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

May 24, 2017

New Mexico Oil Conservation Division
c/o Mr. Phillip Goetze
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Explanation of Permit Changes – GOMEZ SWD #1

To Whom It May Concern:

Pursuant to your request, Delaware Energy has moved the Gomez SWD #1 well location from Unit Letter N to Unit Letter O in Section 9 T24S R28E, Eddy County, New Mexico. We have also provided the following for your review.

- Affected persons map (Matador was added)
- New Survey is attached
- Green Cards for newly affected parties
- No additional changes have been made to the C-108 (SWD-1660).
- Supplemental Wellbore Diagram

Please let me know if you need any additional information or have any additional questions.

Sincerely,

Preston Stein

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

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance ___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: Mike McCurdy PHONE: 432-312-5251

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 re-injected 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: Mike McCurdy

TITLE: Engineer

SIGNATURE: _____ DATE: 06/16/2017

E-MAIL ADDRESS: mmccurdy@delawareenergyllc.com

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

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

Side 2

III. WELL DATA

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

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

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

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

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

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

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

(1) The name of the injection formation and, if applicable, the field or pool name.

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

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

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

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

XIV. PROOF OF NOTICE

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

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

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

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

Side 1

OPERATOR: Delaware Energy, LLC

WELL NAME & NUMBER: Gomez SWD No. 1

WELL LOCATION: 700' FSL, 1,550' FEL O 9 24S 28E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC ***WELL CONSTRUCTION DATA*** (see attached)

Surface Casing

Hole Size: 26"

Casing Size: 20"

Cemented with: 1,400 sx.

or _____ ft^3

Top of Cement: SURFACE

Method Determined: Circulated
Total Depth: 700'

1st Intermediate Casing

Hole Size: 17-1/2"

Casing Size: 13-3/8"

Cemented with: 2,000 sx.

or _____ ft^3

Top of Cement: SURFACE

Method Determined: Circulated
Total Depth: 2,500'

2nd Intermediate Casing

Hole Size: 12-1/4"

Casing Size: 9-5/8"

Cemented with: 2,700 sx.

or _____ ft^3

Top of Cement: Surface

Method Determined: Circulated
Total Depth: 9,500'

Production Casing*

Hole Size: 8.5"

Casing Size: 7"

Cemented with: 2,200 sx.

or _____ ft^3

Top of Cement: surface

Method Determined: Circulated

Total Depth: 13,650'

Injection Interval (Open Hole)

13,650' to 14,650'

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 4.5", 11.6#/ft, P-110, BTC Lining Material: Internally plastic coated

Type of Packer: Weatherford Arrow Set 1X Injection Packer (Nickel Plated)

Packer Setting Depth: 50-100ft above open hole

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

Additional Data

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

2. Name of the Injection Formation: Devonian

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

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

N/A.

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

BELOW: None

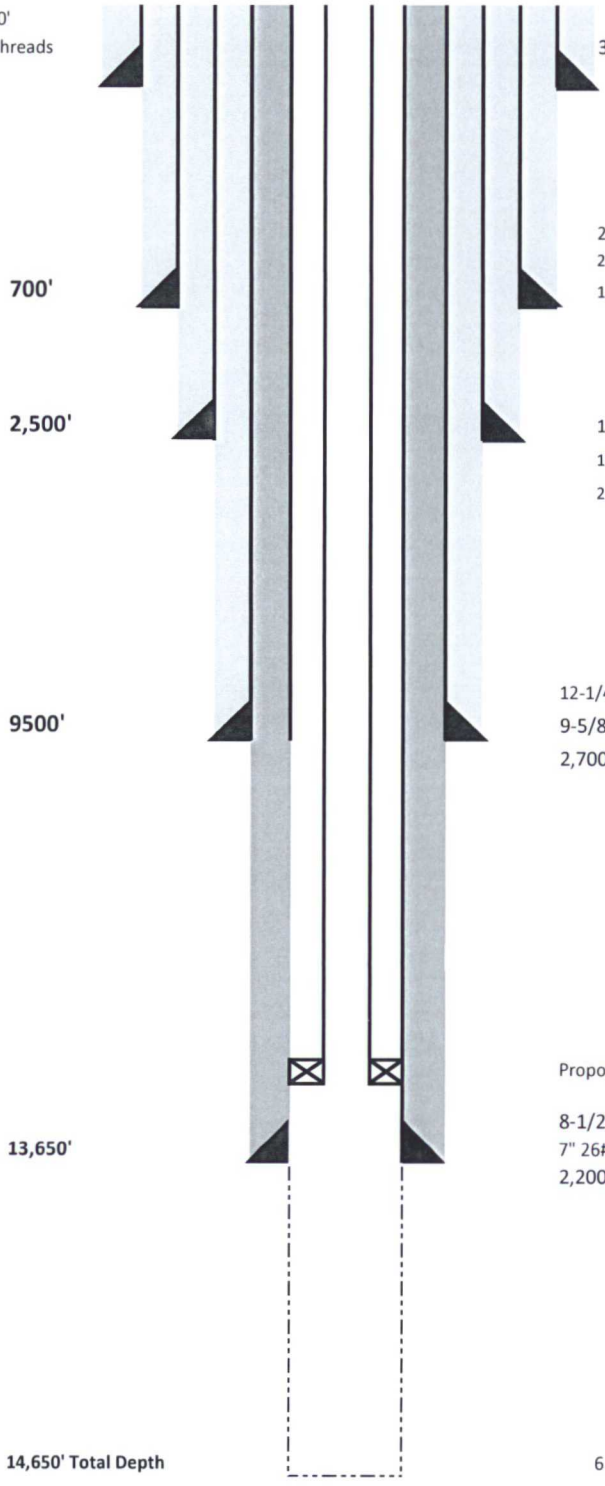
ABOVE: Delaware 2,568'-6,162', Bone Spring 6,162'-9,500', Wolfcamp 9,500'-11,032', Strawn 11,032'-11,274', Atoka 11,274'-11,930', Morrow 11,930'-13,225'

Gomez SWD No 1

700' FSL & 1,550' FEL, UL O, SEC. 9, T-24S R-28E, Eddy County, NM

API # 30-015-44262

4.5" IPC tubing to 13,600'
12.6#/ft L-80 premium threads



30" Conductor @ 80'

26" Hole
20", 106# J-55 STC @ 700'
1,400 sx cmt, will circulate

700'

2,500'

17-1/2" Hole
13-3/8", 61# J-55 STC @ 2,500'
2,000 sx cmt, will circulate

12-1/4" Hole
9-5/8" 47# L-80 BTC to 9,500 ft
2,700 sx plan to circulate

9500'

Proposed packer @ 13,600' Weatherford Arrow Set

8-1/2" Hole
7" 26# P-110 BTC to 13,650'
2,200sx plan to circulate

13,650'

14,650' Total Depth

6.125" Hole Open Hole

Additional Questions on C-108

VII.

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

Average 18,000-20,000 BWPD, Max 26,269 BWPD

2. Whether the system is open or closed;

Open System, Commercial SWD

3. Proposed average and maximum injection pressure;

Average 400-1,000 PSI, Max 2,730 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, Delaware, and Wolfcamp produced water. No known incompatibility exists with these produced water types and the Devonian. Devonian formation is used as a disposal interval in offset Townships for Wolfcamp, Bone Springs, and Delaware produced water. See attached water analysis from Bone Spring, Wolfcamp, and Delaware 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.).

Disposal interval is barren and does not produce. No Devonian receiving formation water samples in the surrounding area.

