

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 1690
 - NGL water solutions
 Permian, LLC
 372338
 well
 - Strike on 3
 SWD #1
 30-015-Pending*

- [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

*Pod
 - SWD, Devonian -
 Silurian
 97869*

[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.

Chris Weyand
 Print or Type Name

Chris Weyand
 Signature

Consulting Engineer
 Title

8/2/2017
 Date

chris@lonquist.com
 e-mail Address

LONQUIST & CO. LLC

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

RECEIVED OCD

August 2, 2017

2017 AUG -7 P 2:33

New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division District IV
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
(505) 476-3440

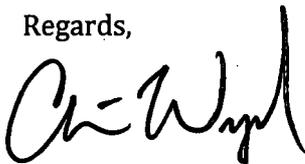
RE: STRIKER 3 SWD NO. 1 AUTHORIZATION TO INJECT

To Whom It May Concern:

Attached for your review is Form C-108, Application for Authorization to Inject, and its supplemental documents prepared for NGL Water Solutions Permian, LLC's Striker 3 SWD No. 1. In addition, Forms C-101 and C-102 have also been included with this package. Notices have been sent to offset leaseholders and the surface owner. Proof of notice will be sent to the OCD upon receipt.

Any questions should be directed towards NGL Water Solutions Permian, LLC's agent Lonquist & Co., LLC.

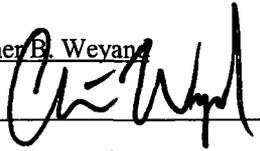
Regards,



Christopher B. Weyand
Staff Engineer
Lonquist & Co., LLC

(512) 600-1764
chris@lonquist.com

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance X Disposal _____ Storage
Application qualifies for administrative approval? X Yes _____ No
- II. OPERATOR: NGL WATER SOLUTIONS PERMIAN, LLC
ADDRESS: 1509 W WALL ST // STE 306 // MIDLAND, TX 79701
CONTACT PARTY: SARAH JORDAN PHONE: 432-685-0005 x1989
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes X No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Christopher B. Weyant TITLE: Consulting Engineer
SIGNATURE:  DATE: 8/2/2017
E-MAIL ADDRESS: chris@lonquist.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

INJECTION WELL DATA SHEET

OPERATOR: NGL WATER SOLUTIONS PERMIAN, LLC

WELL NAME & NUMBER: STRIKER 3 SWD #1

WELL LOCATION: 472' FSL & 897' FEL P 33 23S 28E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 26.000"

Casing Size: 20.000"

Cemented with: 820 sx.

or _____ ft³

Top of Cement: surface

Method Determined: circulation

1st Intermediate Casing

Hole Size: 17.500"

Casing Size: 13.375"

Cemented with: 1490 sx.

or _____ ft³

Top of Cement: surface

Method Determined: circulation

2nd Intermediate Casing

Hole Size: 12.250"

Casing Size: 9.625"

Cemented with: 1805 sx.

or _____ ft³

Top of Cement: surface

Method Determined: circulation

Production Liner

Hole Size: 8.500"

Casing Size: 7.625"

Cemented with: 595 sx.

or _____ ft³

Top of Cement: 9,200'

Method Determined: calculation

Total Depth: 15,200'

Injection Interval

13,900 feet to 15,200 feet

(Open Hole)

INJECTION WELL DATA SHEET

Tubing Size: 5.500", 17 lb/ft, L-80, BT&C from 0' - 9,200' and 4.500", 11.6 lb/ft, P-110 LTC from 9,200' - 13,850'

Lining Material: Duoline

Type of Packer: D&L Oil Tools 7.625" Permapack Packer – Single Bore

Packer Setting Depth: 13,850'

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

Additional Data

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

If no, for what purpose was the well originally drilled? N/A

2. Name of the Injection Formation: Devonian, Silurian, Fusselman and Montoya (Top 100')

3. Name of Field or Pool (if applicable): SWD; Silurian-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. No, new drill.

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

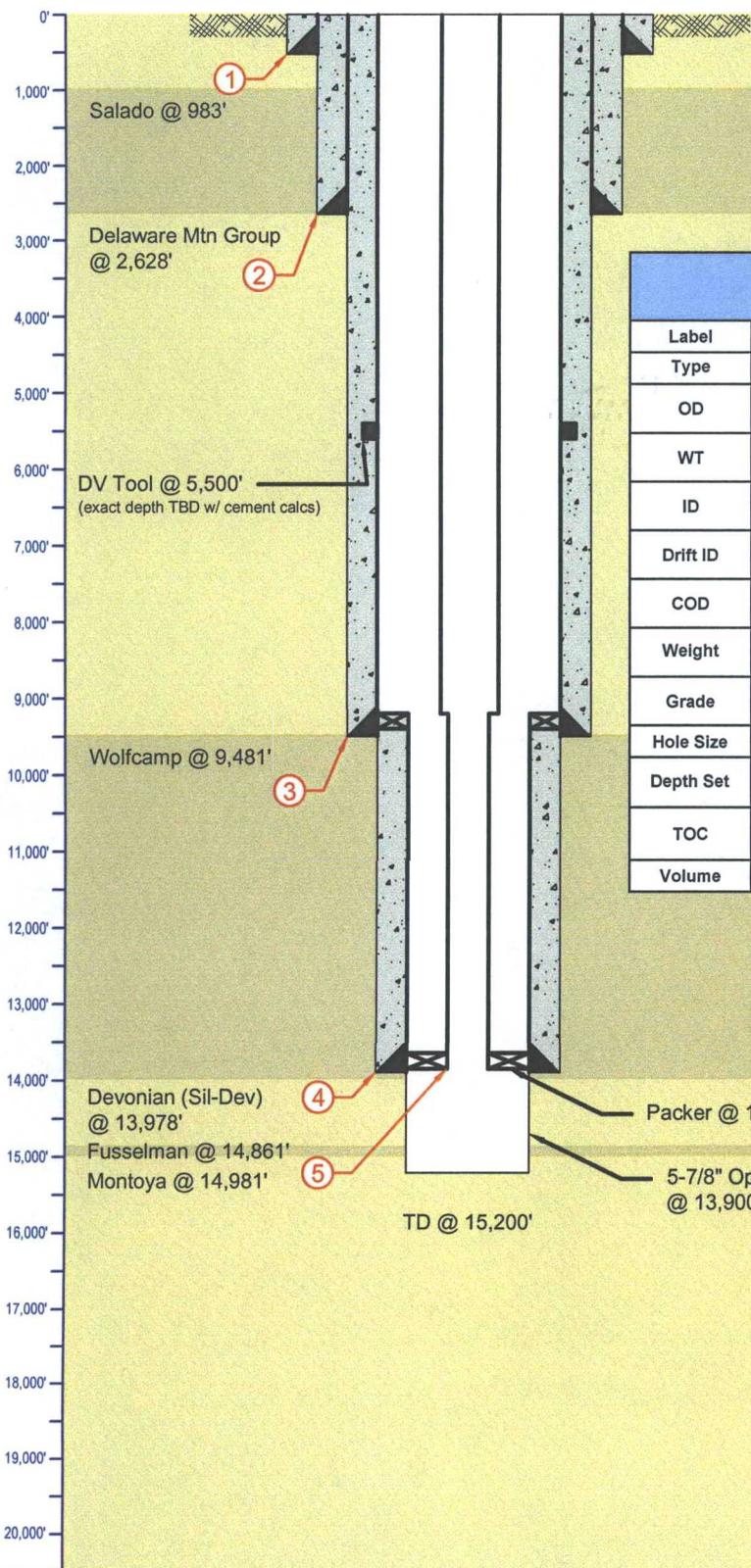
Delaware: 2,688'

