### STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

APPLICATION OF NGL WATER SOLUTIONS PERMIAN, LLC TO APPROVE SALT WATER DISPOSAL WELL IN LEA COUNTY, NEW MEXICO.

CAS
1.

### **APPLICATION**

NGL Water Solutions Permian, LLC ("NGL"), OGRID No. 372338, through its undersigned attorneys, hereby makes this application to the Oil Conservation Division pursuant to the provisions of N.M. Stat. Ann. § 70-2-12, for an order approving drilling of a salt water disposal well in Lea County, New Mexico. In support of this application, NGL states as follows:

- (1) NGL proposes to drill the Striker 4 SWD #1 well at a surface location 850 feet from the South line and 174 feet from the West line of Section 24, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico for the purpose of operating a salt water disposal well.
- (2) NGL seeks authority to inject salt water into the Bell and Cherry Canyon formations at a depth of 5,437 to 7,200'.
- (3) NGL intends to use 5.5 inch tubing and NGL requests that the Division approve a maximum daily injection rate for the well of 20,000 bbls per day.
- (4) NGL anticipates using an average pressure of 815 psi for this well, and it requests that a maximum pressure of 1,087 psi be approved for the well.
  - (5) A proposed C-108 for the subject well is attached hereto in Attachment A.
- (6) The granting of this application will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

WHEREFORE, NGL requests that this application be set for hearing before an Examiner of the Oil Conservation Division on January 9, 2020; and that after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS & SISK, P.A.

By:.

Deana Bennett

Post Office Box 2168

500 Fourth Street NW, Suite 1000

Albuquerque, New Mexico 87103-2168

Telephone: 505.848.1800 *Attorneys for Applicant* 

CASE NO. \_\_\_\_\_: Application of NGL Water Solutions Permian, LLC for approval of salt water disposal well in Lea County, New Mexico. Applicant seeks an order approving the Striker 4 SWD #1 well, with a surface location 850 feet from the South line and 174 feet from the West line of Section 24, Township 24 South, Range 34 East, NMPM, Lea County, New Mexico. Applicant requests authorization to inject salt water into the Bell and Cherry Canyon formations at a depth of 5,437 to 7,200'. Applicant requests that the Division approve a maximum daily injection rate for the well of 20,000 bbls per day. Said location is approximately 15 miles west of Jal, New Mexico.

				Revised March 23, 2017
RECEIVED:	REVIEWER:	TYPE:	APP NO:	
	- Geologi	ABOVE THIS TABLE FOR OCCUPANT THE CONSERVAL COLOR & Engineering rancis Drive, Sant	<b>ATION DIVISION</b> g Bureau –	
THIS	CHECKLIST IS MANDATORY FOR A	RATIVE APPLICATI LL ADMINISTRATIVE APPLICATI EQUIRE PROCESSING AT THE	ATIONS FOR EXCEPTIONS	
plicant: NGL W	ATER SOLUTIONS PERMIAN L		OGI	RID Number: <u>372338</u>
Il Name: STRI			API:	30-025-TBD
SWD; DELAWA	RE		Poo	Code: 96100
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A. Location	n – Spacing Unit – Simul	Itaneous Dedicatio	n	]sD
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administrative understand to	N: I hereby certify that e approval is accurate nat no action will be to are submitted to the Di	and <b>complete</b> to t ken on this applica	he best of my kr	
	ote: Statement must be compl	eted by an Individual with	managerial and/or so	upervisory capacity.
IRIS WEYAND			Date	25/2019
nt or Type Name				
Wh.	M	EXHIBIT	512-600-1764 Phone Number CHRIS@LONQ	UIST.COM
gnature	sapples.	A	e-mail Addres	2

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505 FORM C-108 Revised June 10, 2003

### APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? X Yes No
11.	OPERATOR: NGL WATER SOLUTIONS PERMIAN, LLC
	ADDRESS: 1509 W WALL ST // STE 306 // MIDLAND, TEXAS 79701
	CONTACT PARTY: SARAH JORDAN PHONE: (432) 685-0005 x 1989
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:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,</li> <li>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.).</li> </ol>
*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. Weyand TITLE: Consulting Engineer
	SIGNATURE: DATE: 9 25 2019
*	E-MAIL ADDRESS: <a href="mailto:chris@longuist.com">chris@longuist.com</a> 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:
DIST	RIBUTION: 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.