***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 Devonian formations 13,650'-15,000'. Devonian is an impermeable Shale at the very top (13,550', Woodford Shale) followed by permeable lime and dolomite. There are no fresh water zones underlying the proposed injection zone. Usable water depth is from surface to +/-300', the water source is older alluvium (Quaternary). All of the fresh water wells in the area have an average depth to water of 30' – 100' (Based on State Engineers Office).

IX. Describe the proposed stimulation program, if any.

20,000 gallons 15% HCL acid job with packer

X. Attach appropriate logging and test data on the well

Logs will be filed following drilling operations. See attached log of the Devonian interval from the nearby Cigarillo SWD No 1 (No offset Devonian logs are available).

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.

Attached are water samples from section 10, 15, and 16 of Township 24 South, Range 28 East.

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 Gomez SWD No 1 and have found no evidence of faults or other hydrologic connections between the Devonian disposal zone and the underground sources of drinking water. Furthermore, there exist many impermeable intervals between the injection interval and the fresh ground water in the 13,650' feet of lithology between the top of the Devonian and the base of the ground water.

Mike McCurdy **Engineer** **06/16/2017**

_____ **Title** _____ **Date** _____

III. WELL DATA

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

Gomez SWD No 1, Sec. 9-T24S-R28E, 700' FSL & 1,550' FEL, UL O, 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
20"	700'	1,400	26"	Surface	CIRC
13-3/8"	2,500'	2,000	17-1/2"	Surface	CIRC
9-5/8"	9,500'	2,700	12-1/4"	Surface	CIRC
7"	13,650'	2,200	8-1/2"	Surface	CIRC

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

4-1/2", 11.6#/ft, P-110, BTC, Internally Plastic Coated Tubing set 50 to 100ft above open hole

(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.

Devonian Formation

Pool Name: SWD (Devonian)

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

13,650' to 14,650' (OH)

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

Well is a planned new drill for SWD

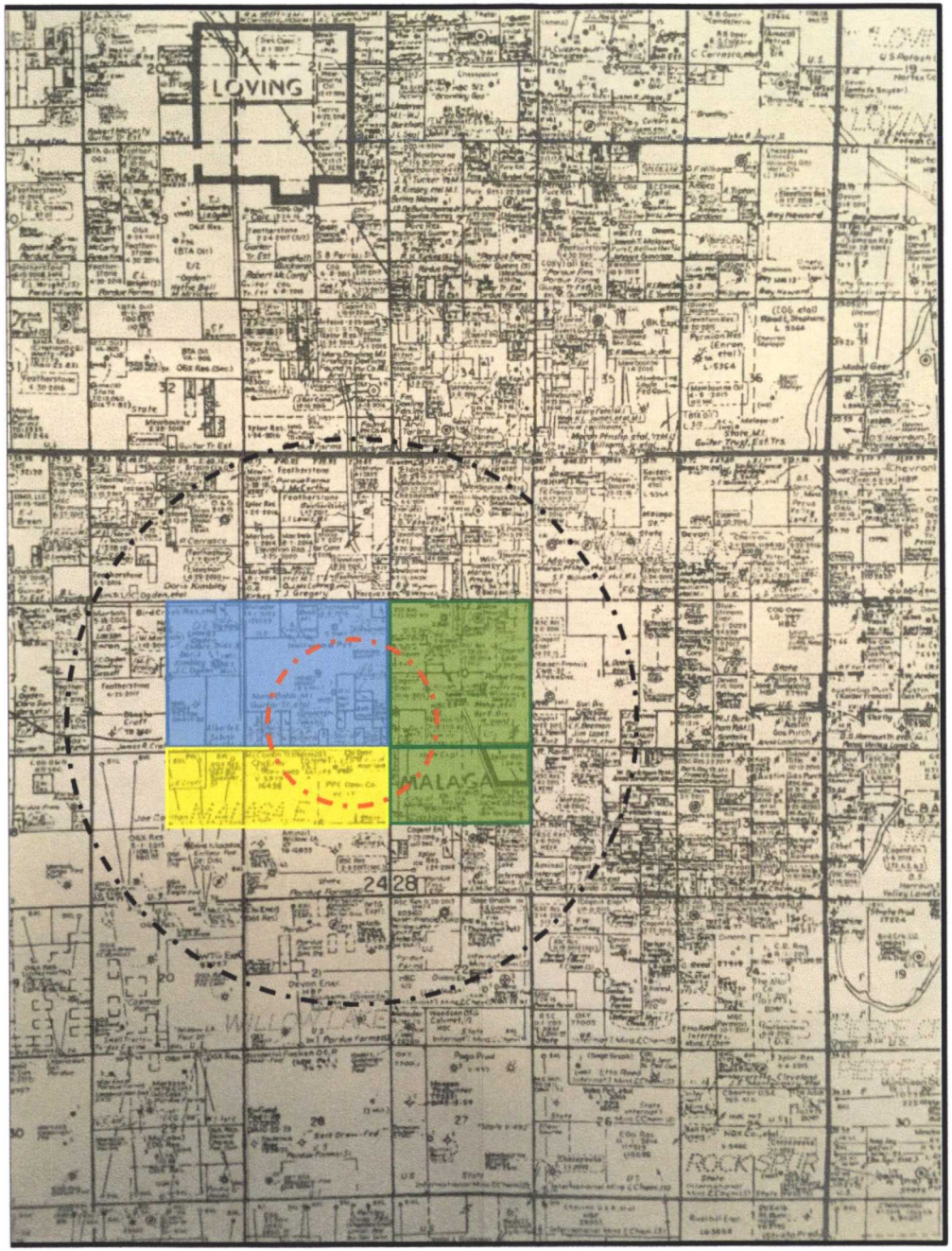
(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

None, well is a planned new drill

(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: Delaware 2,568'-6,162', Bone Spring 6,162'-9,500', Wolfcamp 9,500'-11,032', Strawn 11,032'-11,274', Atoka 11,274'-11,930', Morrow 11,930'-13,225'

Next Lower: None



0.5 Mile Radius

2 Mile Radius

Chevron

COG

Matador

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name

Property Code	Property Name	Well Number
	GOMEZ SWD	1

OGRID No.	Operator Name	Elevation
	DELAWARE ENERGY	3024'