Bone Spring: 6,248'

Wolfcamp: 9,481'

Atoka: 11,383'

Morrow: 12,037'



KB:	NA
BHF:	NA
GL:	NA
Spud:	NA

Casing/Tubing Information					
Label	1	2	3	4	5
Type	Surface	Intermediate 1	Intermediate 2	Liner	Tubing
OD	20"	13-3/8"	9-5/8"	7-5/8"	5-1/2" 4-1/2"
WT	0.438"	0.480"	0.472"	0.562"	0.304" 0.250"
ID	19.124"	12.415"	8.681"	6.501"	4.892" 4.000"
Drift ID	18.936"	12.259"	8.525"	6.376"	4.767" 3.875"
COD	21.000"	14.375"	10.625"	7.625"	6.050" 5.000"
Weight	94 lb/ft	68 lb/ft	47 lb/ft	42.8 lb/ft	17 lb/ft 11.6 lb/ft
Grade	J-55 STC	L-80 STC	HCL-80 LTC	P-110 UFJ	L-80 BTC P-110 LTC
Hole Size	24"	17-1/2"	12-1/4"	8-1/2"	Varies
Depth Set	525'	2,650'	9,500'	9,200' - 13,900'	0' - 9,200' 9,200' - 13,850'
TOC	Surface (circulation)	Surface (circulation)	Surface (circulation)	9,200'	NA
Volume	820 sx	1,490 sx	1,805 sx	595 sx	NA



NGL Water Solutions Permian LLC

Striker 3 SWD No. 1

Country: USA	State/Province: New Mexico	County/Parish: Eddy
Location:	Site:	Survey/STR:
API No:	Field:	Well Type/Status: SWD
Texas License F-9147	State ID No:	Project No: 1469
3345 Bee Cave Road, Suite 201 Austin, Texas 78746 Tel: 512.732.9812 Fax: 512.732.9816	Drawn: WHG	Date: 5/13/17
Rev No: 1	Reviewed: CW	Approved: CW
	Notes:	

NGL Water Solutions Permian, LLC

Striker 3 SWD No. 1

FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1.

Well information	
Lease Name	Striker 3 SWD
Well No.	1
Location	S-33 T-23S R-28E
Footage Location	472' FSL & 897' FEL

2.

a. Wellbore Description

Casing Information				
Type	Surface	Intermediate	Production	Liner
OD	20"	13.375"	9.625"	7.625"
WT	0.438"	0.480"	0.472"	0.562"
ID	19.124"	12.415"	8.681"	6.501"
Drift ID	18.936"	12.259"	8.525"	6.376"
COD	21.00"	14.375"	10.625"	7.625"
Weight	94 lb/ft	68 lb/ft	47 lb/ft	42.8 lb/ft
Grade	J-55	L-80	HCL-80	P-110
Hole Size	26"	17.5"	12.25"	8.5"
Depth Set	525'	2,650'	9,500'	9,200' – 13,900'

b. Cementing Program

Cement Information				
Casing String	Surface	Intermediate	Production	Liner
Lead Cement	C	C	NeoCem	H
Lead Cement Volume	820 sx	1115 sx	890 sx	595 sx
Tail Cement		C	NeoCem/HALCEM	
Tail Cement Volume		375 sx	915 sx	
Cement Excess	100%	25%	25%	25%
TOC	Surface	Surface	Surface	9,200'
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Logged

3. Tubing Description

Tubing Information		
OD	5.5"	4.5"
WT	0.304"	0.250"
ID	4.892"	4.000"
Drift ID	4.767"	3.875"
COD	6.050"	5.000"
Weight	17 lb/ft	11.6 lb/ft
Grade	L-80 BTC	P-110 LTC
Depth Set	0'-9,200'	9,200'-13,850'

Tubing will be lined with Duoline.

4. Packer Description

D&L Oil Tools 7.625" Permapack Packer – Single Bore

B. Completion Information

1. Injection Formation: Devonian, Silurian, Fusselman, Montoya (Top 100')
2. Gross Injection Interval: 13,900' – 15,200'

Completion Type: Open Hole

3. Drilled for injection.
4. See the attached wellbore schematic.
5. Oil and Gas Bearing Zones within area of well:

Formation	Depth
Delaware	2,688'
Bone Spring	6,248'
Wolfcamp	9,481'
Atoka	11,383'
Morrow	12,037'

VI. Area of Review

No wells within the area of review penetrate the proposed injection zone.

VII. Proposed Operation Data

1. Proposed Daily Rate of Fluids to be Injection:

Average Volume: 25,000 BPD
Maximum Volume: 33,000 BPD

2. Closed System

3. Anticipated Injection Pressure:

Average Injection Pressure: 1,500 PSI (surface pressure)
Maximum Injection Pressure: 2,780 PSI (surface pressure)

4. The injection fluid is to be locally produced water. Attached are produced water sample analyses taken from the closest wells that feature samples from the Delaware and Morrow formations.
5. The disposal interval is non-productive. No water samples are available from the surrounding area.

VIII. Geological Data

The Devonian formation is a dolomitic ramp carbonate that occurs below the Woodford shale and above the Fusselman formation. Strata found in the Devonian formation include two major groups, the Wristen Buildups and the Thirtyone Deepwater Chert, with the Wristen being more abundant. The Wristen Groups is composed of mixed limestone and dolomites with mudstone to grainstone and boundstone textures. Porosity in the Wristen group is a result of both primary and secondary development. Present are moldic, vugular, karstic (including collapse breccia) features that allow for higher porosities and permeabilities. The Thirtyone Formation contains two end-member reservoir facies, skeletal packstones/grainstones and spiculitic chert, with most of the porosity and permeability found in the coarsely crystalline cherty dolomite. These particular characteristics allow for this formation to be a tremendous Salt Water Disposal horizon.

A. Injection Zone: Siluro-Devonian Formation

Formation	Depth
Rustler	Eroded, not present
Salado	983'
Delaware	2,688'
Bone Spring	6,248'
Wolfcamp	9,481'
Strawn	11,183'
Atoka	11,383'
Morrow	12,037'
Mississippian Lime	12,973'
Woodford	13,839'
Devonian	13,978'

B. Underground Sources of Drinking Water

Within 1-mile of the proposed Striker 3 SWD #1 location water wells range in depth from 75' to 300'. Reported depths to fresh water range from 25' to 190' (65' on average). This is not a known fresh water aquifer, but rather represents a sporadic alluvial source.

IX. Proposed Stimulation Program

No proposed stimulation program.

