. 1012 State of New Mexico

John W. West

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other P x A

2. NAME OF OPERATOR
Amoco Production Company ✓

3. ADDRESS OF OPERATOR
P. O. Box 68, Hobbs, NM 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1980' FSL x 1980' FWL, Sec. 7
AT SURFACE: (Unit K, NE/4 SW/4)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
NM-0476368 RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME NOV 10 1980

8. FARM OR LEASE NAME
Heeren Federal Gas Com. ARTESIA, NEW MEXICO

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Und. Black River Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
7-24-27

12. COUNTY OR PARISH
Eddy

13. STATE
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3246 RDB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*
- (other)

SUBSEQUENT REPORT OF:

-
-
-
-
-
-
-
-

RECEIVED

JAN 17 1980

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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.)*

Perforated 8-5/8" casing 417'-422' with 2 JSPPF. Ran tubing to 441'. Spotted 100 sx Class H cement down tubing with 50' above 8-5/8" casing perfs. Closed in bottom hole and squeezed cement with 650#. Raised tubing to 290' and spotted 100 sx Class H cement plug 50' in and 50' out of 8-5/8" casing stub at 240'. Spotted a 20 sx Class H cement surface plug. Welded on cap and erected permanent P x A marker. Will notify when location is ready for final inspection.

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

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

SIGNED Bob Lewis TITLE Assist. Admin. Ana DATE 1-16-80

(This space for Federal or State office use)

APPROVED BY _____ TITLE DISTRICT ENGINEER DATE 1-16-80

CONDITIONS OF APPROVAL, IF ANY:

0+4 USGS-A, 1-Hou, 1-Susp, 1-BD

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Copy to S-
NM 04 76368
Form approved,
Budget Bureau No. 42-R355.6

5. LEASE DESIGNATION AND SERIAL NO.

~~NM-064200~~

6. IF INDIAN, ALIQUOT OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

HERREN FED GAS COM
9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

WILDCAT-WOLFCAMP GAS
11. SEC. T., R., M., OR BLOCK AND SURVEY OF AREA

7-24-27 NMPM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN FLAG BACK DIFF. REAR Other

3. NAME OF OPERATOR: Amoco Production Company

4. ADDRESS OF OPERATOR: BOX 68, HOBBS, N. M. 88240

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface: 1980 FSL x 1980 FWL Sec 27 T10N R4E SW/4
At top prod. interval reported below
At total depth

MAY 2 1974

ARTESIA OFFICE

RECEIVED
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

12. COUNTY OR PARISH: EDDY
13. STATE: N.M.

15. DATE SPUDDED: 12-13-73
16. DATE T.D. REACHED: 3-1-74
17. DATE COMPL. (Ready to prod.): 4-4-74
18. ELEVATIONS (OF. ARB. ST. GR. ETC.): 3246 RDB
19. ELEV. CASINGHEAD: -

20. TOTAL DEPTH, MD & TVD: 12245'
21. PLUG, BACK T.D., MD & TVD: 11400'
22. IF MULTIPLE COMPL., HOW MANY?
23. INTERVALS DRILLED BY: 10-TD
24. ROTARY TOOLS
25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD):
10026 - 10134 WOLFCAMP
26. WAR DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN: Comp mud Form Density, Mud Sp, Pres & LL
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
13 3/8"	48#	417'	17 1/2"	550 - Circ	
8 5/8"	24-32#	5618'	11"	1200	
5 1/2"	17-20#	12243'	7 7/8"	650	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	10101	9912

30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	10101	9912

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
10026-058, 130-134	1/2	25SPF
11564-603	1/2	SPF (BP@11400)
11742-56	1/2	SPF (BP@11700)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10026-134	3000 gal 15%
11564-603	3000 gal 15%
11742-56	None

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut in)					
4-4-74	FLW	3I					
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4-4-74	4	VARIOUS	→	—	243	0	—
FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
2501	2516	→					

34. DISPOSITION OF GAS (Hold, used for fuel, vented, etc.): To Be sold - awaiting sales outlet Testeller Inc

35. LIST OF ATTACHMENTS: None

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

SIGNED: Roy R. Jordan TITLE: ADMINISTRATIVE ASSISTANT DATE: MAY 24 1974

04 5-USGS-AR+
F-DIV
1-W9
1-R24

(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: "Sacks 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		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Meycamp	10026	10058	Gas producing zone	LAMAR	2000	
				DEL	2080	
Upper-Penn	11564	11603	Dry	BONE SP.	5620	
				34 " "	8370	
				WOLF	8718	
Lower-Penn	11742	11756	Dry	STRAWN	10710	
				ATOKA	10955	
				MORROW	11440	
				MID " "	11710	
				LOW " "	12020	
				BARNETT	12170	

RECEIVED OCD

2016 MAY -5 P 2: 44

Delaware Energy, LLC
3001 W. Loop 250 North, Suite C-105-318
Midland, TX 79705
(214) 558-1371
Prestonms@gmail.com
May 4, 2016

Mr. Phillip Goetze
Engineering & Geological Services Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Dear Mr. Phillip Goetze:

Enclosed please find Delaware Energy's Application for Injection/SWD for the Herren Federal Gas Com #1 wellbore, API # 30-015-21033. Please feel free to contact me should you have any questions, etc.

Sincerely,



Preston M. Stein
Delaware Energy, LLC

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

McMillan, Michael, EMNRD

From: McMillan, Michael, EMNRD
Sent: Monday, May 09, 2016 10:01 AM
To: 'Preston Stein'
Subject: Herren Federal Gas Com. SWD Well No.1

Preston:

The OCD received your administrative application for the Herren Federal Gas Com. SWD Well No.1 on May 5, 2016.

The OCD will require the following information:

Notice of publication in the newspaper of general circulation in which the proposed SWD well is located.

Proof of certified mailing to the surface owner

Proof of mailing to the affected parties

Injection well data sheet

As a result, your application has been suspended on May 9, 2016..

Thank You

Michael A. McMillan

Engineering and Geological Services Bureau, Oil Conservation Division

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

O: 505.476.3448 F. 505.476.3462

Michael.mcmillan@state.nm.us

Next Higher: None. Next Lower: Bone Spring 5,620', Wolfcamp 8,718', Strawn 10,710', Atoka 10,955', Morrow 11,440', Barnett 12,170'

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

Erin CoatsSmith, being first duly
sworn, on oath says:

That she is the Publisher 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:

May 6 2016

That the cost of publication is **\$66.82**
and that payment thereof has been
made and will be assessed as court
costs.

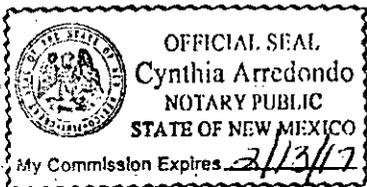
Erin CoatsSmith

Subscribed and sworn to before me
this 20 day of May
2016

Cynthia Arredondo

My commission Expires
2/13/17

Notary Public



May 6, 2016
Delaware Energy, L.L.C., 3001 W. Loop 250N, Suite C-105-318, Midland, TX 79705, has filed a form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to utilize the Herren Fed Gas Com #1 (API - 30-015-21033) as a Salt Water Disposal well. The Herren Fed Gas Com #1 is located at 1980' FSL and 1980' FWL, Unit Letter K, Section 7, Township 24 South, Range 27 East, Eddy County, New Mexico. The well will dispose of water produced from oil and gas wells into the Delaware Formation at 2,892' to 5,250' at a maximum rate of 10,000 barrels of water per day at a maximum pressure of 578 psi. 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. Additional information can be obtained by contacting Delaware Energy, L.L.C., at (214) 558-1371.

U.S. Postal Service
CERTIFIED MAIL RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com

OKLAHOMA CITY, OK 73102
SPECIAL USE

Domestic Mail Fee \$3.30 0708 04

Extra Services & Fees (check one box only):
 Return Receipt (hardcopy) \$0.00
 Return Receipt (electronic) \$0.00
 Certified Mail Restricted Delivery \$0.00
 Adult Signature Required \$0.00
 Adult Signature Restricted Delivery \$0.00

Postage \$1.78
Total Postage and Fees \$7.78

Date to: **05/04/2016**

Send to: **DEAN RYAN (HEREIN FEO)**
 Street Address: **33 W. SAGEWOOD**
 City/State: **OKLAHOMA CITY, OK 73102**

PS Form 3800, April 2015 PSN 7530-02-000-9063 See Reverse for Instructions

U.S. Postal Service
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For delivery information, visit our website at www.usps.com

MIAMI, FL 33102
SPECIAL USE

Domestic Mail Fee \$3.30 0708 04

Extra Services & Fees (check one box only):
 Return Receipt (hardcopy) \$0.00
 Return Receipt (electronic) \$0.00
 Certified Mail Restricted Delivery \$0.00
 Adult Signature Required \$0.00
 Adult Signature Restricted Delivery \$0.00

Postage \$1.78
Total Postage and Fees \$7.78

Date to: **05/04/2016**

Send to: **DWYER PROPERTIES (HEREIN FEO)**
 Street Address: **PO BOX 2040**
 City/State: **MIAMI, FL 33102**

PS Form 3800, April 2015 PSN 7530-02-000-9063 See Reverse for Instructions

COMPLETE THIS SECTION

1. Complete items 1, 2, and 3.
 2. Print your name and address on the reverse so that we can return the card to you.
 3. Attach this card to the back of the mailpiece, or on the front if space permits.

Addressed to:
ENERGY PRODUCTION CO
33 W. SAGEWOOD
OKLAHOMA CITY, OK 73102

3. Service Type
 Adult Signature
 Certified Mail
 Certified Mail Restricted Delivery
 Collect on Delivery
 Mail Restricted Delivery

4. Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Return Receipt for Merchandise
 Signature Confirmation™
 Restricted Delivery

590 9402 1604 5362 6004 50
 Number (Transfer from service label)
15 3010 0000 2209 1146

PS Form 3811, July 2015 PSN 7530-02-000-9063 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

1. Complete items 1, 2, and 3.
 2. Print your name and address on the reverse so that we can return the card to you.
 3. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
O'NEIL PROPERTIES LTD
PO BOX 2040
MIAMI, FL 33102

2. Article Number (Transfer from service label)
7015 3010 0000 2209 1106

PS Form 3811, July 2015 PSN 7530-02-000-9063 Domestic Return Receipt

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OKLAHOMA CITY, OK 73102
SPECIAL USE

Domestic Mail Fee \$3.30 0708 04

Extra Services & Fees (check one box only):
 Return Receipt (hardcopy) \$0.00
 Return Receipt (electronic) \$0.00
 Certified Mail Restricted Delivery \$0.00
 Adult Signature Required \$0.00
 Adult Signature Restricted Delivery \$0.00

Postage \$1.78
Total Postage and Fees \$7.78

Date to: **05/04/2016**

Send to: **BLM - CARLSBAD (HEREIN FEO)**
 Street Address: **620 E. GREENE ST**
 City/State: **CARLSBAD, NM 88220**

PS Form 3800, April 2015 PSN 7530-02-000-9063 See Reverse for Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com

MIAMI, FL 33102
SPECIAL USE

Domestic Mail Fee \$3.30 0708 04

Extra Services & Fees (check one box only):
 Return Receipt (hardcopy) \$0.00
 Return Receipt (electronic) \$0.00
 Certified Mail Restricted Delivery \$0.00
 Adult Signature Required \$0.00
 Adult Signature Restricted Delivery \$0.00

Postage \$1.78
Total Postage and Fees \$7.78

Date to: **05/04/2016**

Send to: **COG OP (HEREIN FEO)**
 Street Address: **600 W. ILLINOIS**
 City/State: **MIAMI, FL 33102**

PS Form 3800, April 2015 PSN 7530-02-000-9063 See Reverse for Instructions

RECIPIENT: COMPLETE THIS SECTION

1. Complete items 1, 2, and 3.
 2. Print your name and address on the reverse so that we can return the card to you.
 3. Attach this card to the back of the mailpiece, or on the front if space permits.