Surface Location

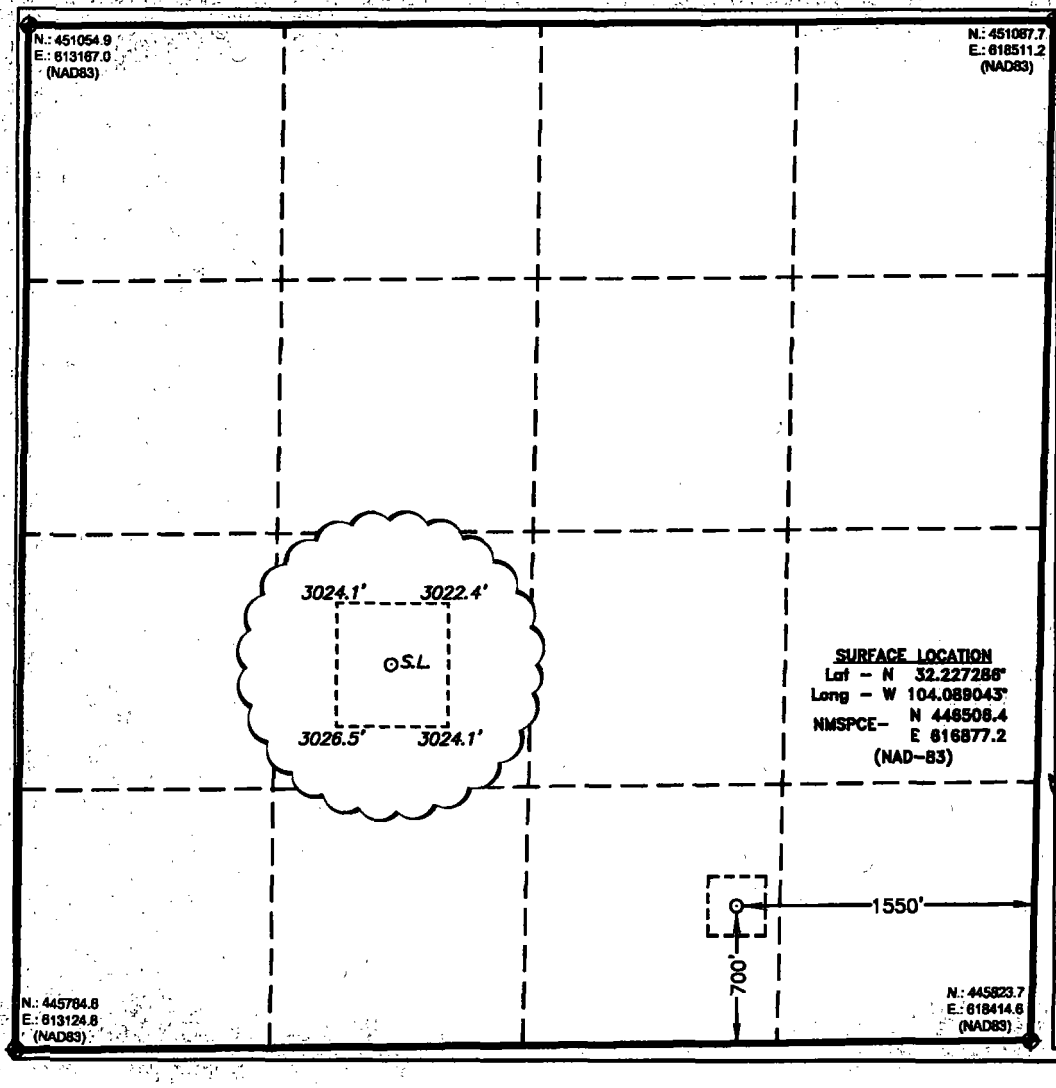
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	9	24 S	28 E		700	SOUTH	1550	EAST	EDDY

Bottom Hole Location If Different From Surface

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Preston Stein
Signature Date

Preston Stein
Printed Name

Preston@Delawareenergyllc.com
Email Address

SURVEYOR CERTIFICATION

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

MAY 1, 2017
Date Surveyed

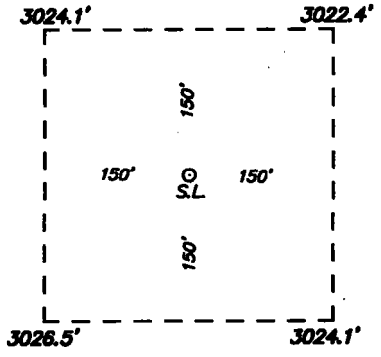
Signature & Seal of Professional Surveyor

NEW MEXICO
7977
REGISTERED PROFESSIONAL LAND SURVEYOR
GARY L. JONES

Certificate Number GARY L. JONES 7977

0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'
WO Num.: 32902

SECTION 9, TOWNSHIP 24 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



GOMEZ SWD #1
ELEV. - 3024'
Lat - N 32.227286°
Long - W 104.089043°
NMSPCE- N 446506.4
E 616877.2
(NAD-83)

LOVING, NM IS ±4 MILES TO THE NORTH OF LOCATION.

200 0 200 400 FEET
SCALE: 1" = 200'

Directions to Location:

FROM THE VILLAGE OF MALAGA, GO WEST ON COUNTY ROAD 396 (BLACK RIVER) 1.0 MILE TO SITE ON NORTH.

DELWARE ENERGY

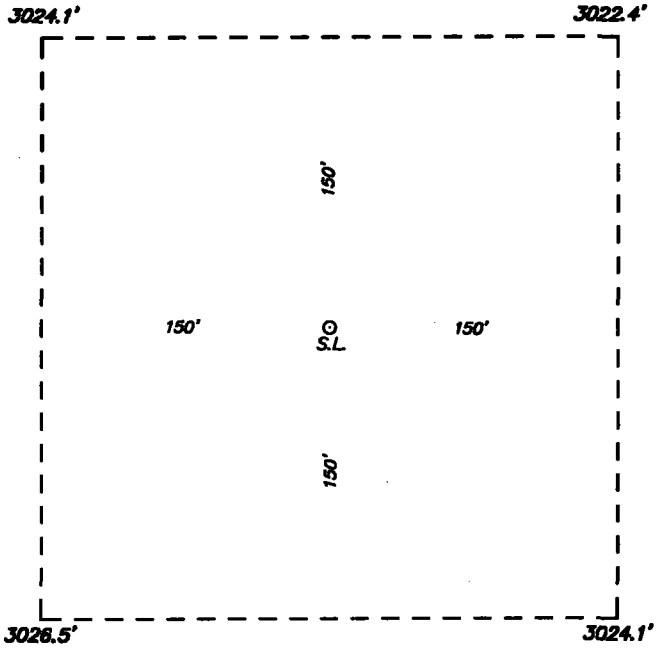
REF: GOMEZ SWD #1 / WELL PAD TOPO

THE GOMEZ SWD #1 LOCATED 700' FROM THE SOUTH LINE AND 1550' FROM THE EAST LINE OF SECTION 9, TOWNSHIP 24 SOUTH, RANGE 28 EAST. N.M.P.M., EDDY COUNTY, NEW MEXICO.

basin surveys
focused on excellence in the oilfield
P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com

W.O. Number: 32902	Drawn By: K. GOAD	Date: 05-03-2017	Survey Date: 05-01-2017	Sheet 1 of 1 Sheets

SECTION 9, TOWNSHIP 24 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



GOMEZ SWD #1
ELEV. - 3024'
Lat - N 32.227286°
Long - W 104.089043°
NMSPCE- N 446506.4
E 616877.2
(NAD-83)

100 0 100 200 FEET
SCALE: 1" = 100'

DELWARE ENERGY

REF: GOMEZ SWD #1 / WELL PAD TOPO

THE GOMEZ SWD #1 LOCATED 700' FROM THE SOUTH LINE AND 1550' FROM THE EAST LINE OF SECTION 9, TOWNSHIP 24 SOUTH, RANGE 28 EAST. N.M.P.M., EDDY COUNTY, NEW MEXICO.