X. Logging and Test Data on the Well

There are no logs or test data on the well. During the process of drilling and completion resistivity, gamma ray, and density logs will be run.

XI. Chemical Analysis of Fresh Water Wells

Cardinal Laboratories in Hobbs, New Mexico was contracted to obtain water samples from fresh water wells within 1 mile and provide chemical analysis of the samples. It was determined that all wells within the area had been plugged or were not operational.

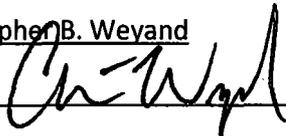
XII. Affirmative Statement of Examination of Geologic and Engineering Data

Based on the available engineering and geologic data we find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

NAME: Christopher B. Weyand

TITLE: Consulting Engineer

SIGNATURE: _____



DATE: _____

8/2/2017

DISTRICT I
 1625 N. French Dr., Hobbs, NM 88240
 Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
 811 S. First St., Artesia, NM 88210
 Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
 1000 Rio Brazos Road, Aztec, NM 87410
 Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, 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 96101	Pool Name SWD; Silurian-Devonian
Property Code	Property Name STRIKER 3 SWD	
		Well Number 1
OGRID No. 372338	Operator Name NGL WATER SOLUTIONS PERMIAN, LLC	
		Elevation 3069'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	33	23-S	28-E		472	SOUTH	897	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

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=456728.7 N X=576375.1 E LAT.=32.255422° N LONG.=104.086271° W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y=456787.5 N X=617558.2 E LAT.=32.255543° N LONG.=104.086765° W		

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

8/2/2017
 Signature Date

Christopher Weyand
 Printed Name
 chris@lonquist.com
 E-mail 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 supervision, and that the same is true and correct to the best of my belief.

APR 25 2017

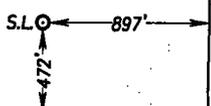
Date of Survey

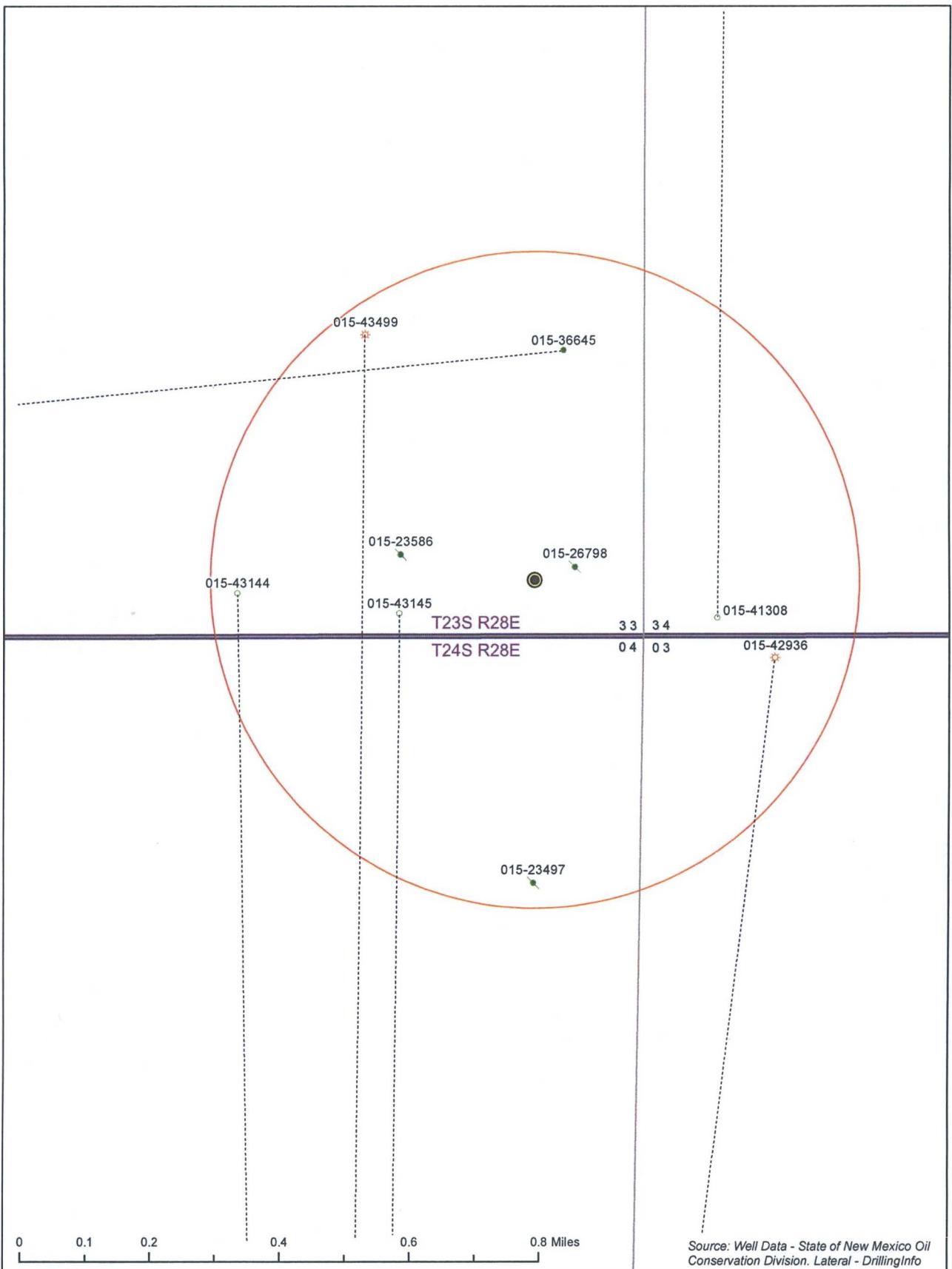
Signature of Professional Surveyor:

05/10/2017
 Certificate Number

Ronald J. Eidson 12641
 Ronald J. Eidson 3239

DSS JWSC W.O.: 17.11.0412





Source: Well Data - State of New Mexico Oil Conservation Division. Lateral - DrillingInfo