Addressed to:
BLM OF CARLSBAD MGMT
CARLSBAD OFFICE
20 E. GREENE ST
CARLSBAD, NM 88220

3. Service Type
 Adult Signature
 Certified Mail
 Certified Mail Restricted Delivery
 Collect on Delivery
 Mail Restricted Delivery

4. Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Return Receipt for Merchandise
 Signature Confirmation™
 Restricted Delivery

590 9402 1604 5362 6013 10
 Number (Transfer from service label)
15 3010 0000 2209 1092

PS Form 3811, July 2015 PSN 7530-02-000-9063 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

1. Complete items 1, 2, and 3.
 2. Print your name and address on the reverse so that we can return the card to you.
 3. Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
COG OPERATING LLC
600 W. ILLINOIS AVE
MIAMI, FL 33102

2. Article Number (Transfer from service label)
7015 3010 0000 2209 1115

PS Form 3811, July 2015 PSN 7530-02-000-9063 Domestic Return Receipt

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0708

05/04/2016

9102-1-1000

Services & Fees:
 Return Receipt (hardcopy) \$2.70
 Return Receipt (electronic) \$0.00
 Priority Mail Restricted Delivery \$0.00
 Adult Signature Restricted Delivery \$0.00
 Adult Signature Restricted Delivery \$0.00
 Postage \$1.78
 Total Postage and Fees \$7.78

Article Addressed to:
 MELBOURNE OIL CO (HIDDEN Pkg)
 PO BOX 7692
 TYLER TX 75711

9590 9402 1604 5362 6004 43
 7015 3010 0000 2209 1139

Form 3811, July 2015 PSN 7530-02-000-9063

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OFFICIAL USE

Postage and Fees: \$3.30

0708

05/04/2016

9102-1-1000

Services & Fees:
 Return Receipt (hardcopy) \$2.70
 Return Receipt (electronic) \$0.00
 Priority Mail Restricted Delivery \$0.00
 Adult Signature Restricted Delivery \$0.00
 Adult Signature Restricted Delivery \$0.00
 Postage \$1.78
 Total Postage and Fees \$7.78

Article Addressed to:
 FEATHERSTONE DEV CORP
 PO BOX 424
 ROSWELL NM 88202

9590 9402 1604 5362 6004 36
 7015 3010 0000 2209 1122

Form 3811, July 2015 PSN 7530-02-000-9063

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
 Print your name and address on the reverse so that we can return the card to you.
 Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:
 MELBOURNE OIL CO
 PO BOX 7692
 TYLER TX 75711

9590 9402 1604 5362 6004 43
 7015 3010 0000 2209 1139

Form 3811, July 2015 PSN 7530-02-000-9063

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Nick Atkins* Agent Addressee

B. Received by (Printed Name)
 NICK ATKINS

C. Date of Delivery
 05/04/16

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below: No

3. Service Type
 Adult Signature Priority Mail Express®
 Adult Signature Restricted Delivery Registered Mail™
 Certified Mail® Registered Mail Restricted Delivery
 Collect on Delivery Return Receipt for Merchandise
 Insured Mail Signature Confirmation™
 All Restricted Delivery Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
 Print your name and address on the reverse so that we can return the card to you.
 Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:
 FEATHERSTONE DEV CORP
 P.O. BOX 424
 ROSWELL, NM 88202

9590 9402 1604 5362 6004 36
 7015 3010 0000 2209 1122

Form 3811, July 2015 PSN 7530-02-000-9063

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Janet Turner* Agent Addressee

B. Received by (Printed Name)
 JANET TURNER

C. Date of Delivery
 05/04/16

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below: No

3. Service Type
 Adult Signature Priority Mail Express®
 Adult Signature Restricted Delivery Registered Mail™
 Certified Mail® Registered Mail Restricted Delivery
 Collect on Delivery Return Receipt for Merchandise
 Insured Mail Signature Confirmation™
 All Restricted Delivery Restricted Delivery

Domestic Return Receipt

**U.S. Postal Service™
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Domestic Mail Only

For delivery information, visit our website at www.usps.com.

OFFICIAL USE

Postage and Fees: \$3.30

0708

05/04/2016

9102-1-1000

Services & Fees:
 Return Receipt (hardcopy) \$2.70
 Return Receipt (electronic) \$0.00
 Priority Mail Restricted Delivery \$0.00
 Adult Signature Restricted Delivery \$0.00
 Adult Signature Restricted Delivery \$0.00
 Postage \$1.78
 Total Postage and Fees \$7.78

Article Addressed to:
 NM OIL CONGRESSION DIV
 811 S. FIRST ST.
 ARTESIA, NM 88210

9590 9402 1604 5362 6013 03
 7015 3010 0000 2209 1085

Form 3811, July 2015 PSN 7530-02-000-9063

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
 Print your name and address on the reverse so that we can return the card to you.
 Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:
 NM OIL CONGRESSION DIV
 811 S. FIRST ST.
 ARTESIA, NM 88210

9590 9402 1604 5362 6013 03
 7015 3010 0000 2209 1085

Form 3811, July 2015 PSN 7530-02-000-9063

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Janet Turner* Agent Addressee

B. Received by (Printed Name)
 JANET TURNER

C. Date of Delivery
 05/04/16

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below: No

3. Service Type
 Adult Signature Priority Mail Express®
 Adult Signature Restricted Delivery Registered Mail™
 Certified Mail® Registered Mail Restricted Delivery
 Collect on Delivery Return Receipt for Merchandise
 Insured Mail Signature Confirmation™
 All Restricted Delivery Restricted Delivery

Domestic Return Receipt

Goetze, Phillip, EMNRD

From: Preston Stein <preston@delawareenergyllc.com>
Sent: Friday, July 15, 2016 8:58 AM
To: Goetze, Phillip, EMNRD
Subject: RE: Status of Herren Fed Gas Com #1 & Paloma Fed Com #1
Attachments: Herren Federal Gas Com No 1 WBD Proposed.xlsx; Herren Fed Gas Com No 1 SWD C-108 (1).rtf; C-108 Additional Questions Herren Fed Gas Com No 1.docx

Mr. Goetze,

Attached please find amended docs for Herren Fed to address OCD's concerns.

Best Regards,

Preston M. Stein
Vice President
Delaware Energy, LLC
3001 W. Loop 250 N
Suite C-105-318
Midland, TX 79705
(214) 558-1371

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From: Goetze, Phillip, EMNRD [mailto:Phillip.Goetze@state.nm.us]
Sent: Tuesday, July 12, 2016 11:56 AM
To: Preston Stein <preston@delawareenergyllc.com>
Cc: Jones, William V, EMNRD <WilliamV.Jones@state.nm.us>; McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>; Lowe, Leonard, EMNRD <Leonard.Lowe@state.nm.us>
Subject: RE: Status of Herren Fed Gas Com #1 & Paloma Fed Com #1

Mr. Stein:

The application for the Herren Fed Gas Com No. 1 proposes a disposal interval of the Delaware Mountain Group (DMG) that includes all three formations (including the Brushy Canyon formation based on correlation of completed intervals in the area), not just the Bell Canyon and Cherry Canyon formations as submitted. The New Mexico Bureau of Geology and Mineral Resources (Broadhead, 2010) identified this portion of the basin as having moderate to high potential for development of the Brushy Canyon by horizontal drilling. The HC tests conducted on the two perfed intervals in the lower DMG (at 5230'-5270' and at 5140'-5160') along with the test of the shallower, historical intervals of the Bell Canyon formation are representative of vertical DMG play development of the 1980's. Since this proposed injection contains a strata with potential hydrocarbon development, Division is considering modification of the application to the upper two formations.

The application does note that usable water is from surface to the base of the Rustler and that there are no known water wells in the vicinity. Review of the State Engineer's Waters Database identifies at least three shallow water wells (less than 110 feet deep) in Section 8 and within one-mile of the SWD location. All of these wells are domestic sources. Please refer to Section XI of the C-108 for addressing this matter.

Finally, though your summary list of the application notes a completed C-108 form, this item was not include in the package received by OCD. Would you please provide a PDF copy when possible.

If can provide these items and any additional information in support of the lithologic units and hydrocarbon potential would assist in the processing of this application. Please contact me with regards to any questions on this request or additional concerns regarding the application. PRG

Phillip R. Goetze, PG
Engineering Bureau
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505
Direct: 505.476.3466
E-mail: phillip.goetze@state.nm.us



From: Preston Stein [<mailto:preston@delawareenergyllc.com>]
Sent: Monday, July 11, 2016 4:14 PM
To: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Subject: RE: Status of Herren Fed Gas Com #1 & Paloma Fed Com #1

Good Afternoon Mr. Goetze,

I'm just following up again as to the status of the Herren Fed Gas Com permit referenced below. I spoke with Mr. McMillan regarding the Paloma Fed but have not yet been apprised of the Herren Fed Gas Com status. Thanks!

Best Regards,

Preston M. Stein
Vice President
Delaware Energy, LLC
3001 W. Loop 250 N
Suite C-105-318
Midland, TX 79705
[\(214\) 558-1371](tel:(214)558-1371)

This electronic transmission and any attached documents or other writings are intended only for the person or entity to which it is addressed and may contain information that is privileged, confidential or otherwise protected from disclosure. If you have received this communication in error, please immediately notify sender by return e-mail and destroy the communication. Any disclosure, copying, distribution or the taking of any action concerning the contents of this communication or any attachments by anyone other than the named recipient is strictly prohibited.

From: Preston Stein [<mailto:Preston@delawareenergyllc.com>]
Sent: Friday, June 24, 2016 11:04 AM
To: Phillip.Goetze@state.nm.us
Subject: Fwd: Status of Herren Fed Gas Com #1 & Paloma Fed Com #1

Good Morning Mr. Goetze,

Please see below. I spoke with Mr. McMillan this morning and he had no idea where these permits were. I have confirmation of receipt by the OCD of both. I submitted proofs of notice and publication affidavit for Paloma Fed and Herren Fed Gas Com on 5/27 and 6/2.

As the 15 day period has passed, I'm trying to get an idea of status on these so that we can properly plan and coordinate development etc. Thanks in advance.

Best Regards,

Preston M. Stein
Vice President
Delaware Energy, LLC
3001 W. Loop 250 N
Suite C-105-318
Midland, TX 79705
(214) 558-1371

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Begin forwarded message:

From: Preston Stein <preston@delawareenergyllc.com>
Date: June 23, 2016 at 4:15:57 PM CDT
To: "'McMillan, Michael, EMNRD'" <Michael.McMillan@state.nm.us>
Subject: RE: Status of Herren Fed Gas Com #1 & Paloma Fed Com #1

Good Afternoon Mr. McMillan,

Just following up as to the below. Thanks,

Best Regards,

Preston M. Stein
Vice President
Delaware Energy, LLC
3001 W. Loop 250 N
Suite C-105-318
Midland, TX 79705
(214) 558-1371

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From: Preston Stein [<mailto:Preston@delawareenergyllc.com>]
Sent: Monday, June 20, 2016 12:03 PM
To: 'McMillan, Michael, EMNRD' <Michael.McMillan@state.nm.us>
Subject: Status of Herren Fed Gas Com #1 & Paloma Fed Com #1

Good Morning Mr. McMillan,

I'm just following up as to the current status of the Herren Fed Gas Com and the Paloma Fed Com applications for injection/SWD that Delaware Energy submitted last month. Having received no notice of protest from any affected parties and having submitted all necessary proof of notice information, I believe we should be close to receiving approval assuming the technical aspects of the permits are satisfactory, etc.

Thanks,

Best Regards,

Preston M. Stein Vice President
Delaware Energy, LLC 3001 W. Loop 250 N
Suite C-105-318 Midland, TX 79705
(214) 558-1371

This electronic transmission and any attached documents or other writings are intended only for the person or entity to which it is addressed and may contain information that is privileged, confidential or otherwise protected from disclosure. If you have received this communication in error, please immediately notify sender by return e-mail and destroy the communication. Any disclosure, copying, distribution or the taking of any action concerning the contents of this communication or any attachments by anyone other than the named recipient is strictly prohibited.