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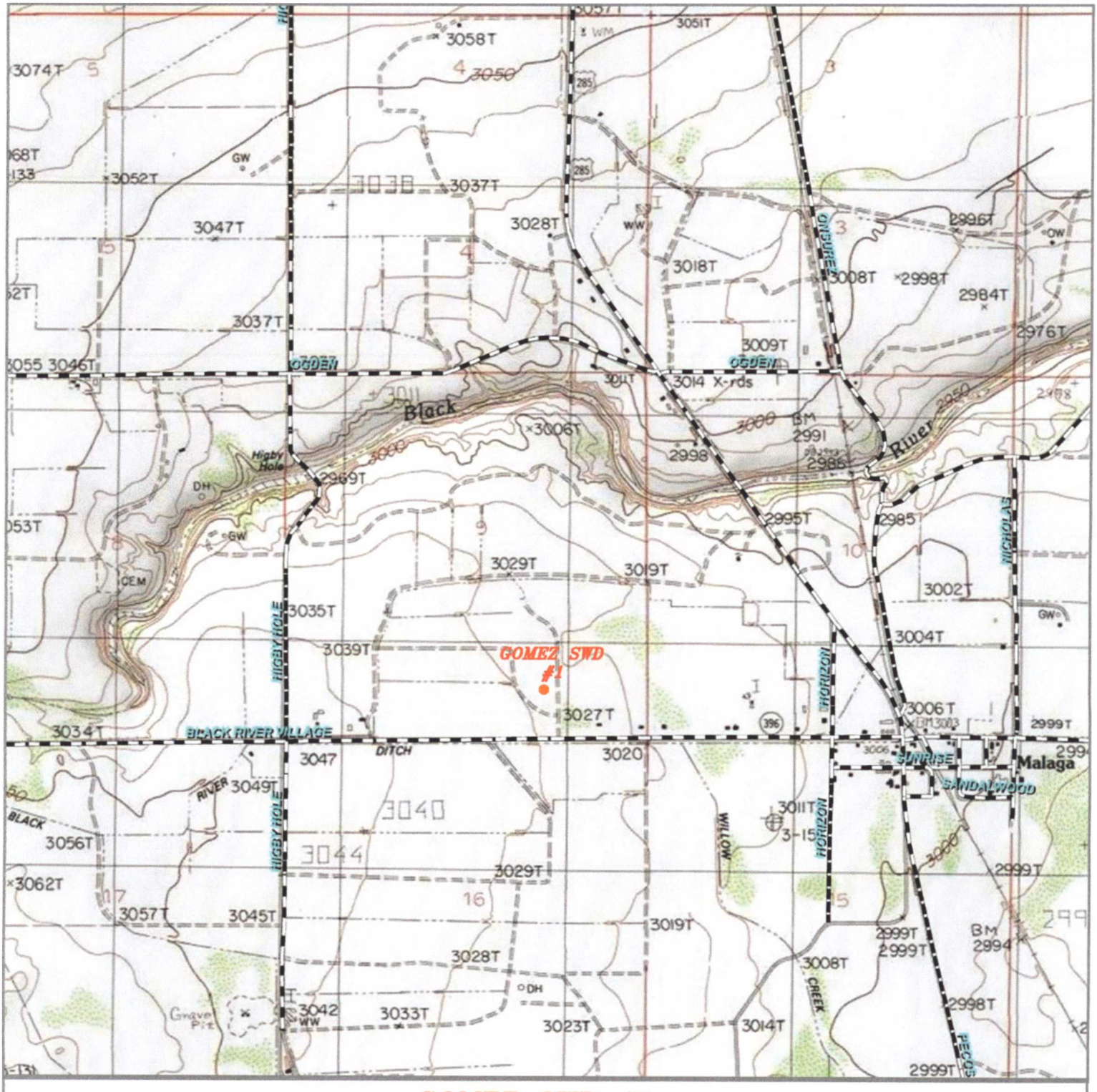

GOMEZ SWD #1

Located 700' FSL and 1550' FEL
Section 9, Township 24 South, Range 28 East,
N.M.P.M., Eddy County, New Mexico.

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P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 – Office
(575) 392-2206 – Fax
basinsurveys.com

0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'

W.O. Number: KJG 32902

Survey Date: 05-01-2017

YELLOW TINT – USA LAND
BLUE TINT – STATE LAND
NATURAL COLOR – FEE LAND

DELWARE ENERGY

GOMEZ SWD #1

Located 700' FSL and 1550' FEL
Section 9, Township 24 South, Range 28 East,
N.M.P.M., Eddy County, New Mexico.

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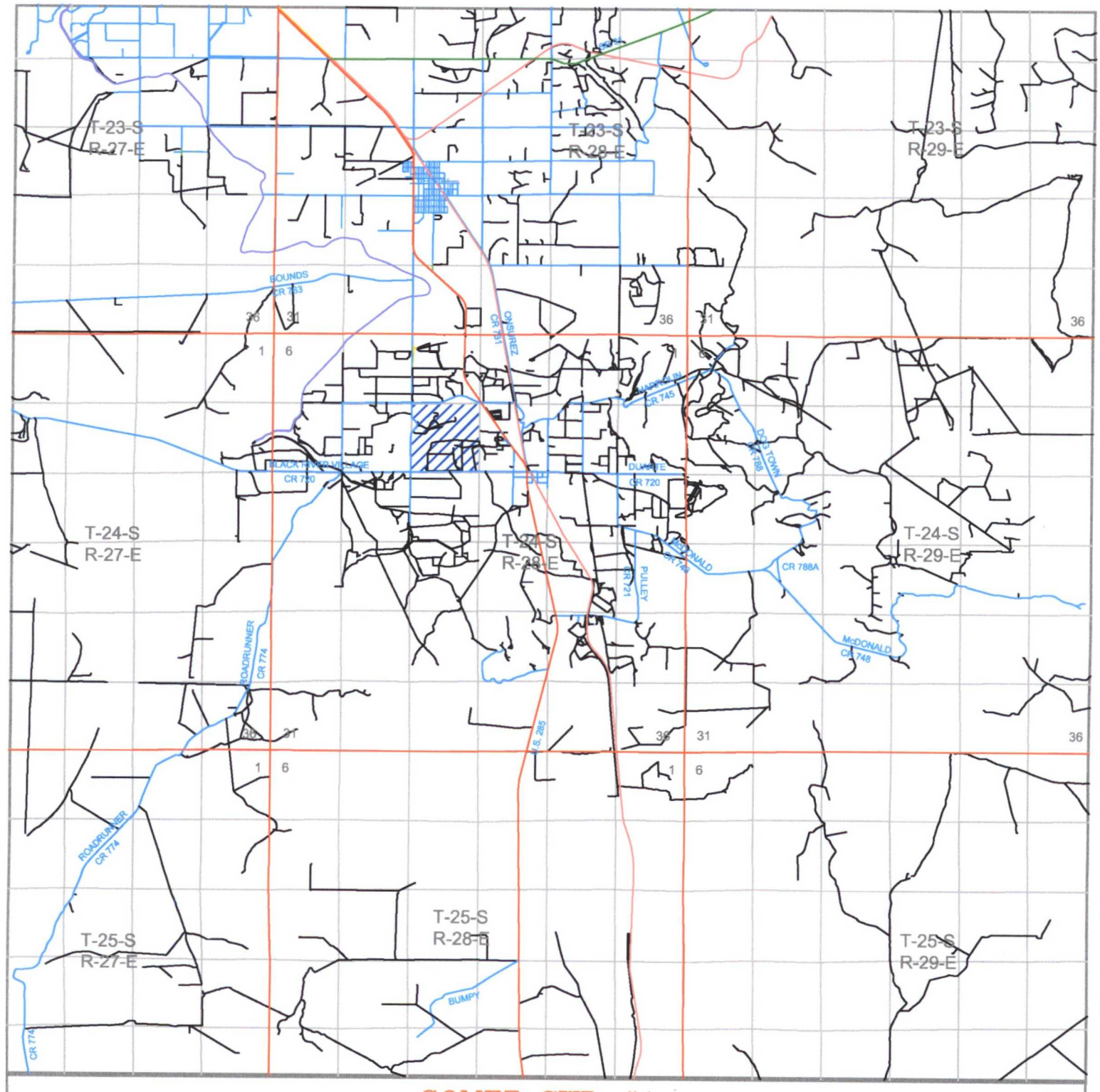
Survey Date: 05-01-2017

YELLOW TINT – USA LAND
BLUE TINT – STATE LAND
NATURAL COLOR – FEE LAND

N

DELWARE ENERGY



GOMEZ SWD #1

Located 700' FSL and 1550' FEL
Section 9, Township 24 South, Range 28 East,
N.M.P.M., Eddy County, New Mexico.