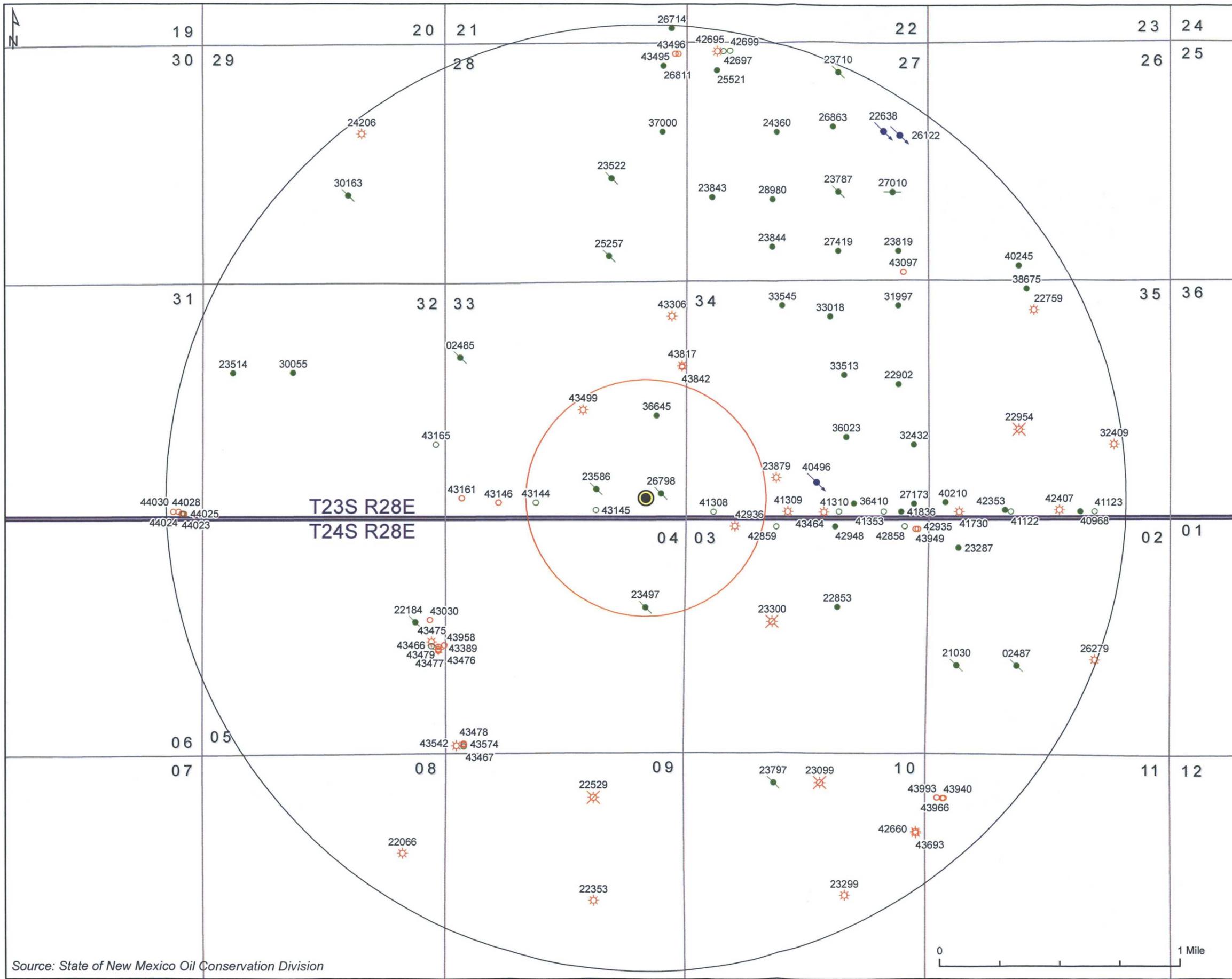
Striker 3 SWD #1
1/2 mile Area of Review
 Eddy County, NM
 NGL Water Solutions Permian, LLC

Projection: NAD 1983 State Plane NM East FIPS 3001
 Drawn by: SAH | Date: 5/9/2017 | Approved by: NLB

LONQUIST & CO. LLC
 AUSTIN HOUSTON | PETROLEUM ENGINEERS | ENERGY ADVISORS | WICHITA CALGARY
 www.lonquist.com

- Striker 3 SWD #1
- Gas Well
- Oil Well
- Plugged Oil Well
- Permitted Oil Well
- Lateral
- 1/2 mile Radius
- Section Boundary
- Township Boundary





Striker 3 SWD #1
2 mile Area of Review
 Eddy County, NM
 NGL Water Solutions Permian, LLC

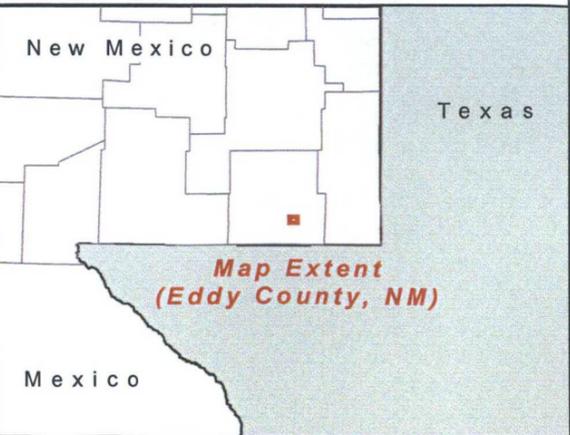
Projection: NAD 1983 State Plane NM East FIPS 3001
 Drawn by: SAH Date: 5/9/2017 Approved by: NLB

LONQUIST & CO. LLC

AUSTIN HOUSTON PETROLEUM ENGINEERS ENERGY ADVISORS WICHITA CALGARY

www.lonquist.com

- Striker 3 SWD #1
- Gas Well
- Permitted Gas Well
- Plugged Gas Well
- Oil Well
- TA Oil Well
- Plugged Oil Well
- Permitted Oil Well
- SWD Well
- 1/2 mile Radius
- 2 mile Radius
- Section Boundary
- Township Boundary