# INJECTION WELL DATA SHEET

OPERATOR: NGL WATER SOLUTIONS PERMIAN, LLC

Side 1

WELL NAME & NUMBER: STRIKER 4 SWD #1

RANGE 34E TOWNSHIP SECTION UNIT LETTER WELLBORE SCHEMATIC FOOTAGE LOCATION 850' FSL & 174' FWL WELL LOCATION:

WELL CONSTRUCTION DATA Surface Casing

Hole Size: 17.500"

Cemented with: 907 sx.

Top of Cement: surface

0

Casing Size: 13.375"

F.

Method Determined: circulation

Production Casing

Hole Size: 12.250"

Casing Size: 9.625"

Cemented with: 1,886 sx.

Top of Cement: surface

or

H,

Method Determined: circulation

5,437 feet to 7,200 feet

Injection Interval

(Perforated)

# INJECTION WELL DATA SHEET

5,390	
0'- 5	
-	BR
80, LTC from	
LT	% X
80	NOV TK805 IPC & KC CBR
b/ft, I	805
7 1b	TX
5.500", 17 lb/ft,	707
5.50	12
Tubing Size: 5.5	Lining Materia
ng S	2 31
ubi	inin
	-

Type of Packer: Arrowset I-XS 10k mechanical Nickel coated injection packer

Packer Setting Depth: 5,390'

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

### Additional Data

Is this a new well drilled for injection?

2º

Yes

×

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

2. Name of the Injection Formation: Bell and Cherry Canyon

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

intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No, new drill Has the well ever been perforated in any other zone(s)? List all such perforated 4

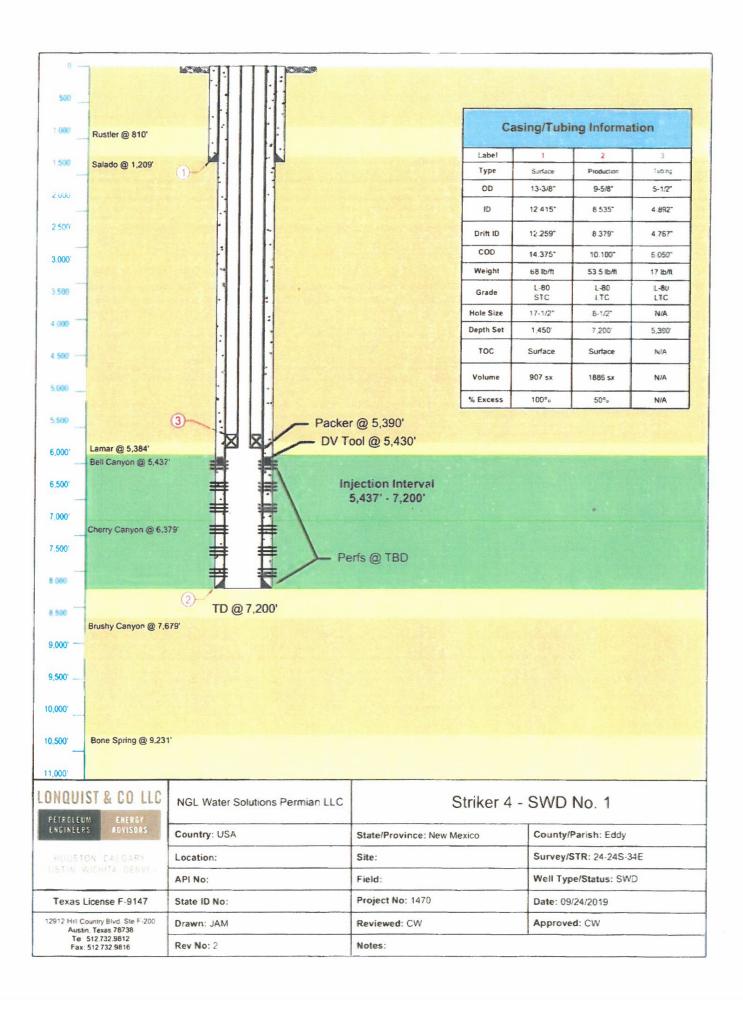
Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: 5

Bone Spring: 9,2317

Wolfcamp: 12,280' Strawn: 12,542'

Atoka: 12,617'

Morrow: 12,796'



### NGL Water Solutions Permian, LLC

### Striker 4 SWD No. 1

### FORM C-108 Supplemental Information

### III. Well Data

### A. Wellbore Information

1.

Welli	nformation
Lease Name	Striker 4 SWD
Well No.	1
County	Lea
Location	S-24 T-24S R-34E
Footage Location	850' FSL & 174' FWL

2.