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basinsurveys.com

0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'

W.O. Number: KJG 32902

Survey Date: 05-01-2017

YELLOW TINT – USA LAND
BLUE TINT – STATE LAND
NATURAL COLOR – FEE LAND

N

DELWARE ENERGY

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

Danny Fletcher, being first duly sworn, on oath says:

That he 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:

October 27 2016

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

Subscribed and sworn to before me this 28 day of October, 2016

Cynthia Arredondo

My commission Expires 2/13/17

Notary Public

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

October 27, 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 proposed Gomez SWD No.1 (API - 30-015-XXXXX) as a Salt Water Disposal well.

The Gomez SWD No.1 will be located at 1,139' FSL and 1,479' FWL, Unit Letter N, Section 9, Township 24 South, Range 28 East, Eddy County, New Mexico. The well will dispose of water produced from oil and gas wells into the Devonian Formation from ~13,650' to 14,650' at a maximum rate of 17,500 barrels of water per day at a maximum pressure of 2,730 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.

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.

1. Article Addressed to:

Dick Calderon
P.O. Box 114
Malaga, NM 88263

9590 9402 2082 6132 4421 58

2. Article Number *(Transfer from service label)*
7016 1370 0000 6288 8687

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Dick Calderon ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

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

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 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.

1. Article Addressed to:

Matador Resources Co.
5400 Lyndon B. Johnson Fwy.,
Dallas, TX 75240

9590 9402 2082 6132 4421 65

2. Article Number *(Transfer from service label)*
7016 1370 0000 6288 8694

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Ed Wells | C. Date of Delivery 5/18

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

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

7016 1370 0000 6288 8694

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

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

DALLAS TX 75240

OFFICIAL USE

Certified Mail Fee	$3.35
Extra Services & Fees *(check box, add fee as appropriate)*	
☐ 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	$
Postage	$2.03
Total Postage and Fees	$8.13

0708 04
TEX GRAVES
Postmark Here
MAY 16 2017
05/16/2017

Sent To: Matador Resources Co
Street and Apt. No., or PO Box No.: 5400 Lyndon B. Johnson Fwy.
City, State, ZIP+4: Dallas, TX 75240 (Gomez)

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 1370 0000 6288 8687

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

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

MALAGA NM 88263

OFFICIAL USE

Certified Mail Fee	$3.35
Extra Services & Fees *(check box, add fee as appropriate)*	
☐ 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	$
Postage	$2.03
Total Postage and Fees	$8.13

0708 04
RECEIVED
MAY 16 2017
Postmark Here
05/16/2017

Sent To: Dick Calderon
Street and Apt. No., or PO Box No.: P.O. Box 114
City, State, ZIP+4: Malaga, NM 88263 (Gomez)

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Tony Delfin
Acting Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division

Administrative Order SWD-1660
November 22, 2016

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Pursuant to the provisions of Division Rule 19.15.26.8B. NMAC, Delaware Energy, LLC (the "operator") seeks an administrative order for its Gomez SWD Well No. 1 with a proposed location of 1139 feet from the South line and 1479 feet from the West line, Unit N of Section 9, Township 24 South, Range 28 East, NMPM, Eddy County, New Mexico, for the purpose of commercial disposal of produced water.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of Division Rule 19.15.26.8B. NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections have been received within the prescribed waiting period. The applicant has presented satisfactory evidence that all requirements prescribed in Rule 19.15.26.8 NMAC have been met and the operator is in compliance with Rule 19.15.5.9 NMAC.

IT IS THEREFORE ORDERED THAT:

The applicant, Delaware Energy, LLC (OGRID 371195), is hereby authorized to utilize its Gomez SWD Well No. 1 (API 30-015-pending) with a proposed location of 1139 feet from the South line and 1479 feet from the West line, Unit N of Section 9, Township 24 South, Range 28 East, NMPM, Eddy County, for disposal of oil field produced water (UIC Class II only) through an open hole interval consisting of the Devonian formation from 13650 feet to approximately 14650 feet. Injection will occur through internally-coated, 4-1/2-inch or smaller tubing and a packer set within 100 feet of the top of the open-hole interval.

This permit does not allow disposal into the Ellenburger formation (lower Ordovician) or lost circulation intervals directly on top and obviously connected to this formation. The operator shall provide logs and a mudlog over the proposed interval which verify that only the permitted interval is completed for disposal.

Prior to commencing disposal, the operator shall submit mudlog and geophysical logs information, to the Division's District geologist and Santa Fe Bureau Engineering office, showing evidence agreeable that only the permitted formation is open for disposal including a summary of

depths (picks) for contacts of the formations which the Division shall use to amend this order for a final description of the depth for the injection interval.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the disposed water enters only the approved disposal interval and is not permitted to escape to other formations or onto the surface. This includes the completion and construction of the well as proposed in the application and, if necessary, as modified by the District Supervisor.

The operator shall circulate the cement behind the surface and intermediate *casings to the surface.*

Further, the 9-5/8-inch casing shall be set in the Delaware Mountain group at approximately 2550 feet to ensure that casing is set through the salt. Further, the cement behind this casing shall be circulated to the surface.

The operator shall run a CBL (or equivalent) across the 7-inch casing from approximately 13650 feet to surface to demonstrate a good cement across the entire casing, good cement bond across the 9-5/8-inch casing, and good cement across the 13-3/8-inch casing.

The operator shall supply the Division with a copy of a mudlog over the permitted disposal interval and an estimated insitu water salinity based on open-hole logs. If significant hydrocarbon shows occur while drilling, the operator shall notify the Division's District II and the operator shall be required to receive written permission prior to commencing disposal.

Operator shall submit the results of the swab test which shall include formation water analysis and hydrocarbon potential of the injection interval to the Division's District geologist and Santa Fe Bureau Engineering office prior to commencing injection.

Within two years after commencing disposal, the operator shall conduct an injection survey, consisting of a temperature log or equivalent, over the entire injection interval using representative disposal rates. Copies of the survey results shall be provided to the Division's District I office and Santa Fe Engineering Bureau office.

After installing tubing, the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer. The casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

The well shall pass an initial mechanical integrity test ("MIT") prior to initially commencing disposal and prior to resuming disposal each time the disposal packer is unseated. All MIT procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC. The Division Director retains the right to require at any time wireline verification of completion and packer setting depths in this well.

The wellhead injection pressure on the well shall be limited to **no more than 2730 psi,** but may be modified by the Division Director following the completion of the initial Step-Rate Test. In addition, the disposal well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well. The operator shall install and maintain a chart recorder showing casing and tubing pressures during disposal operations.

The Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the disposed fluid from the target formations. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate Test.

The operator shall notify the supervisor of the Division's District II office of the date and time of the installation of disposal equipment and of any MIT so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of disposal to the Division's District II office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Division Rules 19.15.26.13 and 19.15.7.24 NMAC.

The injection authority granted under this order is not transferable except upon Division approval. The Division may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.

The Division may revoke this injection order after notice and hearing if the operator is in violation of Rule 19.15.5.9 NMAC.