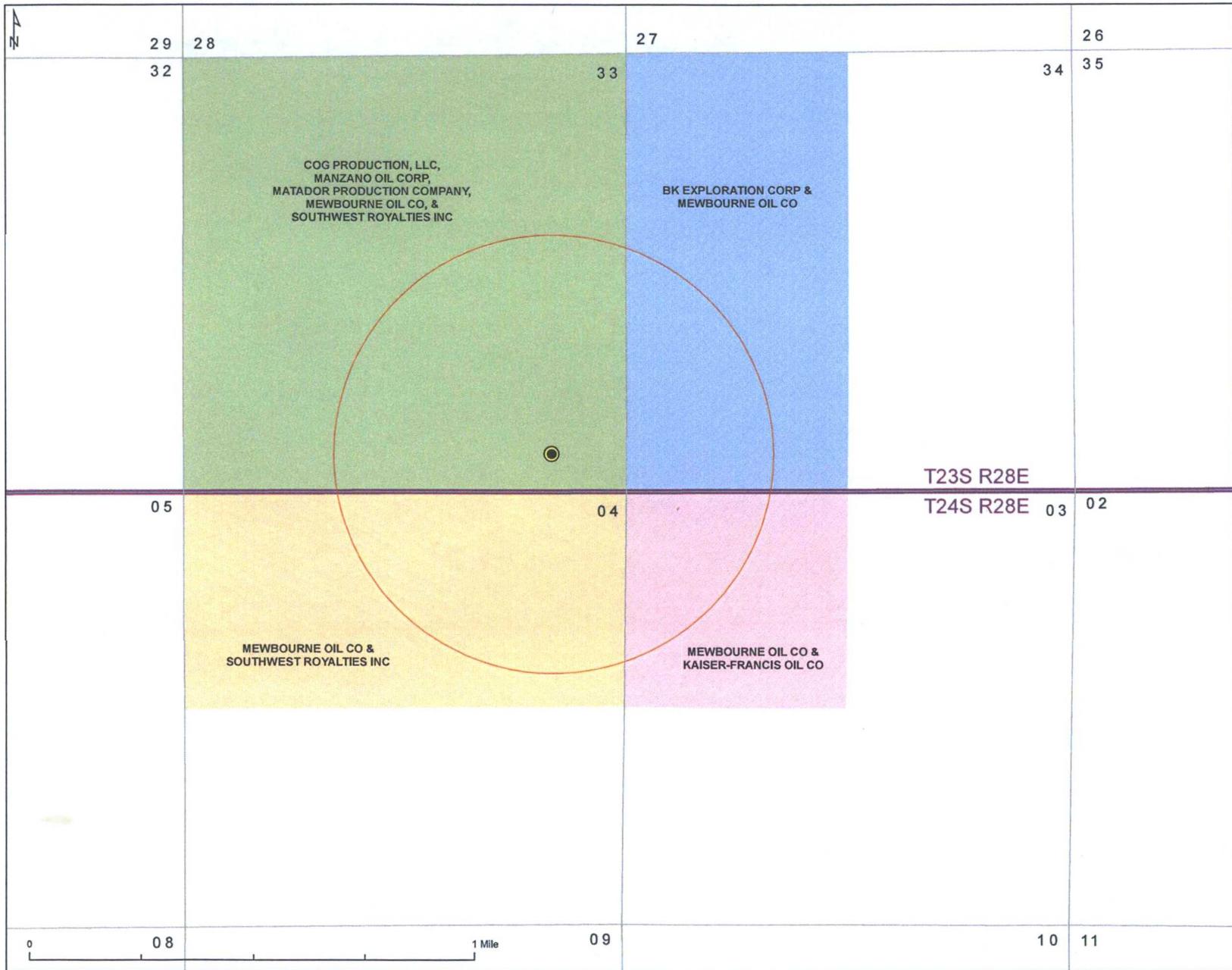


Source: State of New Mexico Oil Conservation Division



Half-Mile AOR
Striker 3 SWD #1

API (30-015-)	Well Name	Well Type	Status	Operator	TD (TVD)	Location	Date Drilled
23497	PRE-ONGARD (Vasquez 4 Com.)	Oil	Plugged	PRE-ONGARD (HNG Oil Co)	13000	H-04-24S-28E	10/21/1980
23586	PARDUE FARMS #001	Oil	Plugged	MANZANO OIL CORP	13000	O-33-23S-28E	12/20/1980
26798	WITT #001	Oil	Plugged	SOUTHWEST ROYALTIES INC	6300	P-33-23S-28E	9/29/1991
36645	HIGGINS 33 #001H	Oil	Active	COG PRODUCTION, LLC	10916	I-33-23S-28E	10/10/2008
41308	YARDBIRDS 34 MD FEE #002H	Oil	Permitted	MEWBOURNE OIL CO	0	M-34-23S-28E	NA
42936	YARDBIRDS 3 W2DM FEE #001H	Gas	Active	MEWBOURNE OIL CO	10473	4-03-24S-28E	3/23/2015
43144	FOREIGNER 4 B2CN FEE #001H	Oil	Permitted	MEWBOURNE OIL CO	0	N-33-23S-28E	NA
43145	FOREIGNER 4 B2BO FEE #001H	Oil	Permitted	MEWBOURNE OIL CO	0	O-33-23S-28E	NA
43499	FOREIGNER 33 4 W2JO FEE COM #001H	Gas	Active	MEWBOURNE OIL CO	10523	J-33-23S-28E	4/30/2016



**Striker 3 SWD #1
Offset Leases**

Eddy County, NM

NGL Water Solutions Permian, LLC

Projection: NAD 1983 State Plane NM East FIPS 3001

Drawn by: SAH

Date: 5/9/2017

Approved by: NLB

LONQUIST & CO. LLC

AUSTIN
HOUSTON

PETROLEUM
ENGINEERS

ENERGY
ADVISORS

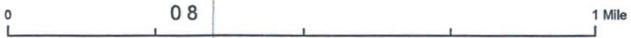
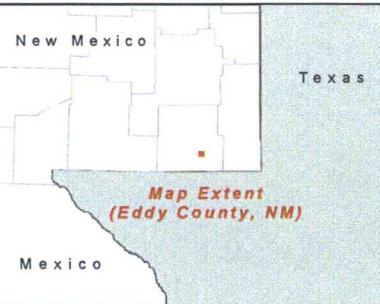
WICHITA
CADOBY

www.lonquist.com

- Striker 3 SWD #1
- 1/2 mile Radius
- Section Boundary
- ▭ Township Boundary

Lessee

- COG PRODUCTION, LLC, MANZANO OIL CORP, MATADOR PRODUCTION COMPANY, MEWBOURNE OIL CO, & SOUTHWEST ROYALTIES INC
- BK EXPLORATION CORP & MEWBOURNE OIL CO
- MEWBOURNE OIL CO & SOUTHWEST ROYALTIES INC
- MEWBOURNE OIL CO & KAISER-FRANCIS OIL CO