Additional Questions on C-108

VII.

1. **Proposed average and maximum daily rate and volume of fluids to be injected;**

Average 2500 BWPD, Max 10,000 BWPD

2. **Whether the system is open or closed;**

Open System, Commercial SWD

3. **Proposed average and maximum injection pressure;**

Average 300 PSI, Max 578 PSI

4. **Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,**

Bone Spring (Willow Lake and Hay Hollow Pools) and Wolfcamp produced water. Water is compatible. Many Delaware SWD wells in the area dispose of water from these horizons, no known incompatibility exist. See attached water analysis from Bone Spring and Wolfcamp produced water.

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.).**

See attached water analysis from nearby Delaware producing well. T24S, R28E

***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.**

The proposed disposal interval is located in the Delaware Mountain Group 2,200' - 4,250' (Bell Canyon to Cherry Canyon Formations). The top of the Bell Canyon (top of Delaware Mountain Group) is located at the base of the Lamar Lime. Bell Canyon and Cherry Canyon contains fine grain sandstone with interbedded siltstones. There are no fresh water zones underlying the proposed injection zone. Usable water depth is from surface to the base of the Rustler at 350'. No known ground water wells exist in section 7, however there are many wells in section 8 of T24-27E. Water source is older alluvium with an average depth to water of 25ft. One well exist in section 18 T24 27E at a depth of 32ft. An additional well exist in section 13 of 24S 26E with a max depth of 200ft.

IX. **Describe the proposed stimulation program, if any.**

10,000 gallons 15% HCL acid job with packer

X. Logs have been submitted by the previous operator. Delaware Energy will submit cased hole logs following workover and completion work.

XI. A water well sample from section 8-24S-27E and section 18-24S-26E are included.

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.**

Delaware Energy, L.L.C. has reviewed and examined available geologic and engineering data in the area of interest for the Herren Fed Gas Com #1 SWD and have found no evidence of faults or other hydrologic connections between the Delaware disposal zone and the underground sources of drinking water.

Preston Stein Vice-President 4/27/2016
 _____ Title _____ Date _____

III. WELL DATA

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 Herren Fed Gas Com #1, Sec. 7-T24S-R27E, 1980' FSL & 1980' FWL, UL K, Eddy County, New Mexico

(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.

Casing Size	Setting Depth	Sacks of Cement	Hole Size	Top of Cement	Determined
13-3/8"	417'	550	17-1/2"	Surface	Circulate
8-5/8"	5,618'	1200	11"	240'	Free point & cut
*7" UFJ	2,842'	150	7.825"	Surface	Circulate, CBL
* proposed					

(3) A description of the tubing to be used including its size, lining material, and setting depth.
 4-1/2" OD, Internally Plastic Coated Tubing set 50ft above uppermost perforation

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.
 Weatherford Arrow set 1X injection packer, nickel plated with on/off tool

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.
 Delaware – Bell Canyon to Cherry Canyon
 Pool Name: SWD (Delaware)

(2) The injection interval and whether it is perforated or open-hole.
 2,892' to 4,250 (perforated)

(3) State if the well was drilled for injection or, if not, the original purpose of the well.
 The well was originally drilled to test Wolfcamp, Bone Springs, and Delaware Sands. The well was found unproductive of hydrocarbons

(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.

Perforations 10,026'-10,134', Plugged with CIBP set @ 10,000' w/ 35 sx cmt

Perforations 5,230'-5,270', Plugged with CIBP set @ 5,215'

Perforations 5,140'-5,160', Plugged with CIBP set @ 5,120'

perforated 2,892'-2,914', spotted cement plug from 2764' to 2914'

Perforations 417'- 422 plugged with 100 sacks cement with tubing at 441' then squeezed

Plugged with 100 sx cmt spotted from 365'-465'

Spotted 100ft plug at 240' (casing stub)

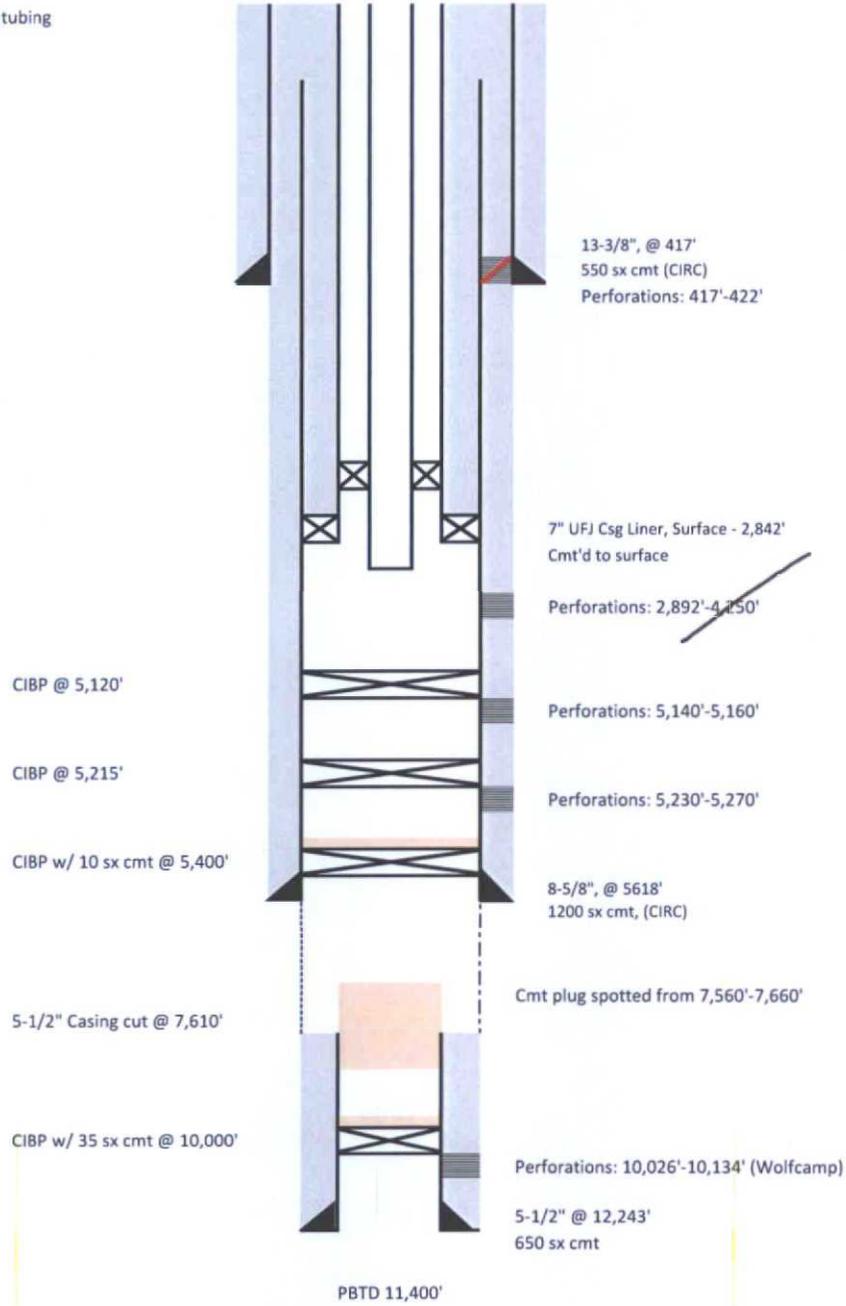
Spotted surface plug with 20 sx

(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.

Next Higher: None. Next Lower: Bone Spring 5,620', Wolfcamp 8,718', Strawn 10,710', Atoka 10,955', Morrow 11,440'

Herren Federal Gas Com No 1
 1980 'FSL & 1980' FWL, UL K, SEC. 7, T-24S R-27E, Eddy County, NM
 API # 30-015-21033

4.5" IPC tubing



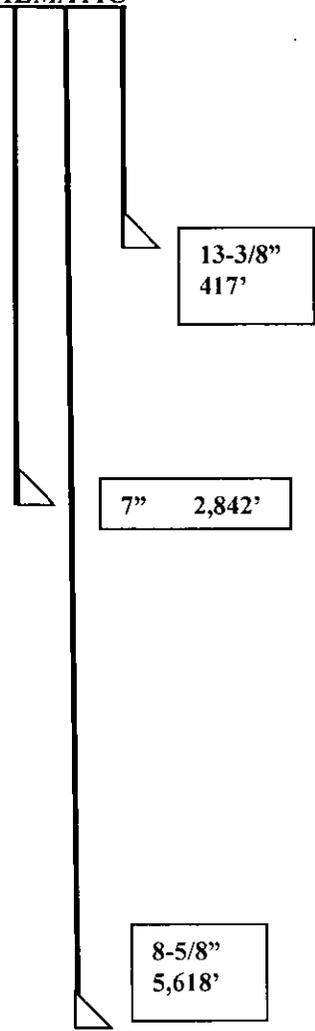
INJECTION WELL DATA SHEET

OPERATOR: Delaware Energy LLC

WELL NAME & NUMBER: Herren Fed Gas Com No 1

WELL LOCATION: 1980' FSL. 1980' FWL K 7 24S 27E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"
 Cemented with: 550 sx. or _____ ft³
 Top of Cement: SURFACE Method Determined: Circulated
 Total Depth: 417'

Intermediate Casing (N/A)

Hole Size: 11" Casing Size: 8-5/8"
 Cemented with: 1200 sx. or _____ ft³
 Top of Cement: 240' Method Determined: Free point & cut
 Total Depth: 5618'

Liner*

Hole Size: 7.825" Casing Size: 7", 26#
 Cemented with: 150 sx. or _____ ft³
 Top of Cement: Surface Method Determined: CBL
 Total Depth: 2,842'

*Proposed work to be done

Injection Interval
2,892' feet to 4,250' *reduced to Cherry Canyon only*
 Perforated, Cased Hole

INJECTION WELL DATA SHEET

Tubing Size: 4.5" Lining Material: Internally plastic coated

Type of Packer: Weatherford Arrow Set IX Injection Packer

Packer Setting Depth: 50-100ft above perforations

Other Type of Tubing/Casing Seal (if applicable): NONE

Additional Data

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

If no, for what purpose was the well originally drilled? Well was originally drilled to test Wolfcamp,

Bone Springs, and Delaware Sands. The well was found to be unproductive of hydrocarbons.

2. Name of the Injection Formation: DELAWARE-BELL – CHERRY CANYON

3. Name of Field or Pool (if applicable): SWD: DELAWARE

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.

Yes.

Perforations 10,026'-10,134', Plugged with CIBP set @ 10,000' w/ 35 sx cmt

Perforations 5,230'-5,270', Plugged with CIBP set @ 5,215'

Perforations 5,140'-5,160', Plugged with CIBP set @ 5,120'

Perforations 2,892'-2,914', Plugged with cement plug spotted from 2764' to 2914'

Squeeze perfs at 417'- 422' 100 sx cmt spotted with tubing at 441'

Spotted plug from 365'- 465'

Spotted 100ft plug at 240' (casing Stub)

20sx surface plug

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

BELOW: Bone Spring 5,620', Wolfcamp 8,718', Strawn 10,710', Atoka 10,955', Morrow 11,440',

ABOVE: NONE



C-108 Review Checklist: Received 05/09/16 Add. Request: 07/12/16 Reply Date: _____ Suspended: 05/09/16 [Ver 16]

ORDER TYPE: WFX / PMX / SWD Number: 1645 Order Date: Aug 22/16 Legacy Permits/Orders: None

Well No. 1 Well Name(s): Herren Federal Gas Com.