The disposal authority granted herein shall terminate two (2) years after the effective date of this Order if the operator has not commenced injection operations into the subject well. One year after the last date of reported disposal into this well, the Division shall consider the well abandoned, and the authority to dispose will terminate *ipso facto*. The Division, upon written request mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

Compliance with this Order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

Jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the disposal authority granted herein.

DAVID R. CATANACH
Director

DRC/mam

cc: Oil Conservation Division – Artesia District Office
Administrative Application – pMAM1630053861

McMillan, Michael, EMNRD

From: Preston Stein <Preston@delawareenergyllc.com>
Sent: Friday, June 16, 2017 11:10 AM
To: McMillan, Michael, EMNRD
Subject: Fwd: Gomez SWD Well No. 1suspended application
Attachments: WBD Gomez SWD.xlsx; ATT00001.htm; C-108 Additional Questions Gomez SWD No 1.docx; ATT00002.htm; Gomez SWD No 1 C-108.pdf; ATT00003.htm

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

Begin forwarded message:

> **From:** "Mike McCurdy" <mmccurdy@delawareenergyllc.com>
> **To:** "McMillan, Michael, EMNRD" <Michael.McMillan@state.nm.us>
> **Cc:** "Goetze, Phillip, EMNRD" <Phillip.Goetze@state.nm.us>, "Podany, Raymond, EMNRD" <Raymond.Podany@state.nm.us>, "Sharp, Karen, EMNRD" <Karen.Sharp@state.nm.us>, "Inge, Richard, EMNRD" <richard.inge@state.nm.us>, "Jones, William V, EMNRD" <WilliamV.Jones@state.nm.us>, "Preston Stein" <Preston@delawareenergyllc.com>
> **Subject: Re: Gomez SWD Well No. 1suspended application**
>
> Michael,
>
> The request for an increased injection interval was an oversite and we acknowledge that. We plan to move forward with the previously approved injection interval from 13,650' to 14,650' (Corrected C-108, C-108 Additional Questions and WBD Attached).
>
> The reason for the surface hole change was simply an accessibility issue. Moving the surface hole off Black River Village Road from where it was, will be much more efficient and minimize any disruptions to land owners.

location change
- Tom changed tubing size

McMillan, Michael, EMNRD

From:	McMillan, Michael, EMNRD
Sent:	Wednesday, May 31, 2017 10:01 AM
To:	'Preston Stein'
Cc:	Jones, William V, EMNRD; Goetze, Phillip, EMNRD; Inge, Richard, EMNRD; Podany, Raymond, EMNRD
Subject:	RE: Gomez SWD Well No. 1suspended application

Preston:
In your revised application you requested a 5-1/2-inch tubing inside a 7-inch casing.
The drift on the 7-inch 26 pound tubing is 6.151-inches.
The OCD is concerned that you will not be able to get an overshot if you have to fish a stuck tubing.
There is a hearing for increased tubing size in the 7-inch tubing. Until that case is either approved or dismissed by the Director, only the 4-1/2-inch tubing maybe approved administratively.
Therefore, at the present time, Delaware Energy is expected to provide a wellbore schematic, and wellbore construction data that matches your approved administrative application.

For reference, the approved administrative application is SWD-1660

Thank You

From: Preston Stein [mailto:Preston@delawareenergyllc.com]
Sent: Monday, November 21, 2016 2:52 PM
To: McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>
Subject: Re: Gomez SWD Well No. 1suspended application

That's not a problem. Thanks Mike.

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

On Nov 21, 2016, at 3:51 PM, McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us> wrote:

> No-Because it is a minor change-OCD wants ensure casing integrity
> Mike

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00346		C	ED		2	2	15	24S	28E	587715	3565591*	90	32	58
C 00361	C	C	ED		3	3	08	24S	28E	583283	3565926*	2575		
C 00365			ED	2	4	1	17	24S	28E	583791	3565226*	238	26	212
C 00406		C	ED		1	1	08	24S	28E	583270	3567142*	78	50	28
C 00488		C	ED	2	1	2	15	24S	28E	587412	3565688*	64	8	56
C 00513 S		C	ED	1	3	3	16	24S	28E	584802	3564432	161	42	119
C 00570		C	ED		1	1	10	24S	28E	586490	3567195*	100	28	72
C 00573			ED	2	2	4	04	24S	28E	586188	3568087*	250	35	215
C 00648		C	ED	2	2	2	17	24S	28E	584593	3565644*	96	58	38
C 00709		C	ED	3	3	3	16	24S	28E	584802	3564232*			
C 00764			ED	3	1	3	10	24S	28E	586399	3566292*	118	25	93
C 00890			ED	3	3	4	10	24S	28E	587211	3565897*	50		
C 00962		C	ED		3	3	10	24S	28E	586505	3565992*	63	9	54
C 01237		C	ED	1	1	2	10	24S	28E	587197	3567298*	123		
C 01442		C	ED		1	2	10	24S	28E	587298	3567199*	100		
C 01731		C	ED		4	2	05	24S	28E	584483	3568367*	80	30	50
C 02306		C	ED		3	2	04	24S	28E	585690	3568382*	75	25	50
C 02524 POD2		C	ED	2	2	2	15	24S	28E	587814	3565690*	90	11	79
C 02836		C	ED	2	2	2	16	24S	28E	586203	3565676*		15	
C 03132		C	ED	1	2	4	15	24S	28E	587616	3564877*	90	19	71
C 03604 POD1		CUB	ED	2	4	3	10	24S	28E	526534	3565712	38	24	14
C 03703 POD1		C	ED	1	2	1	09	24S	28E	585259	3567225	74	15	59
C 03824 POD1		CUB	ED	4	1	2	16	24S	28E	585770	3565578	290	60	230

Average Depth to Water: **28 feet**

Minimum Depth: **8 feet**

Maximum Depth: **60 feet**

Record Count: 23

PLSS Search:

Section(s): 3-5, 8-10, 15-17 **Township:** 24S **Range:** 28E

***UTM location was derived from PLSS - see Help**

Sec 22, T25S, R28E

North Permian Basin Region
P.O. Box 740
Sundown, TX 79372-0740
(806) 229-8121
Lab Team Leader - Sheila Hernandez
(432) 495-7240

Bone Spring

Water Analysis Report by Baker Petrolite

Company:		Sales RDT:	33514.1
Region:	PERMIAN BASIN	Account Manager:	TONY HERNANDEZ (575) 910-7135
Area:	ARTESIA, NM	Sample #:	534665
Lease/Platform:	PINOCHLE 'BPN' STATE COM	Analysis ID #:	106795
Entity (or well #):	2 H	Analysis Cost:	$90.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary	
Sampling Date:	03/10/11
Analysis Date:	03/18/11
Analyst:	SANDRA GOMEZ
TDS (mg/l or g/m3):	184911.1
Density (g/cm3, tonne/m3):	1.113
Anion/Cation Ratio:	1
Carbon Dioxide:	0 50 PPM
Oxygen:	
Comments:	