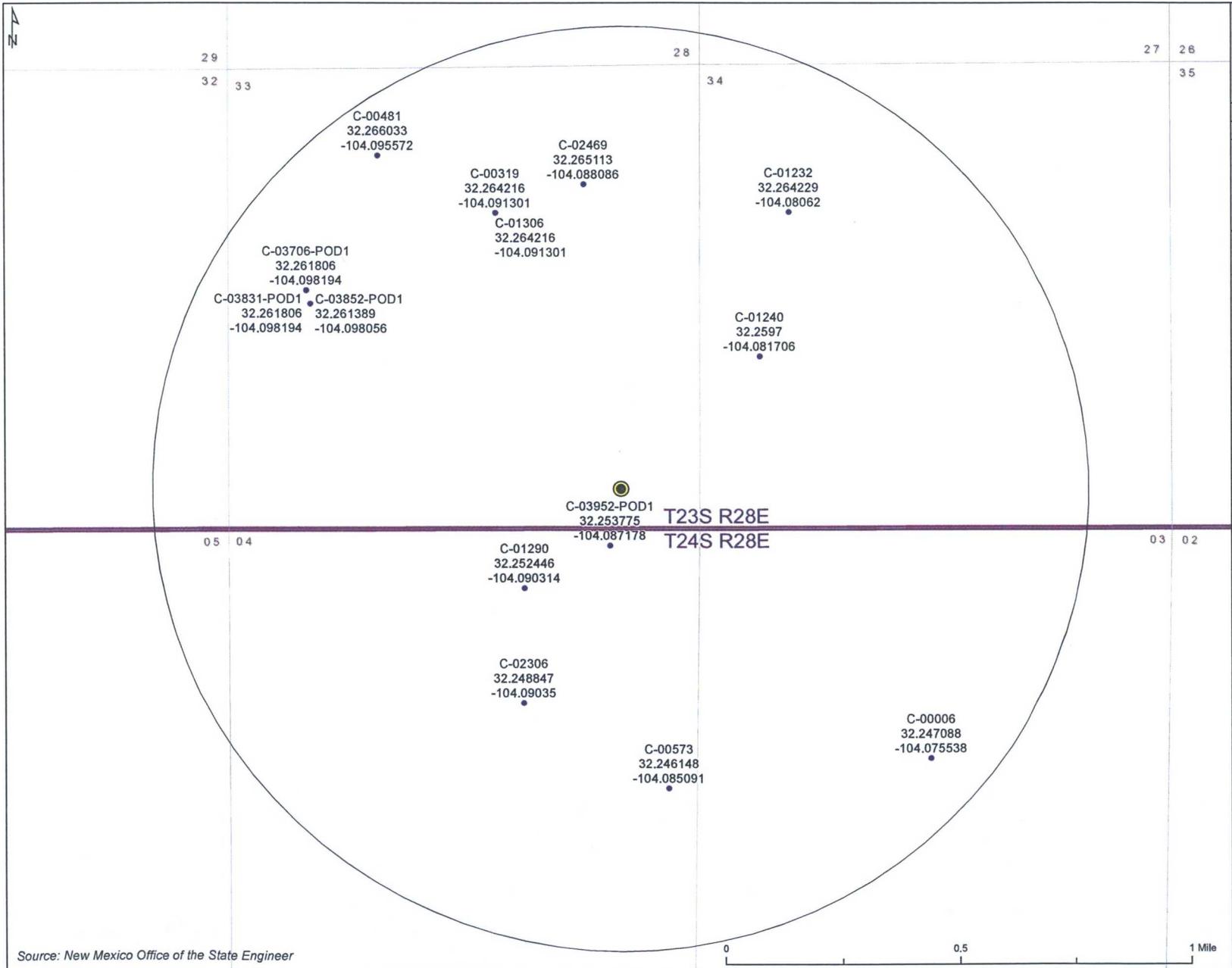
Striker 3 SWD No. 1 Notice List

Notice	Address	Phone Number	Date Noticed
Oil Conservation Division District IV	1220 South St. Francis Drive, Santa Fe, NM 87505	(505) 476-3440	8/2/2017
Oil Conservation Division District II	811 S. First St., Artesia, NM 88210	(575) 748-1283	8/2/2017
Surface Owner			
NGL WATER SOLUTIONS PERMIAN, LLC	1509 W Wall St., Ste. 306, Midland, TX 79701	(432) 685-0005	N/A
Leasehold Operators - 1/2 Mile			
MANZANO OIL CORP	P.O. Box 2107, Roswell, NM 88202	(505) 623-1996	8/2/2017
SOUTHWEST ROYALTIES INC	P.O. Box 11390, Midland, TX 79702	(432) 682-6324	8/2/2017
COG PRODUCTION, LLC	2208 West Main Street, Artesia, NM 88210	(432) 683-7443	8/2/2017
MEWBOURNE OIL CO	P.O. Box 5270, Hobbs, NM 88241	(575) 393-5905	8/2/2017
MATADOR PRODUCTION COMPANY	5400 LBJ Freeway, Ste. 1500, Dallas, TX 75240	(972) 371-5200	8/2/2017
BK EXPLORATION CORP	10159 E 11th Ste. 401, Tulsa, OK 74128		8/2/2017
KAISER-FRANCIS OIL CO	P.O. Box 21468, Tulsa, OK 74121	(918) 491-4209	8/2/2017

This legal notice will appear in the Carlsbad Current-Argus on Wednesday, August 2, 2017, and run in the paper for one day. The affidavit of publication will be forwarded to the New Mexico Oil Conservation Division upon receipt.

Legal Notice

NGL Water Solutions Permian, LLC, 1509 W. Wall Street, Suite 306, Midland, Texas 79701 is filling Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division for administrative approval for its salt water disposal well Striker 3 SWD No. 1. The proposed well will be located 472' FSL & 897' FEL in Section 33, Township 23S, Range 28E in Eddy County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Siluro-Devonian Formation (determined by offset log analysis) through an open hole completion between a maximum applied for top of 13,900 feet to a maximum depth of 15,200 feet. The maximum surface injection pressure will not exceed 2,780 psi with a maximum rate of 33,000 BWPD. Interested parties opposing the action must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days. Additional information can be obtained from the applicant's agent, Lonquist & Co., LLC, at (512) 600-1764.



**Striker 3 SWD #1
Offset Water Wells**
Eddy County, NM
NGL Water Solutions Permian, LLC

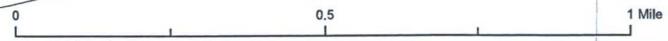
Projection: NAD 1983 State Plane NM East FIPS 3001
 Drawn by: SAH Date: 5/9/2017 Approved by: NLB

LONQUIST & CO. LLC
 ABSTIN HOUSTON PETROLEUM ENGINEERS ENERGY ADVISORS WICHITA CALGARY
www.lonquist.com

- Striker 3 SWD #1
- Water Well (NAD 1983)
- 1 mile Radius
- Section Boundary
- Township Boundary



Source: New Mexico Office of the State Engineer



Striker 3 SWD: Offset Produced Water Analysis																			
wellname	apl	formation	ph	specificgravity	tds_mgl	sodium_mgl	calcium_mgl	iron_mgl	barium_mgl	magnesium_mgl	potassium_mgl	strontium_mgl	manganese_mgl	chloride_mgl	bicarbonate_mgl	sulfate_mgl	h2s_mgl	co2_mgl	
WILLIAMS ESTATE #001	3001527173	DELAWARE-BRUSHY CANYON	5.96	1.075	101919	34645.1	5772.75	33.325	0.215	1197.55	211.775	142.975		67289.6	40.85	228.975			
FATE 34 #001	3001523879	DELAWARE-BRUSHY CANYON	6.4	1.196	302969	105152	25186.6	88.504	4.186	4772.04	1857.39	1533.27		223505	119.6	132.756	5.98		
FATE 34 #001	3001523879	DELAWARE-BRUSHY CANYON	5.01	1.201	296269	109519	23778.6	175.346	10.809	2150.99	665.354	733.811		218318	19.216	447.973			
FATE 34 #001	3001523879	DELAWARE-BRUSHY CANYON	5.64	1.203	297349	121593	15209.5	113.082	10.827	1282.4	289.923	276.69		218447	73.383	415.035			
WILLIAMS ESTATE #001	3001527173	DELAWARE-BRUSHY CANYON	6.54	1.17	255443	113016	2128.23	592.02	1.17	301.86	1111.5	139.23		179189	912.6	1476.54			
KIM #001	3001524589	DELAWARE	4.9	1.136	202807	60819.2	20577.5	2.84	6.816	4029.39		994		143136	38.624	213.568	11.36		
BRANTLEY #001	3001522677	MORROW	6.5		278468									166000	78	3400			
SPUD 16 STATE #009H	3001538059	AVALON UPPER	7		154164.4	54960.3	797.8	35.2		202.5			0	92020.7	3660	0		1100	
SPUD 16 STATE #009H	3001538059	AVALON UPPER	7		154965.1	58687.2	719	54		131			1	91118	1671.4	1502			70
REMUDA BASIN UNIT #001	3001503691	BONE SPRING			271010									168800	130	100			
SPUD 16 STATE #010H	3001541148	BONE SPRING 1ST SAND	7		152943.4	54183.5	1409.3	16.2		274.9			0	92807.2	2305.8	0			400
SPUD 16 STATE #011H	3001541149	BONE SPRING 1ST SAND	7		153041.8	53895.7	1294.2	0		272.6			0	92918.4	2708.4	0			460
SPUD 16 STATE #012H	3001541150	BONE SPRING 1ST SAND	7		146424.7	55118.3	1444.9	11.4		312.8			0	84786.2	2659.6	0			420
SPUD 16 STATE #008H	3001540038	BONE SPRING 1ST SAND	6.7		153750.7	57590.8	1198	10		244			0.3	91697	951.6	755			60
DOC HOLIDAY 32 STATE COM #001	3001541145	BONE SPRING 2ND SAND	6.7		193316.3	59944.7	8287.7	63.6		1065.9			1.03	120600	170.8	17			350
PREACHER 19 FEDERAL #003H	3001541887	BONE SPRING 2ND SAND	6.5		193786.1	67996.2	3049.5	50		455.6			0	119000	130	34			300
PREACHER 19 FEDERAL #003H	3001541887	BONE SPRING 2ND SAND	7		177819.6	60298.5	5557.4	49.5		721.3			0	108940.6	366	0			470
JOSEY WALES 16 STATE COM #003H	3001541090	BONE SPRING 2ND SAND	6.47		179419.7	56191	7263	34		907			0.8	112857	146.4	573			350
DOC HOLIDAY 32 STATE COM #001	3001541145	BONE SPRING 2ND SAND	6.3		205799.3	64141.4	9202.6	68.4		1164.7			1.1	128748.7	122	17			430
PREACHER 19 FEDERAL #003H	3001541887	BONE SPRING 2ND SAND	5.8		203717.6	70834.8	3255.7	51		483.4			0	125604.7	144	34			360
JOSEY WALES 16 STATE COM #003H	3001541090	BONE SPRING 2ND SAND	7.6		176588.8	56605.8	7257.2	41.9		919.6			0	109722	146	0			430
DOC HOLIDAY 32 STATE COM #001	3001541145	BONE SPRING 2ND SAND	7.3		197760.1	61580.1	8480.7	68.7		1113.9			1.11	123849.8	146	0			430
SERRANO 29 FEDERAL #001H	3001537763	WOLFCAMP	6.5		100994.9	28702.1	5341.9	46.2		619.5			1.46	63450.1	268	0			350