API: 30-0 15-21033 Spud Date: 12/13/1973 New or Old: old (UIC Class II Primacy 03/07/1982)

Footages 1980' FSL / 1980' FWL Lot - or Unit K Sec 7 Tsp 24S Rge 27E County Eddy

General Location: ~7 mi. South of Carlsbad/north of Black River Pool: Sub-Delaware Bell Canyon - Cherry Canyon Pool No.: 96100

BLM 100K Map: Carlsbad Operator: Delaware Energy, LLC OGRID: 37195 Contact: Preston Stein, VP

COMPLIANCE RULE 5.9: Total Wells: 0 Inactive: 0 Fincl Assur: Blanket bond Compl. Order? NO IS 5.9 OK? Yes Date: 8/22/16

WELL FILE REVIEWED Current Status: P&A Morrow well; Federal well - fed. min; shallower tests & production

WELL DIAGRAMS: NEW: Proposed or RE-ENTER: Before Conv. After Conv. Logs in Imaging: Two logs on record - neither

Planned Rehab Work to Well: Drill out plugs to 5120 CIBP; set new 7" casing to 2892'
cut to surface & perforate; set tubing & packer

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement (Sx) or Cf	Cement Top and Determination Method
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Surface	17 1/2 / 13 3/8	0 to 417	550	Circulated to surface
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Interm/Prod	11 / 8 5/8	0 to 5618	8 5/8 cut at 240' prior to P&A	1200 - cut casing
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Interm/Prod	7 3/8 / 5 1/2	0 to 12243	5 1/2 cut at 7610' prior to P&A	< 7610' cut casing
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Prod/Liner			None	650 SX casing
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Liner	7"	0 to 2842'	None	Cir or CBL
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> OH / PERF	Exist: 417-422 (RPA) 2892 - 2914 5140 - 5160 5236 - 5270	New 2892 - 5250'	Int Length 5708	

Injection Lithostratigraphic Units:	5140 - 5160 5236 - 5270	Injection or Confining 10026 - 10182 Units → 3600' Tops	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.		Rustler	Drilled TD <u>12243</u> PBTD <u>11400</u>
Confining Unit: Litho. Struc. Por.	± 800'	Lamar	NEW TD <u>---</u> NEW PBTD <u>5120</u> (current CIBP)
Proposed Inj Interval TOP:	<u>2892</u>	Bell Canyon (?)	NEW Open Hole <input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/>
Proposed Inj Interval BOTTOM:	<u>5250</u>	Cherry Canyon	Tubing Size <u>4 1/2</u> in. Inter Coated? <u>Yes</u>
Confining Unit: Litho. Struc. Por.	± 800'	Brush Canyon	Proposed Packer Depth <u>Not given</u> ft
Adjacent Unit: Litho. Struc. Por.		Bone Spring	Min. Packer Depth <u>2792'</u> (100-ft limit)
			Proposed Max. Surface Press. <u>300</u> psi
			Admin. Inj. Press. <u>579</u> (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P NA Noticed? BLM Sec Ord NA WIPP NA Noticed? Salt/Salado T: --- B: --- NW: Cliff House fm ---

FRESH WATER: Aquifer Alluvial / Rustler (Base) Max Depth < 300' HYDRO AFFIRM STATEMENT By Qualified Person

NMOSE Basin: Carlsbad CAPITAN REEF: thru. --- adj. --- NA No. GW Wells in 1-Mile Radius? 3 FW Analysis? Not available

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

Disposal Interval: Inject Rate (Avg/Max BWPD): 2500/10000 Protectable Waters? No Source: Historical System: Closed or Open

HC Potential: Producing Interval? Yes Formerly Producing? Yes Method: Logs/DST/P&A/Other Historical 2-Mile Radius Pool Map

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

Penetrating Wells: No. Active Wells 0 Num Repairs? --- on which well(s)? --- Diagrams? ---

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

NOTICE: Newspaper Date 5/6/16 Mineral Owner BLM Surface Owner BLM N. Date 5/6/16

RULE 26.7(A): Identified Tracts? Yes Affected Persons: COG / O'Neil Properties / Everly Prod. / Featherstone N. Date 5/6/16

Order Conditions: Issues: Formation picks & confining zones; final const. due to interval reduction

Add Order Cond: Excluded Brushy Canyon based on adjacent logs; cmt stipulations; CIBP at 3000' / injection survey.

Goetze, Phillip, EMNRD

From: Goetze, Phillip, EMNRD
Sent: Tuesday, July 12, 2016 10:55 AM
To: 'Preston Stein'
Cc: Jones, William V, EMNRD; McMillan, Michael, EMNRD; Lowe, Leonard, EMNRD
Subject: RE: Status of Herren Fed Gas Com #1 & Paloma Fed Com #1

Mr. Stein:

The application for the Herren Fed Gas Com No. 1 proposes a disposal interval of the Delaware Mountain Group (DMG) that includes all three formations (including the Brushy Canyon formation based on correlation of completed intervals in the area), not just the Bell Canyon and Cherry Canyon formations as submitted. The New Mexico Bureau of Geology and Mineral Resources (Broadhead, 2010) identified this portion of the basin as having moderate to high potential for development of the Brushy Canyon by horizontal drilling. The HC tests conducted on the two perfed intervals in the lower DMG (at 5230'-5270' and at 5140'-5160') along with the test of the shallower, historical intervals of the Bell Canyon formation are representative of vertical DMG play development of the 1980's. Since this proposed injection contains a strata with potential hydrocarbon development, Division is considering modification of the application to the upper two formations.

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Finally, though your summary list of the application notes a completed C-108 form, this item was not include in the package received by OCD. Would you please provide a PDF copy when possible.

If can provide these items and any additional information in support of the lithologic units and hydrocarbon potential would assist in the processing of this application. Please contact me with regards to any questions on this request or additional concerns regarding the application. PRG

Phillip R. Goetze, PG
Engineering Bureau
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505
Direct: 505.476.3466
E-mail: phillip.goetze@state.nm.us



From: Preston Stein [mailto:preston@delawareenergyllc.com]
Sent: Monday, July 11, 2016 4:14 PM

1st Correlation well

NM OIL CONSERVATION

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-105
Revised August 1, 2011

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

1. WELL API NO.
30-015-42458
2. Type of Lease
 STATE FEE FED/INDIAN
3. State Oil & Gas Lease No.

FEB 2 2015
RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:
 COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only)
 C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name:
Black River State
6. Well Number:
4H
1 mile NE of proposed SUD

7. Type of Completion:
 NEW WELL WORKOVER DEEPENING PLUGBACK DIFFERENT RESERVOIR OTHER

8. Name of Operator
COG Operating LLC

9. OGRID
229137

10. Address of Operator
2208 W. Main Street
Artesia, NM 88210

11. Pool name or Wildcat
Wildcat; Wolfcamp

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	5	24S	27E		660	South	250	West	Eddy
BH:	P	5	24S	27E		701	South	671	East	Eddy

13. Date Spudded 8/31/14 14. Date T.D. Reached 9/27/14 15. Date Rig Released 10/1/14 16. Date Completed (Ready to Produce) 12/11/14 17. Elevations (DF and RKB, RT, GR, etc.) 3212' GR

18. Total Measured Depth of Well 13775' 19. Plug Back Measured Depth 13698' 20. Was Directional Survey Made? Yes 21. Type Electric and Other Logs Run

22. Producing Interval(s), of this completion - Top, Bottom, Name
9823-13680' Bone Spring

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5#	350'	17 1/2"	400 sx	0
9 5/8"	36#	2035'	12 1/4"	750 sx	0
7"	29#	8932'	8 3/4"	900 sx	0
4 1/2"	13.5#	8637-13770	6 1/8"	600 sx	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	8802'	

26. Perforation record (interval, size, and number)		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9823-13600' (936) 13670-13680' (60)		9823-13600'	Acid w/81606 gal 7 1/2%; Frac w/7820415# sand & 7579404 gal fluid

PRODUCTION

28. Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in)		
12/20/14		Flowing			Producing		
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
1/19/15	24	36/64"		348	2691	2025	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
1500#			348	2691	2025		

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Flared 30. Test Witnessed By
Tyler Deans

31. List Attachments
Surveys & logs previously submitted

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude Longitude NAD 1927 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature: *Stormi Davis* Printed Name: Stormi Davis Title: Regulatory Analyst Date: 1/29/15

E-mail Address: sdavis@concho.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 482'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 1765'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Lamar 1986'	Base Greenhorn	T. Granite
T. Blinebry	T. Bell Canyon 2085'	T. Dakota	
T. Tubb	T. Cherry Canyon 2841'	T. Morrison	
T. Drinkard	T. Brushy Canyon 3876'	T. Todilto	
T. Abo	T. Bone Spring Lm 5437'	T. Entrada	
T. Wolfcamp 8783'	T. 1 st Bone Spring 6459'	T. Wingate	
T. Penn	T. 2 nd Bone Spring 6935'	T. Chinle	
T. Cisco (Bough C)	T. 3 rd Bone Spring 8401'	T. Permian	

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

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

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

Submit To Appropriate District Office
 State Lease - 6 copies
 Fee Lease - 5 copies
 District I
 1625 N. ... NM 88240
 District II
 1301 W. ... Artesia, NM 88210
 District III
 1000 R... NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

2nd Correlation well Form C-105
 Revised June 10, 2003

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

WELL API NO. : 30 015 34701

5. Indicate Type of Lease
 STATE FEE X
 State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
 OIL WELL GAS WELL X DRY OTHER

b. Type of Completion:
 NEW X WORK DEEPEN PLUG DIFF. WELL OVER BACK RESVR. OTHER

2. Name of Operator: OGX Resources, LLC

3. Address of Operator
 P.O. Box 2064, Midland, TX 79702

7. Lease Name or Unit Agreement Name

Red Bat Fee

1.28 mile East of Proposed SWD

8. Well No.: 1

9. Pool name or Wildcat:
 Black River, Morrow (Gas)

4. Well Location

Unit Letter O : 660 Feet From The South Line and 1830 Feet From The East Line
 Section 8 Township 24S Range 27E NMPM Eddy County

10. Date Spudded 8-25-06 11. Date T.D. Reached 9-22-06 12. Date Compl. (Ready to Prod.) 12-2-06 13. Elevations (DF & RKB, RT, GR, etc.) 3169' GR 14. Elev. Casinghead

15. Total Depth: 12,344' 16. Plug Back T.D.: 12,260' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools: X Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 11,840-60'; 11,994-12,010'; 12,242-56' - Morrow 20. Was Directional Survey Made No

21. Type Electric and Other Logs Run: GR/CCL/CBL 22. Was Well Cored: No

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

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	532'	17 1/2"	730 sx	None
9 5/8"	36#	2031'	12 1/4"	800 sx	None
7"	26#	9300'	8 3/4"	1250 sx	None

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4 1/2"	8996'	12,344'	355 sx	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	8920'	

26. Perforation record (interval, size, and number):
 Morrow @ 11,840-12,256' w/4 shots/ft
 Morrow @ 11,644-11,760'
 CIBP @ 11,800' pushed down to 12,182' washed out hole to 12,260' (Jan 07).