### a. Wellbore Description

Ca	ising Informa	tion		
Туре	Surface	Production		
OD	13.375"	9.625"		
WT	0.480"	0.545"		
ID	12.415"	8.535"		
Drift ID	12.259"	8.379"		
COD	14.375"	10.100"		
Weight	68 lb/ft	53.5 lb/ft		
Grade	L-80	L-80		
Hole Size	17.5"	12.25"		
Depth Set	1,450'	7,200'		

### b. Cementing Program

Cen	nent Informatio	n		
Casing String	Surface	Production		
Cement Type	С	С		
Cement Yield	2.22 ft3/sk	1.69 ft3/sk		
Total Cement Volume	907 sks	1886 sks		
Cement Excess	100%	50%		
тос	Surface	Surface		
Method	Circulate to Surface	Circulate to Surface		

### 3. Tubing Description

Tubing In	formation				
OD	5.500"				
WT	0.304"				
ID	4.98"				
Drift ID	3.875"				
COD	5.000"				
Weight	11.6 lb/ft				
Grade	L-80				
Depth Set	0'-5,390'				

Lining Material: NOV TK805 IPC & KC CBR

4. Packer Description

Arrowset 1-XS 10k mechanical nickel-coated injection packer

- B. Completion Information
  - 1. Injection Formation: Bell and Cherry Canyon
  - 2. Gross Injection Interval: 5,437' 7,200'

Completion Type: Perforated

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

Formation	Depth
Bone Spring	9,231'
Wolfcamp	12,280'
Strawn	12,542'
Atoka	12,617'
Morrow	12,796'

### VI. Area of Review

All wells that penetrate the proposed injection interval within the ½-Mile AOR are horizontally completed in deeper formations and have been cemented across the proposed injection interval.

### VII. Proposed Operation Data

1. Proposed Daily Rate of Fluids to be Injection:

Average Volume: 10,000 BPD Maximum Volume: 20,000 BPD

- 2. Closed System
- 3. Anticipated Injection Pressure:

Average Injection Pressure: 815 PSI (surface pressure)
Maximum Injection Pressure: 1,087 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, Bone Spring, Wolfcamp, Strawn, Atoka, and Morrow formations.
- 5. The disposal interval is non-productive. No water samples are available from the surrounding area.

### VIII. Geological Data

The Delaware Mountain Group (DMG) of the Delaware Basin comprises of Guadalupian-age arkosic to subarkosic sandstone, siltstone, and detrital limestone that was deposited in deep water, mainly during lowstand and early transgressive sea-level stages. The basin succession is formally divided into the Brushy Canyon, Cherry Canyon, and Bell Canyon Formations (descending order). Stratigraphic divisions within the Delaware Mountain Group are somewhat uncertain due to lithologic similarity and thus a lack of clear boundaries between the major formational intervals. The Delaware Basin during deposition of the Delaware Mountain Group was a deep-water basin bounded by carbonate-ramp (San Andres and Grayburg) and carbonate-rim (Goat Seep and Capitan) margins that developed on the western edge of the Central Basin Platform, the Northwest Shelf, and the Diablo Platform. The top of the interval is designated by another carbonate, the Lamar limestone included in the Bell Canyon Formation. The Bell Canyon contains carbonaceous silty sandstone along with clean, fine grained, massive friable sand. The Brushy Canyon and Cherry Canyon intervals consist of the following: (1) very fine to fine-grained arkosic to subarkosic sandstones, mostly massive in character, (2) very fine grained sandstones microlaminated with siltstones, (3) dark-colored organic siltstones (lutites), (4) carbonate beds (limestone or dolomite) more prevalent near shelf margins, and (5) black to dark gray, calcareous shales. Shale is notably rare in the section and is virtually absent from the Brushy Canyon Formation. Carbonate units (mainly limestone) are present in the upper Cherry Canyon and, especially, Bell Canyon intervals. Porosities and permeabilities in productive intervals range from 12-25% and 1-5 md, respectively, but occasional "streaks" of permeability of up to 200 md are sometimes present. These good porosities indicate a rock that is capable of taking water injection.

### A. Injection Zone: Bell and Cherry Canyon

Formation	Depth			
Rustler Anhydrite	810′			
Salado	1,209′			
Delaware	5,384′			
Bell Canyon	5,437′			
Cherry Canyon	6,379′			
Brushy Canyon	7,679′			
Bone Spring	9,231'			
Wolfcamp	12,280'			

### B. Underground Sources of Drinking Water

The most closely offsetting water wells were drilled to 610' or shallower, generally producing from the Santa Rosa. Fresh water depth appears to vary from 40' to 475' (300' on average) in the area in the form of sporadic alluvial sources and the Santa Rosa. In general, any USDWs (i.e. Upper Rustler) would be expected to fall above the salt and will be protected. The top of the Rustler Anhydrite is estimated at approximately 810'.