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-101
Revised July 18, 2013

AMENDED REPORT

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

1. Operator Name and Address NGL WATER SOLUTIONS PERMIAN, LLC		2. OGRID Number 372338
		3. API Number
4. Property Code	5. Property Name STRIKER 3 SWD	6. Well No. 1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	33	23S	28E		472	SOUTH	897	EAST	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name SWD; Silurian-Devonian	Pool Code 96101
-------------------------------------	--------------------

Additional Well Information

11. Work Type N	12. Well Type SWD	13. Cable/Rotary R	14. Lease Type Private	15. Ground Level Elevation 3,069'
16. Multiple N	17. Proposed Depth 15,200'	18. Formation Siluro-Devonian	19. Contractor TBD	20. Spud Date ASAP
Depth to Ground water 65'	Distance from nearest fresh water well 656'		Distance to nearest surface water >1 mile	

We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

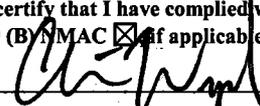
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	26"	20"	94 lb/ft	525'	820	Surface
Intermediate	17.5"	13.375"	68 lb/ft	2,650'	1490	Surface
Production	12.25"	9.625"	47 lb/ft	9,500'	1805	Surface
Prod. Liner	8.5"	7.625"	42.8 lb/ft	9,200' - 13,900'	595	9,200'
Tubing	N/A	5.5"	17 lb/ft	0' - 9,200'	N/A	N/A
Tubing	N/A	4.5"	11.6 lb/ft	9,200' - 13,850'	N/A	N/A

Casing/Cement Program: Additional Comments

See attached schematic.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/Blinds, Pipe	5,000 psi	8,000 psi	TBD - Schaffer/Cameron

<p>23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature: </p> <p>Printed name: Christopher B. Weyand</p> <p>Title: Consulting Engineer</p> <p>E-mail Address: chris@lonquist.com</p> <p>Date: 8/2/2017</p>	<p>OIL CONSERVATION DIVISION</p> <p>Approved By:</p> <p>Title:</p> <p>Approved Date: Expiration Date:</p>	
	<p>Conditions of Approval Attached</p>	
Phone: (512) 600-1764		

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

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

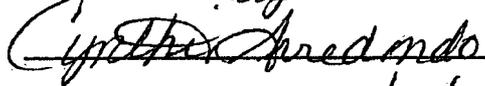
That he is the Publisher of the
Carlsbad Current-Argus, a
newspaper published daily at the
City of Carlsbad, in said county of
Eddy, state of New Mexico and of
general paid circulation in said
county; that the same is a duly
qualified newspaper under the laws
of the State wherein legal notices
and advertisements 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:

August 2 2017

That the cost of publication is **\$70.15**
and that payment thereof has been
made and will be assessed as court
costs.

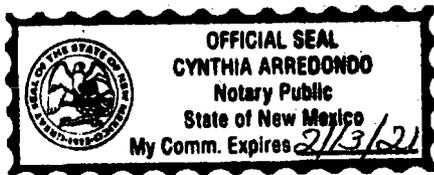


Subscribed and sworn to before me
this 2 day of August, 2017



My commission Expires 2/13/21

Notary Public



August 2, 2017
Legal Notice
NGL Water Solutions
Permian, LLC, 1509 W
Wall Street, Suite 306
Midland, Texas 79701
is filling Form C-108
(Application for Au-
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with the New Mexico
Oil Conservation Divi-
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Striker 3 SWD No. 1.
The proposed well will
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897' FEL in Section 33,
Township 23S, Range
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Formation (deter-
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between a maximum
applied for top of
13,900 feet to a maxi-
mum depth of 15,200
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2,780 psi with a maxi-
mum rate of 33,000
BWPD. Interested par-
ties opposing the ac-
tion must file objec-
tions or requests for
hearing with the Oil
Conservation Division,
1220 South St. Francis
Drive, Santa Fe, New
Mexico 87505, within
15 days. Additional in-
formation can be ob-
tained from the appli-
cant's agent, Longquist
& Co., LLC, at (512)
600-1764.