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

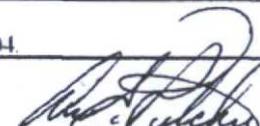
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11.840-12.256"	495 bbl frac w/40000# ultraprop
	w/196 tons C02
11.644-11.760"	3000 gals 7.5% HCL/22900 gal frac w/48500# prop

28. PRODUCTION

Date First Production: 12-3-06		Production Method (Flowing, gas lift, pumping - Size and type pump) flowing			Well Status (Prod. or Shut-in) Producing		
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
2-1-07	24	32/64"		0	340	28	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
200=							

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

30. List Attachments
 Logs & inclination, C-104.

Signature  Name : Ann E. Ritchie Title: Regulatory Agent Date: 3-13-07

E-mail Address: ann.ritchie@wtor.net

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 11,128'	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand 2106'	T. Todilto	T.
T. Drinkard	T. Bone Springs 6520'	T. Entrada	T.
T. Abo	T. Morrow 11,502'	T. Wingate	T.
T. Wolfcamp 8821'	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

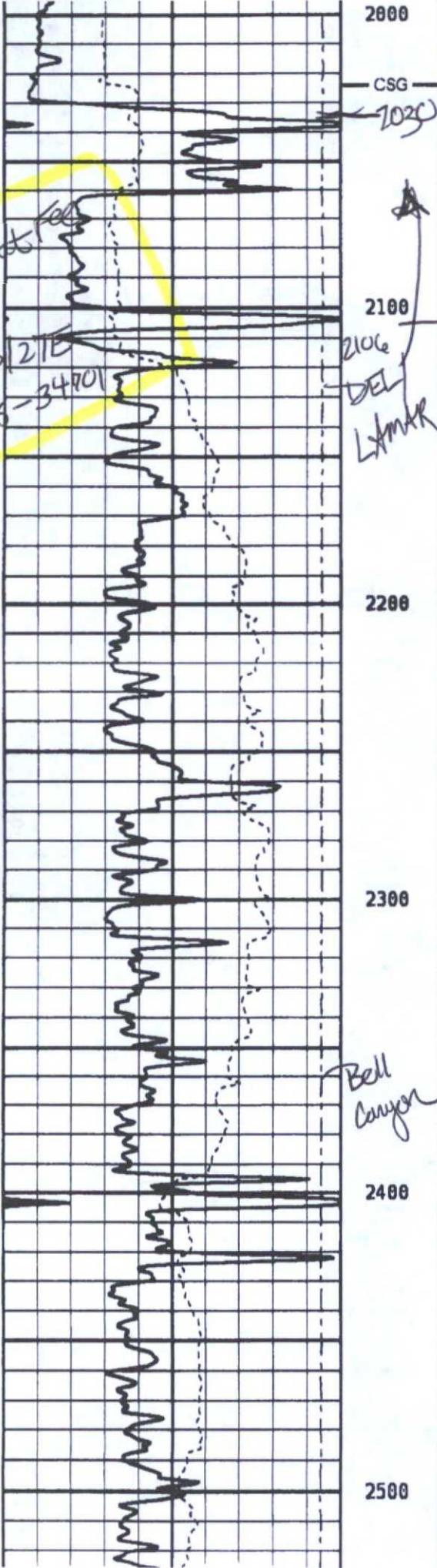
Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

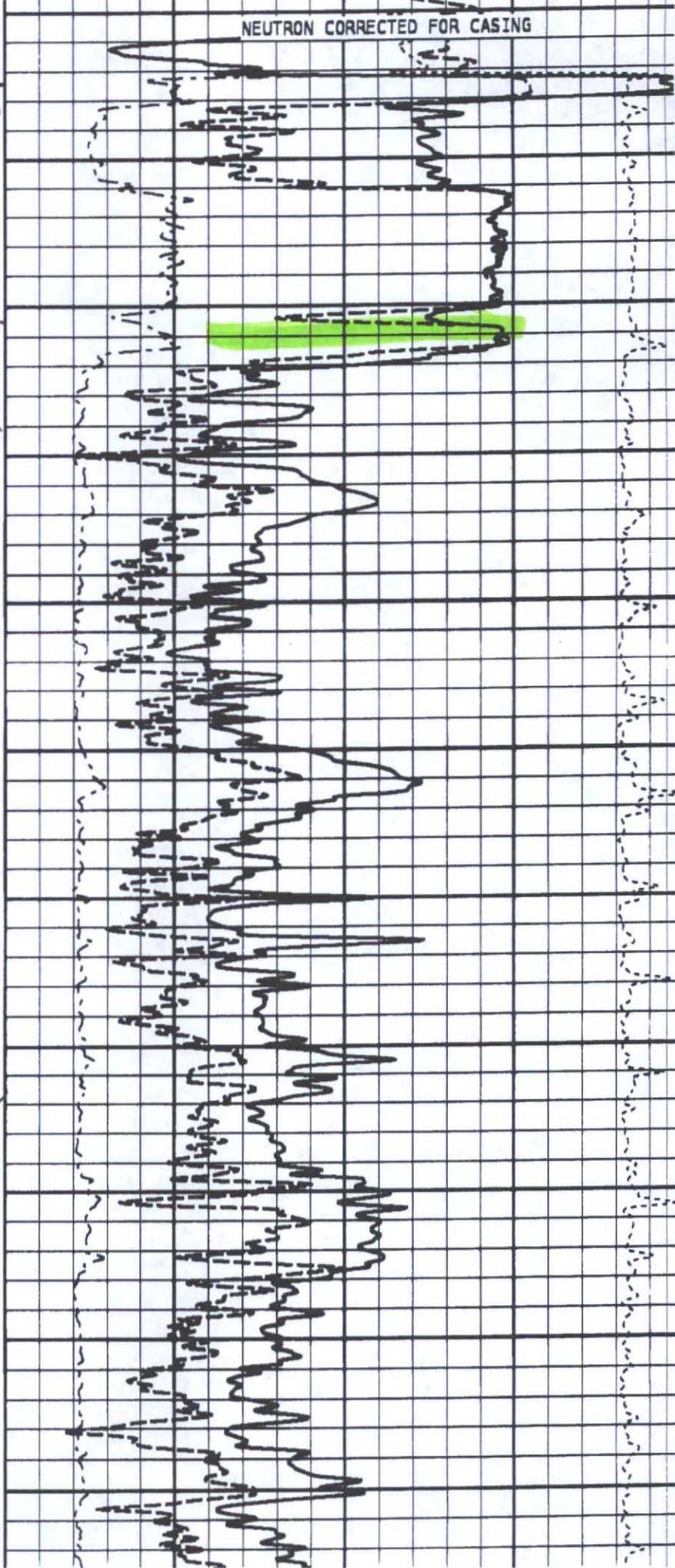
LITHOLOGY RECORD (Attach additional sheet if necessary)

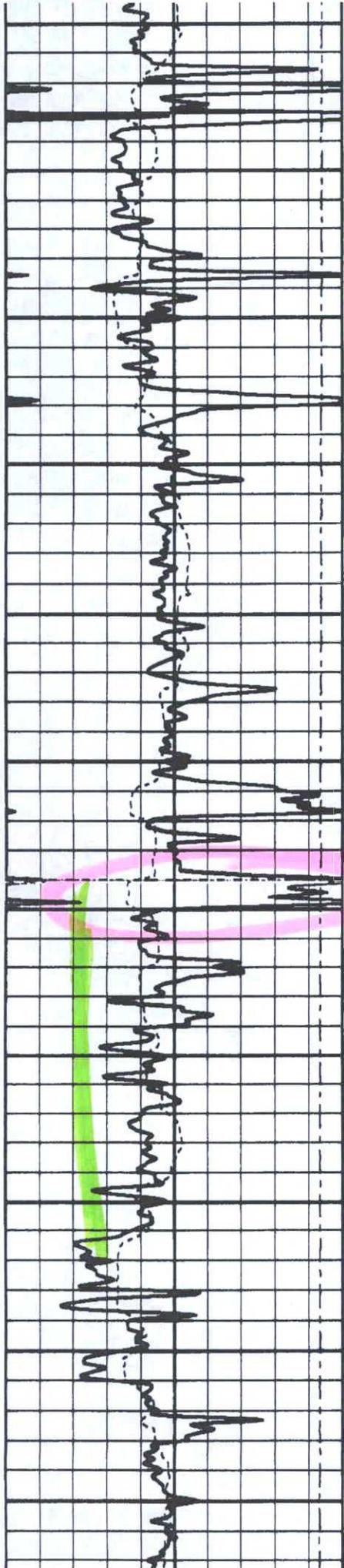
From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
			Delaware @ 2106'				
			Cherry Canyon @ 2808'				
			Bone Spring @ 5500'				
			1st Bone Spring @ 6502'				
			2nd Bone Spring @ 7039'				
			3rd Bone Spring @ 8448'				
			Wolfcamp @ 8821'				
			Atoka @ 11,128'				
			Morrow @ 11,502'				
			Upper Morrow @ 11,612'				
			Middle Morrow @ 11,817'				
			Lower Morrow @ 12,130'				

Rad Bot
#1
8/245
30-015-3470



NEUTRON CORRECTED FOR CASING





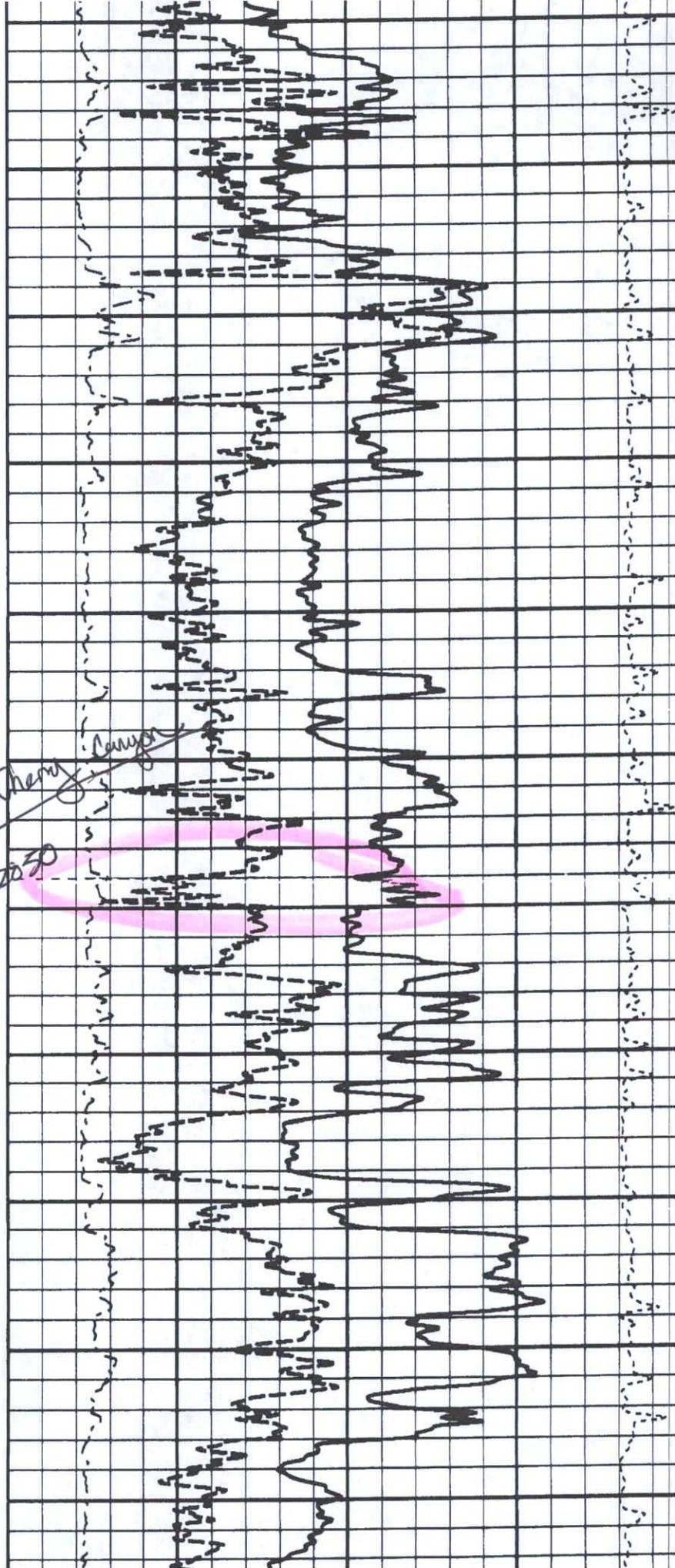
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2700