Analysis of Sample 534665 @ 75 °F

Anions	mg/l	meq/l	Cations	mg/l	meq/l
Chloride:	109618.0	3091.92	Sodium:	70275.7	3056.82
Bicarbonate:	2135.0	34.99	Magnesium:	195.0	16.04
Carbonate:	0.0	0.	Calcium:	844.0	42.12
Sulfate:	747.0	15.55	Strontium:	220.0	5.02
Phosphate:			Barium:	0.8	0.01
Borate:			Iron:	6.5	0.23
Silicate:			Potassium:	869.0	22.22
			Aluminum:		
Hydrogen Sulfide:		0 PPM	Chromium:		
pH at time of sampling:		7	Copper:		
pH at time of analysis:			Lead:		
pH used in Calculation:		7	Manganese:	0.100	0.
			Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite $CaCO_3$		Gypsum $CaSO_4 \cdot 2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		CO_2 Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	1.08	188.62	-1.20	0.00	-1.18	0.00	-0.11	0.00	0.56	0.29	1.72
100	0	1.10	208.05	-1.29	0.00	-1.20	0.00	-0.15	0.00	0.35	0.29	2.35
120	0	1.12	224.17	-1.38	0.00	-1.19	0.00	-0.17	0.00	0.16	0.00	3.17
140	0	1.13	243.17	-1.42	0.00	-1.18	0.00	-0.18	0.00	0.00	0.00	4.21

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

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

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

Wolfcamp

BAKER HUGHES

Water Analysis

Date: 23-Aug-11

2708 West County Road, Hobbs NM 88240
Phone (575) 392-5556 Fax (575) 392-7307

Analyzed For Brushy Draw L #1

Company	Well Name	County	State
BD		~~Lea~~ Eddy	New Mexico

1-26S-29E

Sample Source Swab Sample **Sample #** 1

Formation **Depth**

Specific Gravity	1.170	SG @ 60 °F	1.172
pH	6.30	Sulfides	Absent
Temperature (°F)	70	Reducing Agents	

Cations

Sodium (Calc)	in Mg/L	77,962	in PPM	66,520
Calcium	in Mg/L	4,000	in PPM	3,413
Magnesium	in Mg/L	1,200	in PPM	1,024
Soluable Iron (FE2)	in Mg/L	10.0	in PPM	9

Anions

Chlorides	in Mg/L	130,000	in PPM	110,922
Sulfates	in Mg/L	250	in PPM	213
Bicarbonates	in Mg/L	127	in PPM	108
Total Hardness (as CaCO3)	in Mg/L	15,000	in PPM	12,799
Total Dissolved Solids (Calc)	in Mg/L	213,549	in PPM	182,209
Equivalent NaCl Concentration	in Mg/L	182,868	in PPM	156,031

Scaling Tendencies

*Calcium Carbonate Index 507,520

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

*Calcium Sulfate (Gyp) Index 1,000,000

Below 500,000 Remote / 500,000 - 10,000,00 Possible / Above 10,000,000 Probable

*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks RW=.048@70F

Report # 3188

Sec 16, T23S R28E

MCI
CHEMICALS and CONSULTING

PRODUCTION DEPARTMENT

MILLER CHEMICALS, INC.
Post Office Box 298
Artesia, N.M. 88211-0298
(505) 746-1919 Artesia Office
(505) 392-2893 Hobbs Office
(505) 746-1918 Fax
mci@plateautel.net

Delaware Brushy Canyon

WATER ANALYSIS REPORT

Company :
Address :
Lease : LOVING "AIB"
Well : #15
Sample Pt. : WELLHEAD

Date : MARCH 17, 2008
Date Sampled : MARCH 17, 2008
Analysis No. :

	ANALYSIS		mg/L		* meq/L
1.	pH	6.0			
2.	H2S	0			
3.	Specific Gravity	1.070			
4.	Total Dissolved Solids		304684.9		
5.	Suspended Solids		NR		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		NR		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)				
11.	Bicarbonate	HCO3	927.0	HCO3	15.2
12.	Chloride	Cl	187440.0	Cl	5287.4
13.	Sulfate	SO4	500.0	SO4	10.4
14.	Calcium	Ca	37200.0	Ca	1856.3
15.	Magnesium	Mg	996.3	Mg	82.0
16.	Sodium (calculated)	Na	77586.6	Na	3374.8
17.	Iron	Fe	35.0		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		97000.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

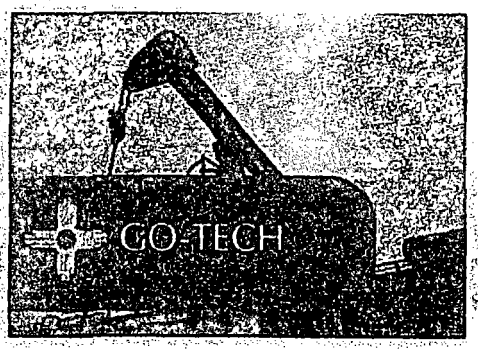
1856	*Ca <----- *HCO3	15
	/------->	
82	*Mg -----> *SO4	10
	<---------/	
3375	*Na -----> *Cl	5287

Saturation Values Dist. Water 20 C

CaCO3	13 mg/L
CaSO4 * 2H2O	2090 mg/L
BaSO4	2.4 mg/L

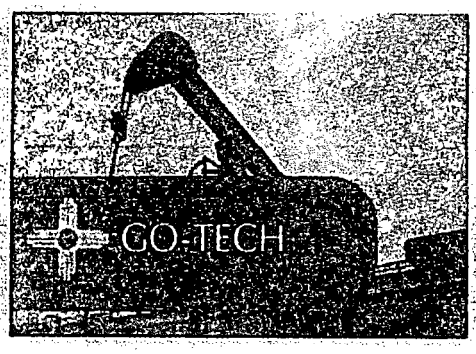
Compound	Equiv wt	X meq/L	= mg/L
Ca(HCO3)2	81.0	15.2	1231
CaSO4	68.1	10.4	709
CaCl2	55.5	1830.7	101584
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	82.0	3902
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	3374.8	197223

REMARKS:



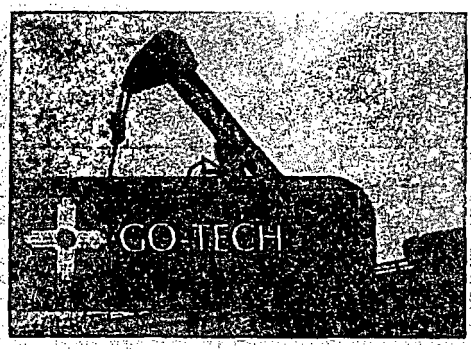
- NM WAIDS
  - Data
    - Produced Water
    - Ground Water
    - Conversion Tools
  - Scale
    - Scale details
    - Stiff
    - Oddo
    - Probable Mineral Composition
    - mix
  - Corrosion
    - Theory
      - Uniform

General Information About: Sample 7954			
Section/ Township/Range	15 / 24S / 28E	Lat/Long	32.2174/-104.075
Elevation	3002.9	Depth	
Date Collected	8/20/1997 12:00:00 AM	Chlorides	308
Collector / Point of Collection	SEO/YT	Use	Domestic
Formation	OAL	TDS	



- NM WAIDS
  - Data
    - Produced Water
    - Ground Water
    - Conversion Tools
  - Scale
    - Scale details
    - Stiff
    - Oddo
    - Probable Mineral Composition
    - mix
  - Corrosion
    - Theory
      - Uniform

General Information About: Sample 10516			
Section/ Township/Range	16 / 24S / 28E	Lat/Long	32.2174/-104.0921
Elevation	3041	Depth	161
Date Collected	5/28/1981 12:00:00 AM	Chlorides	1039
Collector / Point of Collection	SEO/DP	Use	Irrigation Water
Formation	OAL	TDS	0



- NM WAIDS
  - Data
    - Produced Water
    - Ground Water
    - Conversion Tools
  - Scale
    - Scale details
    - Stiff
    - Oddo
    - Probable Mineral Composition
    - mix
  - Corrosion
    - Theory
      - Uniform