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:

Oil Conservation Division District IV
 1220 South Street, Francis Drive
 Santa Fe, New Mexico 87505

9590 9402 2818 7069 5919 09

2. Article Number (Transfer from service label)
 7014 1820 0000 3203 8700

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *K. Robal* Agent Addressee

B. Received by (Printed Name)
 Krystle Robal

C. Date of Delivery
 08-07-17

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

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

AUG 07 2017

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:

Oil Conservation Division District II
 811 South First Street
 Artesia, New Mexico 88210

9590 9402 2818 7069 5919 16

2. Article Number (Transfer from service label)
 7014 1820 0000 3203 8700

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Kristen Klein* Agent Addressee

B. Received by (Printed Name)
 Kristen Klein

C. Date of Delivery
 8/7/17

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

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

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:

Manzano Oil Corporation
 P. O. Box 2107
 Roswell, New Mexico 88202

9590 9402 2818 7069 5919 23

Article Number (Transfer from service label)
 7014 1820 0000 3203 8724

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Vicki Barnett* Agent Addressee

B. Received by (Printed Name)
 Vicki Barnett

C. Date of Delivery
 8/7/17

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

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

Domestic Return Receipt

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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:

Mewbourne Oil Company
 P. O. Box 5270
 Hobbs, New Mexico 88241

9590 9402 2818 7069 5919 54

2. Article Number (Transfer from service label)
 7014 1820 0000 3203 8755

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *J. Lathan* Agent Addressee

B. Received by (Printed Name)
 J. Lathan

C. Date of Delivery
 8/7/17

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

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

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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 Production Company
 5400 LBJ Freeway
 Suite 1500
 Dallas, Texas 75240

9590 9402 2818 7069 5919 61

Article Number (Transfer from service label)
 7014 1820 0000 3203 8762

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *[Signature]* Agent Addressee

B. Received by (Printed Name)
 [Name]

C. Date of Delivery
 8/7/17

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

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

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1. Article Addressed to:

COG Production, LLC
 2208 West Main Street
 Artesia, New Mexico 88210

9590 9402 2818 7069 5919 47

2. Article Number (Transfer from service label)
 7014 1820 0000 3203 8748

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Suzanne Beasley* Agent Addressee

B. Received by (Printed Name)
 Suzanne Beasley

C. Date of Delivery
 8/9/17

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

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

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 Print your name and address on the reverse so that we can return the card to you.
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1. Article Addressed to:

BK Exploration Corporation
 10159 East 11th Street
 Suite 401
 Tulsa, Oklahoma 74128

9590 9402 2818 7069 5919 78

Article Number (Transfer from service label)
 7014 1820 0000 3203 8779

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *[Signature]* Agent Addressee

B. Received by (Printed Name)
 [Name]

C. Date of Delivery
 AUG 08 2017

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

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

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 Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Kaiser-Francis Oil Company
 P. O. Box 21468
 Tulsa, Oklahoma 74121

9590 9402 2818 7069 5919 85

2. Article Number (Transfer from service label)
 7014 1820 0000 3203 8786

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *[Signature]* Agent Addressee

B. Received by (Printed Name)
 [Name]

C. Date of Delivery
 AUG 08 2017

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

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

Domestic Return Receipt

McMillan, Michael, EMNRD

From: Chris Weyand <chris@lonquist.com>
Sent: Monday, August 21, 2017 1:45 PM
To: McMillan, Michael, EMNRD
Subject: RE: NGL Water Solutions Permian, LLC Striker 3 SWD Well No. 1

Mike – We contracted Cardinal Labs in Hobbs, NM to sample fresh water wells within 1-mile but they determined that all had been plugged or were no longer operational.

Thanks,

Chris Weyand
Staff Engineer
Lonquist & Co., LLC
(512) 600-1764 Direct
(210) 846-2673 Mobile

From: McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]
Sent: Monday, August 21, 2017 2:43 PM
To: Chris Weyand
Subject: RE: NGL Water Solutions Permian, LLC Striker 3 SWD Well No. 1

I do not see water samples from underground sources of drinking water
Mike

From: Chris Weyand [mailto:chris@lonquist.com]
Sent: Monday, August 21, 2017 1:01 PM
To: McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>
Subject: RE: NGL Water Solutions Permian, LLC Striker 3 SWD Well No. 1

Here you go. Aug. 7-9

Chris Weyand
Staff Engineer
Lonquist & Co., LLC
(512) 600-1764 Direct
(210) 846-2673 Mobile

From: McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]
Sent: Monday, August 21, 2017 1:55 PM
To: Chris Weyand
Subject: RE: NGL Water Solutions Permian, LLC Striker 3 SWD Well No. 1

I do not see the dates when mailed.
mike

From: Chris Weyand [mailto:chris@lonquist.com]
Sent: Monday, August 21, 2017 12:53 PM



C-108 Review Checklist: Received 8/07/2017 Add Request: 8/07/2017 Reply Date: 8/14/2017 Suspended: _____ [Ver 15]

ORDER TYPE: WFX / PMX (SWD) Number: 1090 Order Date: _____ Legacy Permits/Orders: _____

Well No. 1 Well Name(s): Stricken 38 SWD

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

Footages 472 FSL 447 FEL Lot or Unit D Sec 33 Tsp 235 Rge 28E County Eddy

General Location: 2 miles S of Louisa Pool: _____ Pool No.: _____

BLM 100K Map: CANUSBAD Operator: NGU Water Solutions, Perm. OGRID: 372308 Contact: Chingweyent

COMPLIANCE RULE 5.9: Total Wells: _____ Inactive: _____ Fincl Assur: _____ Compl. Order? _____ 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: _____

Planned Rehab Work to Well: _____

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement (Sx) or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	<u>20" / 13 3/4"</u>	<u>525</u>	<u>820</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Intern/Prod	<u>12 1/4" / 9 5/8"</u>	<u>950</u>	<u>1490</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Intern/Prod	<u>17 1/2" / 13 3/4"</u>	<u>2650</u>	<u>1450</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Prod/Liner	<u>8 1/2" / 7 5/8"</u>	<u>13900</u>	<u>595</u>	<u>9200 / C-B-L</u>
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ OH / PERF				

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		<u>uv</u>	<u>13831</u>
Confining Unit: Litho. Struc. Por.		<u>DV</u>	<u>13978</u>
Proposed Inj Interval TOP:		<u>DV</u>	<u>13900</u>
Proposed Inj Interval BOTTOM:			
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:

Drilled TD 15200 PBDT _____
 NEW TD _____ NEW PBDT _____
 NEW Open Hole or NEW Perfs
 Tubing Size 4 in. Inter Coated? NO
 Proposed Packer Depth 13850 ft
 Min. Packer Depth 131380 (100-ft limit)
 Proposed Max. Surface Press. 2780 psi
 Admin. Inj. Press. 2780 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P _____ Noticed? _____ BLM Sec Ord WIPP Noticed? _____ Salt/Salado T 983 B: 2688 NW: Cliff House fm _____

FRESH WATER: Aquifer 140 Max Depth 4000 HYDRO AFFIRM STATEMENT By Qualified Person

NMOSE Basin: CANUSBAD CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? 0 FW Analysis MA

Disposal Fluid: Formation Source(s) Wulfcamp, Marrow Analysis? NA On Lease Operator Only or Commercial

Disposal Int: Inject Rate (Avg/Max BWPD): 25K / 35K Protectable Waters? _____ Source: _____ System Closed or Open

HC Potential: Producing Interval? MA Formerly Producing? _____ Method: Logs/DST/P&A/Other region 1 2-Mile Radius Pool Map

AOR Wells: 1/2-M Radius Map? 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 08-02-2017 Mineral Owner _____ Surface Owner NGU N. Date _____

RULE 26.7(A): Identified Tracts? Affected Persons: McAubourne, Matador, Cdb, Keweenaw N. Date 08-02-2017

Order Conditions: Issues: C-B-L -> 500' / top Liner to bottom Liner

Add Order Cond: _____