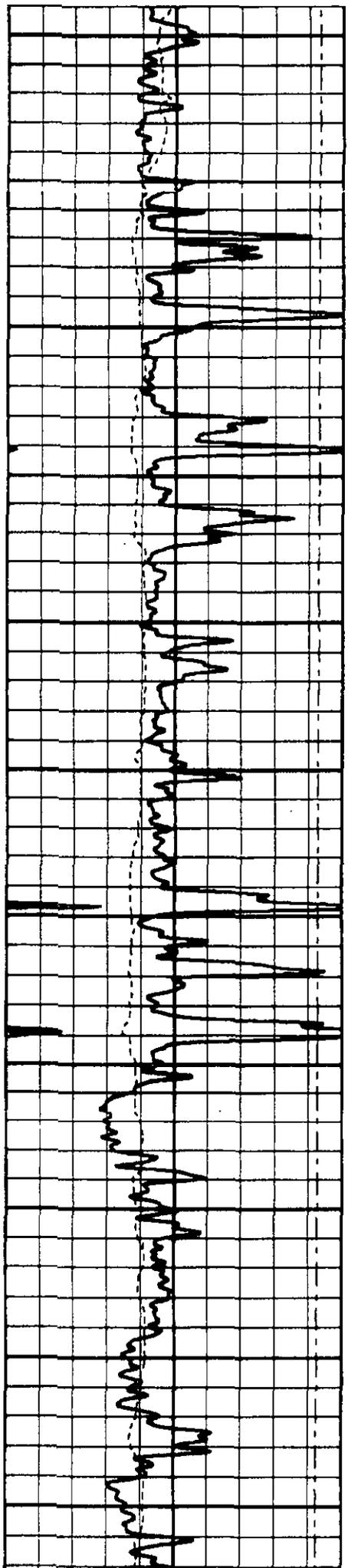
2800

2900

3000



2808 *Cherry*
Range
2815 - 2850



3100

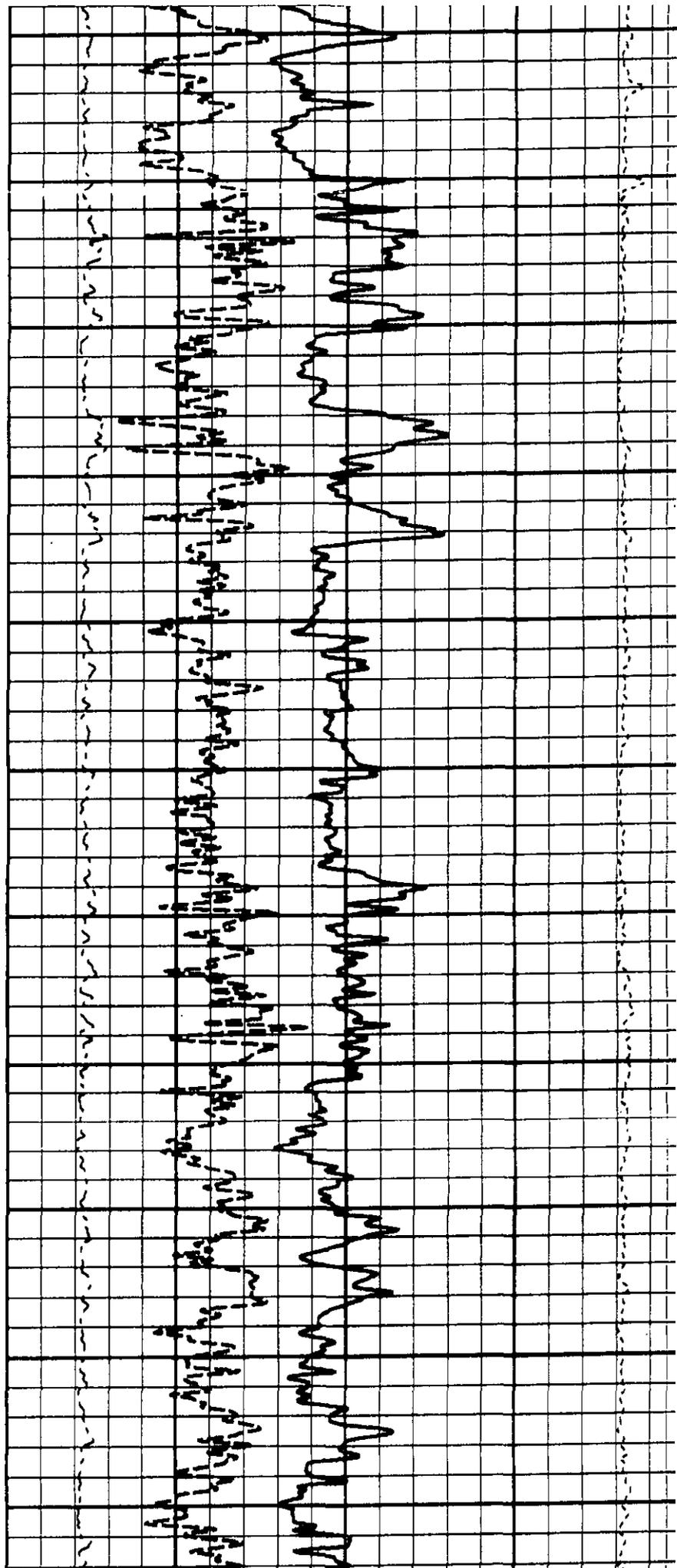
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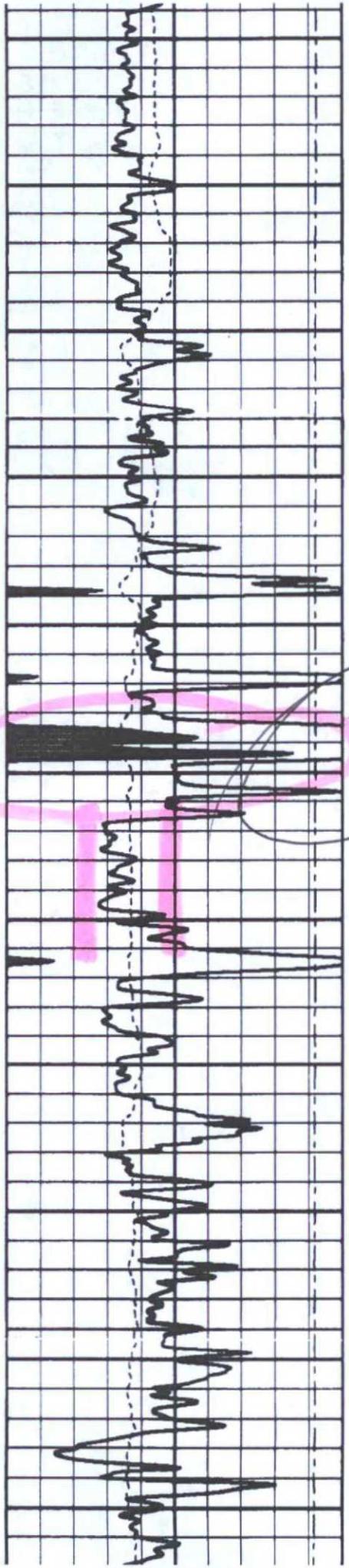
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3400

3500

3600





3700

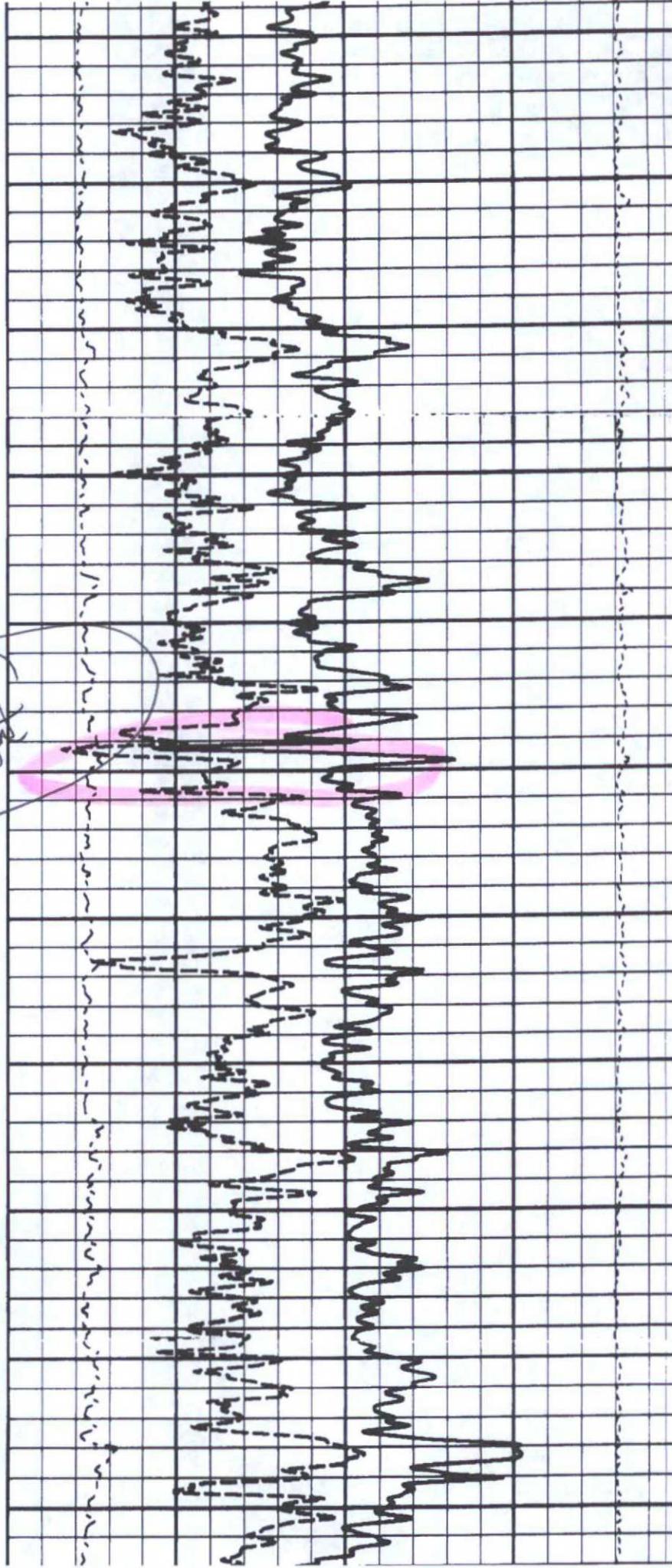
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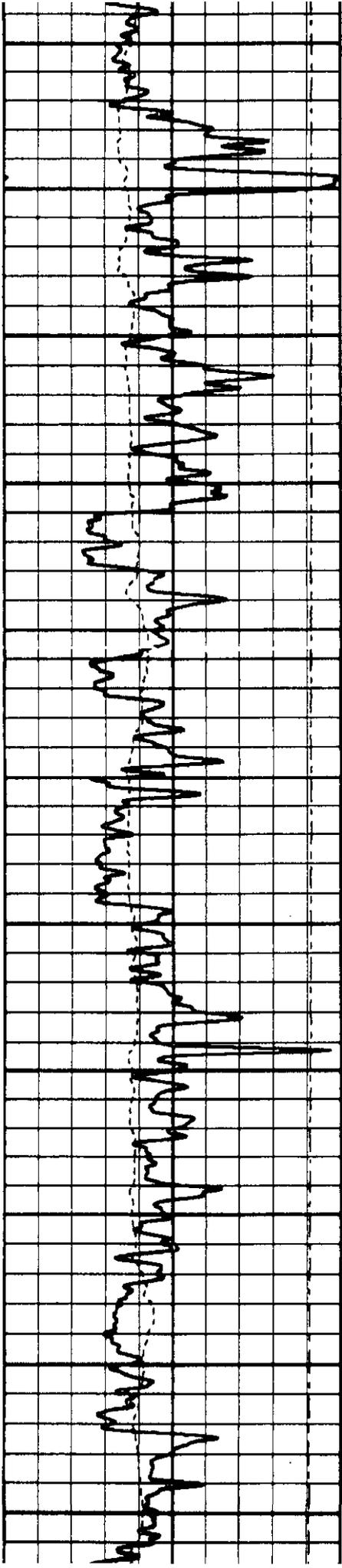
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4000