General Information About: Sample 8183			
Section/ Township/Range	10 / 24S / 28E	Lat/Long	32.2319/-104.075
Elevation	3011	Depth	50
Date Collected	3/26/1992 12:00:00 AM	Chlorides	1480
Collector / Point of Collection	SEO/SBBLR	Use	Stock
Formation	OAL	TDS	0

C-108 Review Checklist: Received 10/24/2016 Add. Request: 10/26 11/4/2016 Reply Date: 11/4/2016 Suspended: 10/26/16 [Ver 15]

ORDER TYPE: WFX / PMX / SWD Number: 660 Order Date: _____ Legacy Permits/Orders: _____

Well No. 1 Well Name(s): Gomez SWD #1

API: 30-0 15-Pending Spud Date: TBD New or Old: N (UIC Class II Primacy 03/07/1982)

Footages 1134 FSL 1474 FWL Lot ___ or Unit N Sec 9 Tsp 24S Rge 28E County Eddy

General Location: 7 mile SW Malaga Pool: Empire; Devonian Pool No.: 96101

BLM 100K Map: Carlsbad Operator: Delaware Energy, LLC OGRID: 371195 Contact: Prestonsterling.v.b

COMPLIANCE RULE 5.9: Total Wells: 0 Inactive: 0 Fincl Assur OK Compl. Order? N/A IS 5.9 OK? ___ Date: ___

WELL FILE REVIEWED ○ Current Status: Proposed

WELL DIAGRAMS: NEW: Proposed ● or RE-ENTER: Before Conv. ○ After Conv. ○ Logs in Imaging: N/A

Planned Rehab Work to Well: _____

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned or Existing Surface	17½ / 13 3/8	700'		700	Surface / Visual
Planned or Existing Interm/Prod	12¼ / 9 5/8	2400		1150	Surface / Visual
Planned or Existing Interm/Prod	8 3/4 / 7	13650		2200	Surface / Visual
Planned or Existing Prod/Liner					
Planned or Existing Liner					
Planned or Existing OH / PERF	13650-14650		Inj Length 1000'		

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		MS	13225
Confining Unit: Litho. Struc. Por.		DV	13650
Proposed Inj Interval TOP:			13650
Proposed Inj Interval BOTTOM:			14650
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:

Drilled TD 14650 PBTD ___

NEW TD ___ NEW PBTD ___

NEW Open Hole ● or NEW Perfs ○

Tubing Size 4½ in. Inter Coated? X

Proposed Packer Depth 13600 ft

Min. Packer Depth 13560 (100-ft limit)

Proposed Max. Surface Press. 2730 psi

Admin. Inj. Press. 2730 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P N/A Noticed? ___ BLM Sec Ord ○ WIPP ○ Noticed? ___ Salt/Salado T: 1230 B: 2440 NW: Cliff House fm ___ Wells of

FRESH WATER: Aquifer Alluvium Max Depth 250 HYDRO AFFIRM STATEMENT By Qualified Person ●

NMOSE Basin: Carlsbad CAPITAN REEF: thru ___ adj (NA) No. Wells within 1-Mile Radius? 3 FW Analysis ✓

Disposal Fluid: Formation Source(s) Wolfcamp, Bone Spring, Devonian Analysis? Y On Lease ○ Operator Only ○ or Commercial ●

Disposal Int: Inject Rate (Avg/Max BWPD) 10K / 40K Protectable Waters? ___ Source: ___ System: Closed or Open ●

HC Potential: Producing Interval? N/A Formerly Producing? ___ Method: Logs/DST/P&A/Other regional 2-Mile Radius Pool Map ○

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

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 10-27-2016 Mineral Owner ___ Surface Owner Nature Conservancy N. Date 10-20-2016

RULE 26.7(A): Identified Tracts? Y Affected Persons: Chevron, COG N. Date 10-27-16

Order Conditions: Issues: SEE Below

Add Order Cond: _____

✓ DE shall run the 9 5/8" casing thru salt, f

MAY 30 2024 June 16, 2024

C-108 Review Checklist: Received _____ Add. Request: _____ Reply Date: _____ Suspended: _____ [Ver 15]

ORDER TYPE: WFX / PMX / SWD Number: 1660A Order Date: _____ Legacy Permits/Orders: _____

Well No. 2 Well Name(s): Gomez SWD #1

API : 30-0 15-44262 Spud Date: TBD New or Old: N (UIC Class II Primacy 03/07/1982)

Footages 700 FSL 1650 FEL Lot ___ or Unit O Sec 9 Tsp 24S Rge 28E County Eddy

General Location: 2 miles SW/mALAKA Pool: SWD;Devonian Pool No.: 96101

BLM 100K Map: Carlsbad Operator: Delaware Energy, LLC OGRID: 371195 Contact: Preston Stein

COMPLIANCE RULE 5.9: Total Wells: 2 Inactive: 0 Fincl Assur: OK Compl. Order? N/A IS 5.9 OK? Y Date: 6-16-24

WELL FILE REVIEWED ✓ Current Status: Proposed

WELL DIAGRAMS: NEW: Proposed ✓ or **RE-ENTER:** Before Conv. ○ After Conv. ○ Logs in Imaging: _____

Planned Rehab Work to Well: _____

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned __or Existing __Surface	24/20	700		1400	Surface / Visual
Planned __or Existing __Interm/Prod	17½/13⅜	2500		2000	Surface / Visual
Planned __or Existing __Interm/Prod	12¼/9⅝	9500		2700	Surface / Visual
Planned __or Existing __Prod/Liner	8½/7	13650		2200	Surface / Visual
Planned __or Existing __Liner					
Planned __or Existing OH / PERF	13650/14650		Inj Length 1000		

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		MS	13225
Confining Unit: Litho. Struc. Por.		DV	13650
Proposed Inj Interval TOP:			
Proposed Inj Interval BOTTOM:			
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:

Drilled TD 14650 PBTD _____

NEW TD _____ NEW PBTD _____

NEW Open Hole ○ or NEW Perfs ○

Tubing Size 4½ in. Inter Coated? _____

Proposed Packer Depth 13600 ft

Min. Packer Depth 13550 (100-ft limit)

Proposed Max. Surface Press. 2730 psi

Admin. Inj. Press. 2730 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P N/A Noticed? ___ BLM Sec Ord ○ WIPP ○ Noticed? ___ Salt/Salado T: 900 B: 2400 **NW:** Cliff House fm ___

FRESH WATER: Aquifer ~~Alluv~~ Quaternary Max Depth 74' **HYDRO AFFIRM STATEMENT** By Qualified Person ✓

NMOSE Basin: Carlsbad **CAPITAN REEF:** thru adj NA **No. Wells within 1-Mile Radius?** 3 FW Analysis Y

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

Disposal Int: Inject Rate (Avg/Max BWPD): 24K / 26,416 Protectable Waters? N/A Source: _____ System: Closed or Open

HC Potential: Producing Interval? N/A Formerly Producing? _____ Method: Logs/DST/P&A/Other regional 2-Mile Radius Pool Map ✓

AOR Wells: 1/2-M Radius Map? N/A Well List? _____ Total No. Wells Penetrating Interval: _____ Horizontals? _____

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 10-27-24 Mineral Owner _____ Surface Owner Heefner Gomez N. Date _____

RULE 26.7(A): Identified Tracts? _____ Affected Persons: ① Chevron, COG ② MAtador ③ Dirk Chidsey N. Date ① 10-27-24 ② 9-11

Order Conditions: Issues: Changed due to Surface accessibility