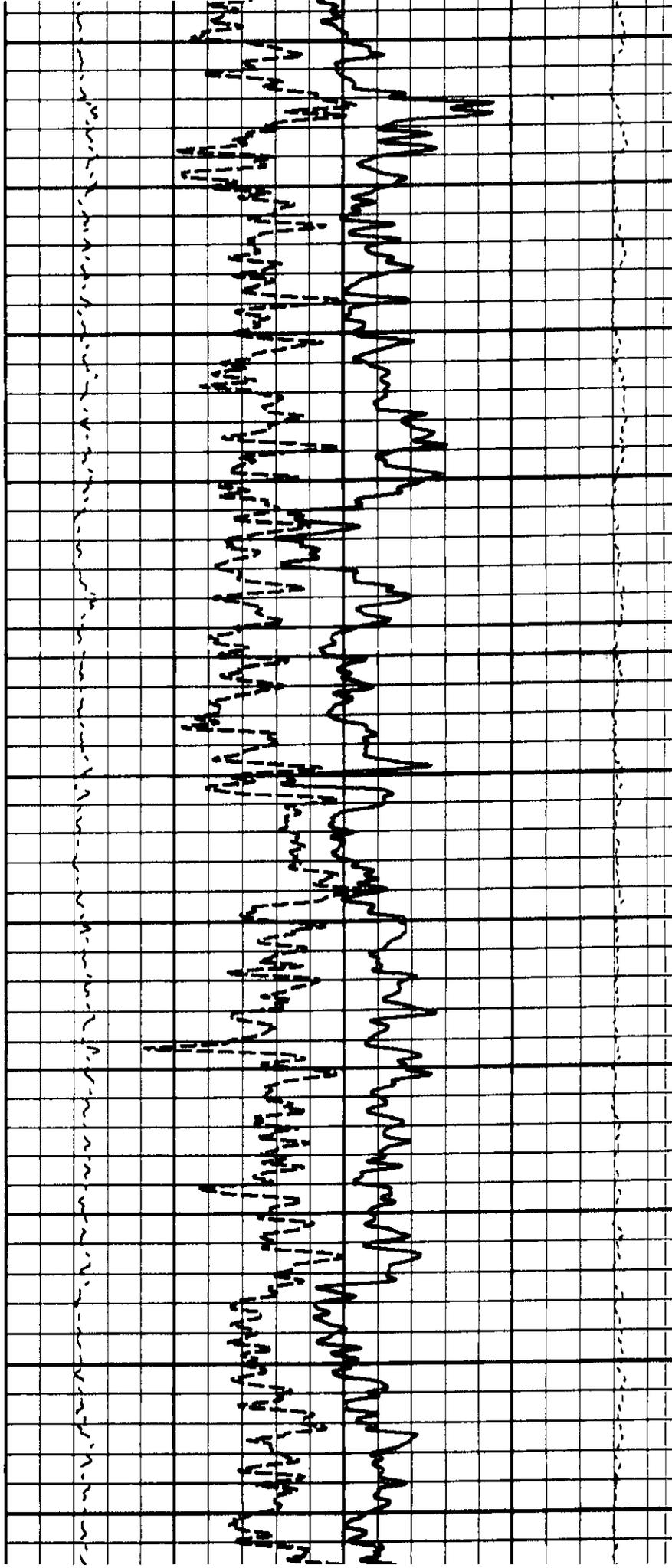
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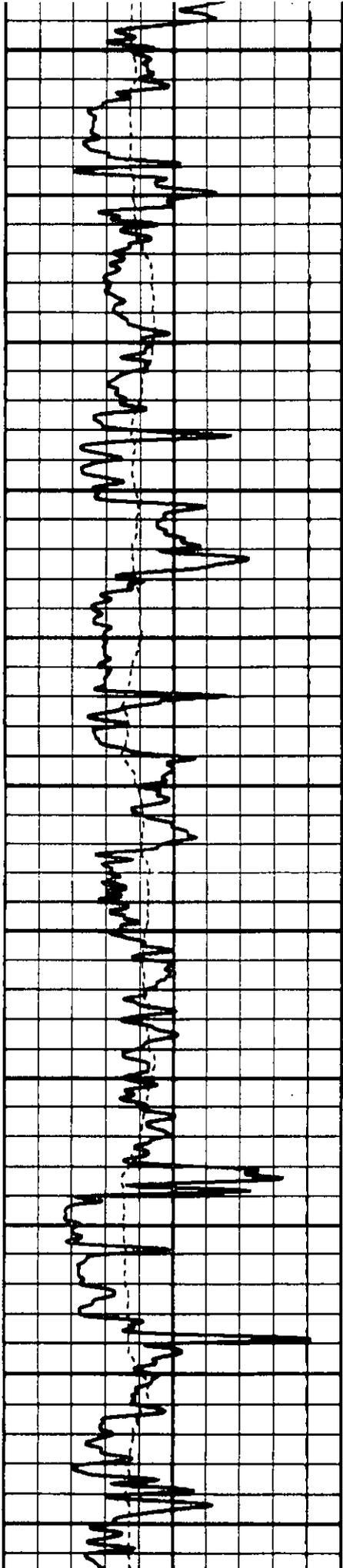
*Brushy
Congl*





4200
4300
4400
4500
4600
4700





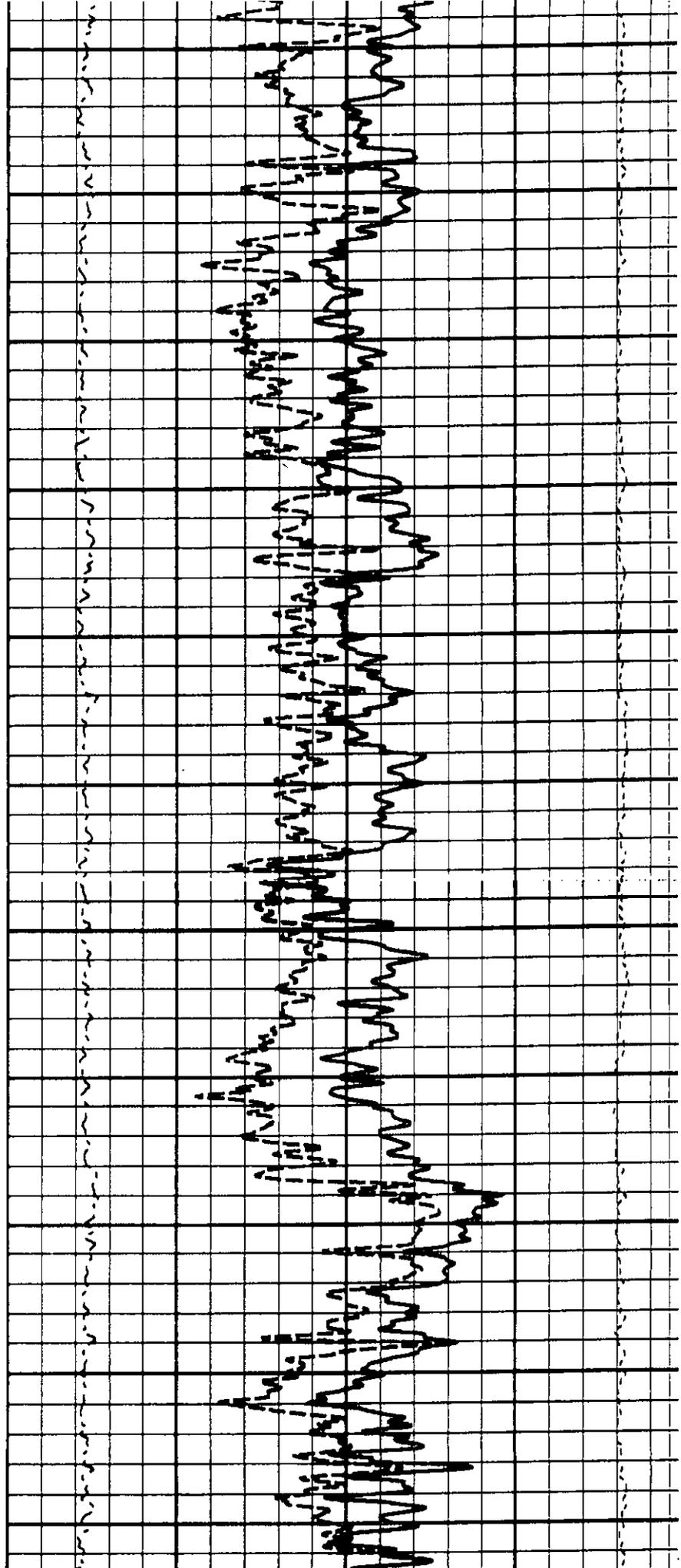
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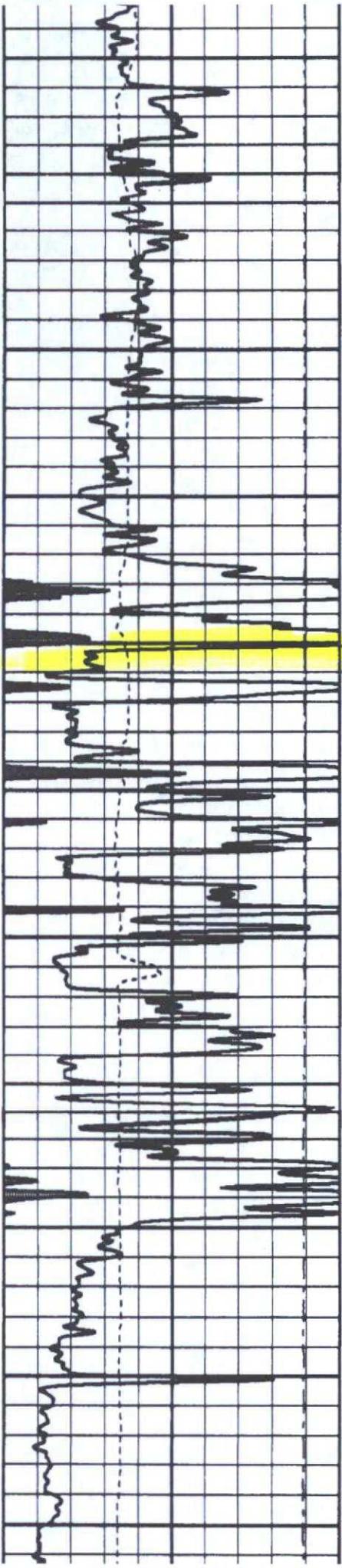
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5200





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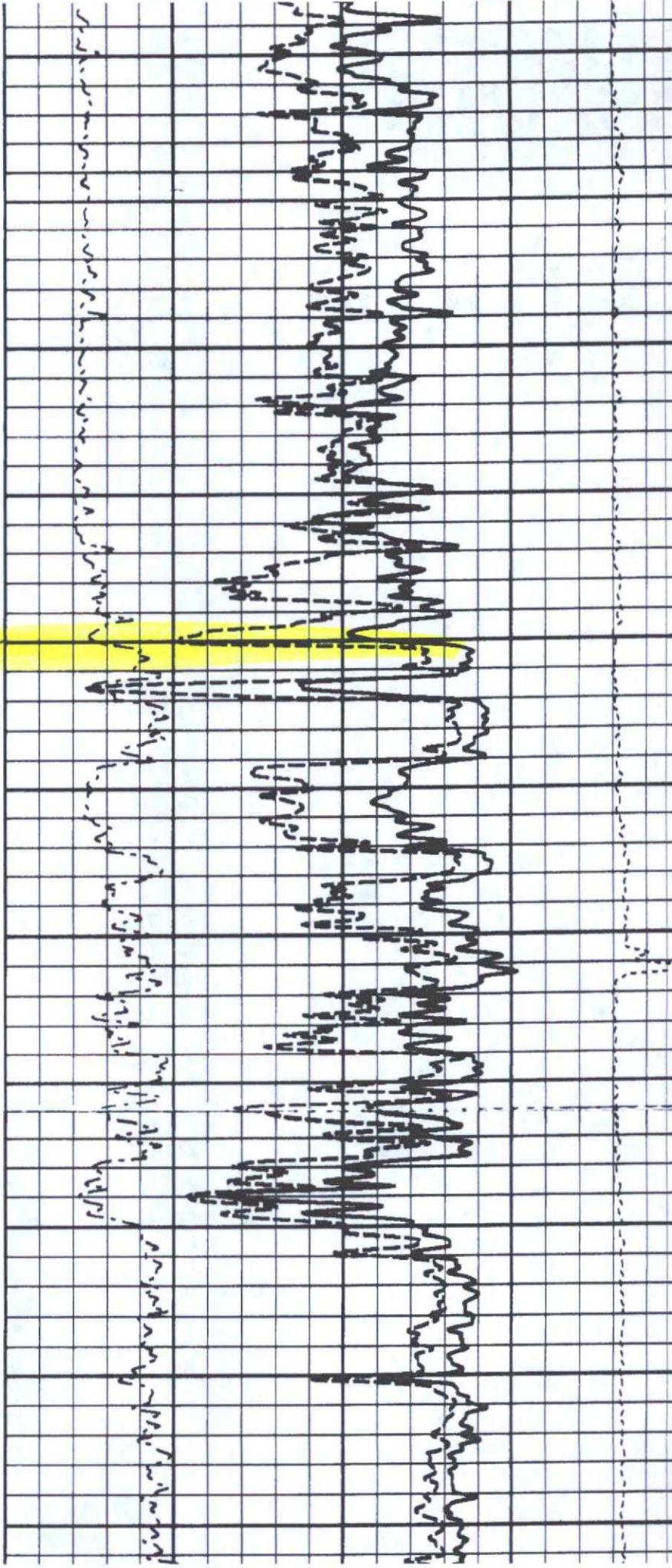
5500

5600

5700

5800

Boxe Spring





New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

(acre ft per annum)

WR File Nbr	Sub		Diversion	Owner	County	POD Number	Code	Grant	q q q				X	Y					
	basin	Use							Source	6416	4	Sec			Tws	Rng			
<u>C 00342</u>	C	CLS	0	UNION OIL CO. OF CALIFORNIA	ED	<u>C 00342</u>		C											
<u>C 00347</u>	CUB	EXP	0	BRANTLEY GEORGE	ED	<u>C 00347</u>			Shallow	1	1	13	24S	27E	580010	3565479*			
<u>C 00364</u>	C	CLS	0	A.J. CRAWFORD	ED	<u>C 00364</u>		C							575997	3567043*			
<u>C 00516</u>	C	IRR	72.4	BARBARA DAVIS	ED	<u>C 00516</u>			Shallow	1	3	4	08	24S	27E	574288	3565901*		
					ED	<u>C 00516 POD3</u>				1	3	4	08	24S	27E	574288	3565901*		
					ED	<u>C 00516 POD5</u>				1	3	4	08	24S	27E	574286	3565921		
					ED	<u>C 00516 POD6</u>			Shallow	1	4	3	08	24S	27E	573885	3565895*		
					ED	<u>C 00516 S</u>			Shallow	1	3	4	08	24S	27E	574288	3565901		
<u>C 00631</u>	C	SAN	3	GIRL SCOUTS OF AMERICA	ED	<u>C 00631</u>			Shallow	3	3	4	08	24S	27E	574288	3565701*		
<u>C 00683</u>	C	DOM	3	HARLEY DAVIS	ED	<u>C 00683</u>			Shallow	4	3	08	24S	27E	573986	3565796*			
<u>C 00821</u>	C	PRO	0	UNION OIL CO. OF CALIFORNIA	ED	<u>C 00821</u>			Shallow	3	2	09	24S	27E	575996	3566635*			
<u>C 00850</u>	C	PRO	0	UNION OIL CO. OF CALIFORNIA	ED	<u>C 00850</u>			Shallow	2	3	09	24S	27E	575595	3566223*			
<u>C 00929</u>	C	DOM	3	J F FOREHAND	ED	<u>C 00929</u>			Shallow	3	3	18	24S	27E	572013	3564159*			
<u>C 01169</u>	C	DOM	3	ALBERT E. WARREN	ED	<u>C 01169</u>			Shallow	1	4	3	18	24S	27E	572282	3564261*		
<u>C 01187</u>	C	DOM	3	CAMP LAVELLE ZIA GIRL SCOUT C.	ED	<u>C 01187</u>			Shallow	4	3	08	24S	27E	573986	3565796*			
<u>C 01366</u>		EXP	0	HARLEY DAVIS	ED	<u>C 01366</u>			Shallow	4	08	24S	27E	574590	3566003*				
<u>C 01452</u>	C	STK	3	WILLIAM DIESCHER	ED	<u>C 01452</u>			Shallow		22	24S	27E	577435	3563175*				
<u>C 01646</u>		IRR	0	GEORGE BRANTLEY	ED	<u>C 01646</u>					13	24S	27E	580641	3564866*				

*UTM location was derived from PLSS - see Help

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	q q q				X	Y			
								Source	6416	4	Sec			Tws	Rng	
					ED	<u>C 01646 X</u>			1	13	24S	27E	580221	3565275*		
					ED	<u>C 01646 X 2</u>			2	13	24S	27E	581045	3565286*		
					ED	<u>C 01646 X 3</u>			3	13	24S	27E	580239	3564464*		
					ED	<u>C 01646 X 4</u>			4	13	24S	27E	581057	3564476*		
<u>C 01721</u>	C	STK	0	WILLIAM DIESCHER	ED	<u>C 01721</u>			1	25	24S	27E	580271	3562033*		
<u>C 01836</u>		IRR	0	GEORGE BRANTLEY	ED	<u>C 01836</u>			1	1	13	24S	27E	580010	3565479*	
<u>C 01841</u>	C	STK	0	WILLIAM DIESCHER	ED	<u>C 01841</u>			1	29	24S	27E	573806	3561953*		
<u>C 01943</u>	C	STK	3	GARY THOMPSON	ED	<u>C 01943</u>			1	13	24S	27E	580221	3565275*		
<u>C 02937</u>	C	PRO	0	MEWBOURNE OIL COMPANY	ED	<u>C 02937</u>			3	4	3	12	24S	27E	580315	3565789*
<u>C 02941</u>	C	PRO	0	PATTERSON DRILLING	ED	<u>C 02941</u>			3	4	3	12	24S	27E	580315	3565789*
					ED	<u>C 02941 POD1</u>			3	4	3	12	24S	27E	580315	3565789*
<u>C 02942</u>	C	PRO	0	SAMSON	ED	<u>C 02942</u>			3	4	3	23	24S	27E	578748	3562516*
<u>C 02976</u>	C	STK	3	GEORGE BRANTLEY	ED	<u>C 02976</u>	Shallow		4	2	3	12	24S	27E	580519	3566195*
<u>C 03032</u>	C	DOL	3	GEORGE BRANTLEY	ED	<u>C 03032</u>			4	1	4	12	24S	27E	580931	3566200*
<u>C 03037</u>	C	DOL	3	GEORGE BRANTLEY	ED	<u>C 03037</u>	Shallow		4	3	4	12	24S	27E	580930	3565795*
<u>C 03055</u>	C	DOL	0	GEORGE BRANTLEY	ED	<u>C 03055</u>			2	3	4	12	24S	27E	580930	3565995*
* <u>C 03092</u>	C	DOM	3	JAMES S DAVIS	ED	<u>C 03092</u>	Shallow		4	3	1	08	24S	27E	573678	3566501*
<u>C 03145</u>	C	STK	3	GEORGE BRANTLEY	ED	<u>C 03145</u>	Shallow		3	1	4	13	24S	27E	580749	3564579*
<u>C 03147</u>	C	MUL	3	GEORGE BRANTLEY	ED	<u>C 03147</u>			3	3	3	12	24S	27E	579884	3565715
<u>C 03246</u>	C	PRO	0	MARBOB ENERGY CORP.	ED	<u>C 01986</u>			3	4	3	12	24S	27E	581302	3566124
<u>C 03253</u>	C	PRO	0	MEWBOURNE OIL	ED	<u>C 03032</u>			4	1	4	12	24S	27E	580931	3566200*
<u>C 03260</u>	C	STK	3	CLARAMAI R HAYHURST	ED	<u>C 03260 POD1</u>	Shallow		3	3	3	12	24S	27E	579994	3565935

*UTM location was derived from PLSS - see Help

C 3092 C-13-24S-26E

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	(acre ft per annum)				Source		X	Y					
									q	q	q	q	6416	4							
<u>C 03300</u>	C	PRO	0	YATES PETROLEUM	ED	<u>C 01986</u>							3	4	3	12	24S	27E	581302	3566124	
<u>C 03311</u>	C	PRO	0	MARBOB ENERGY	ED	<u>C 01986</u>							3	4	3	12	24S	27E	581302	3566124	
<u>C 03333</u>	C	PRO	0	OGX RESOURCES LLC	ED	<u>C 03147</u>							3	3	3	12	24S	27E	579884	3565715	
<u>C 03352</u>	C	PRO	0	NOVA MUD	ED	<u>C 03147</u>							3	3	3	12	24S	27E	579884	3565715	
<u>C 03353</u>	C	PRO	0	MARBOB ENERGY	ED	<u>C 01986</u>							3	4	3	12	24S	27E	581302	3566124	
<u>C 03354</u>	C	PRO	0	NOVA MUD	ED	<u>C 01986</u>							3	4	3	12	24S	27E	581302	3566124	
<u>C 03416</u>		EXP	0	JAMES S DAVIS	ED	<u>C 03416</u>	POD1						3	1	4	08	24S	27E	574271	3566180	
<u>C 03489</u>	C	EXP	0	JAMES S. DAVIS	ED	<u>C 03489</u>	POD1			Shallow			2	4	3	08	24S	27E	574153	3565939	
<u>C 03490</u>	C	EXP	0	JAMES DAVIS	ED	<u>C 03490</u>	POD1			Shallow			3	4	3	08	24S	27E	573811	3565709	
<u>C 03560</u>	C	DOM	1	DANIEL MAGBY	ED	<u>C 03560</u>	POD1			Shallow			2	3	3	18	24S	27E	572009	3564150	
<u>C 03707</u>	C	PRO	0	BARBARA DAVIS	ED	<u>C 00516</u>	POD9						3	4	3	08	24S	27E	573809	3565705	
<u>C 03708</u>	C	PRO	0	JIM DAVIS	ED	<u>C 00516</u>	S			Shallow			1	3	4	08	24S	27E	574288	3565901	
<u>C 03740</u>	C	DOL	0	GEORGE BRANTLEY	ED	<u>C 03740</u>	POD1						4	4	4	12	24S	27E	581283	3565795	
<u>C 03837</u>	C	PRO	0	DEVON ENERGY CO	ED	<u>C 03260</u>	POD1			Shallow			3	3	3	12	24S	27E	579994	3565935	
<u>C 03838</u>	C	PRO	0	DEVON ENERGY CO	ED	<u>C 03260</u>	POD1			Shallow			3	3	3	12	24S	27E	579994	3565935	
<u>C 03839</u>	C	PRO	0	DEVON ENERGY CO	ED	<u>C 03260</u>	POD1			Shallow			3	3	3	12	24S	27E	579994	3565935	
<u>C 03869</u>	C	STK	3	DRAPER BRANTLEY JR	ED	<u>C 03869</u>	POD1						1	3	4	12	24S	27E	580677	3566039	

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

Record Count: 57

POD Search:

POD Basin: Carlsbad

PLSS Search:

Township: 24S **Range:** 27E

Sorted by: File Number