IX. Proposed Stimulation Program

No proposed stimulation program planned at this time.

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

The only fresh water well (C-03580) within one mile of the well location as shown on the attached map could not be located. As a result, fresh water samples were not obtained for analysis purposes.

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 (of the proposed Striker 4 SWD #1) and any underground sources of drinking water.

NAME: John C. Webb

TITLE: Sr. Geologist

SIGNATURE: John Webs DATE: 541.24, 2019

District.1 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fex: (575) 393-0720 District.11 811 S. First St., Artesia, ND4 88210 Phone: (575) 748-1283 Fex: (575) 748-9720 District #12 1000 Rio Brazos Road, Aztec, NM \$7410

### State of New Mexico

Form C-101 Revised July 18, 2013

### **Energy Minerals and Natural Resources**

**Oil Conservation Division** 

☐AMENDED REPORT

Phone: (505) 334-6178 Fax: (505) 334-6170 District IV			1220 South St. Francis Dr.							
1220 S. St. Franci Phone: (505) 476-	-3460 Fax: (505	5) 476-3462				Fe, NM 8				
APPLI	CATIO	N FOR			RE-EN	TER, DE	EPEN.	PLUGBACH	C, OR AD	D A ZONE
		NCI	Operator Name: WATER SOLUTION						<ol> <li>OGRID Numb 372338</li> </ol>	ст
		NGI.	1509 W WALL S						3. API Number	
			MIDLAND, TEX						30-025-TBD	
* Prop	erty Code				Property Na				~W	ell No. 1
				7. St	ırface Lo	cation				
UL - Lot	Section	Township	Range	Lot Idn	Feet fro	m N	S 1.inc	Feet From	E'W Line	County
М	24	245	34E		850	S	DUTH	174	WEST	LEA
				* Propos	ed Botton	Hole Loc	ation			,
UL - Lot	Section	Township	Range	Lot Idn	Feet fro	m N	S Line	Feet From	EW I inc	County
				9. Pc	ool Inforn	nation				
207				Pool	Name					Pool Code
				SWD; I	Delaware					96100
				Addition	al Well I	nformation	ı			
<sup>t1</sup> Wo	ork Type	T	12 Well Type	Addition	13 Cable Ro			14 Lease Type	13 Gro	ound Level Elevation
	N		SWD		R			Private		3,422
	lultiple N		17 Proposed Depth 7,200		18 Format Delawar			19 Contractor TBD		Spud Date ASAP
	to Ground w	oler .	7.200	Distance from	n nearest fresh			stance to nearest sur	rface water	
Lichi	<810.	anci		trounce non	2.963				> 1 mile	
Турс	Hol	e Size	Casing Size	Proposed Ca Casing We		1	ogram g Depth	Sacks of C	Cement	Estimated TOC
Surface	1	7.5"	13.375"	68 lb	/ft	1,450`		907		Surface
Production	12	.25"	9.625"	53.5 lb	b/ <b>N</b>	7,200` 1,8		1,886	6	Surface
				-						
			Casii	ng/Cement Pr	rogram: A	Additional (	Commen	ts		
See attached so	hematic.								***************************************	
			n.	Proposed Bl	owout Pr	evention P	rogram			Section of the Control of the Contro
	Type			Working Pressur	e		Test Pre	ssure		anufacturer
Double	e Hydrualic B	linds, Pipe		5.000 psi			8.000	psi	TBD - Schaffer Cameron	
			n given above is	true and complet	e to the		On	CONSERVAT	TION DIVIS	SION
19.15.14.9 (	rtide that I	nd belief. have complicated applicated to the complication of the	ed with 19.15.14	.9 (A) NMAC [	and/or	Approved E		CONSERVA	TION DIVIS	
Signature: /	in	M								
Printed name						Title:				
Title: Consul						Approved I	ratt.	1 6	xpiration Date:	
	mail Address: chris@lonquist.com ate: 9/24/2019 Phone: 512-600-1764					Conditions	of Approva	l Attached		
Date. 7/24/2	Phone: 312-000-1704									

District 1
16.25 N. Fronch Dr., Hobbs, NN 88340
Phone: (575) 993-6161 Fzix: (575) 393-0720
District II
811.5 Front St., Antonin, NM 88240
Phone: (575) 748-1283 Fzix: (575) 748-9720
District III
1000 Rice Bizaros Road, Articc, NM 87440
Phone: (505) 334-6178 Fzix: (505) 334-6170
District IX
1220 S. St., Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fzix: (505) 476-3462

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

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

AMENDED REPORT

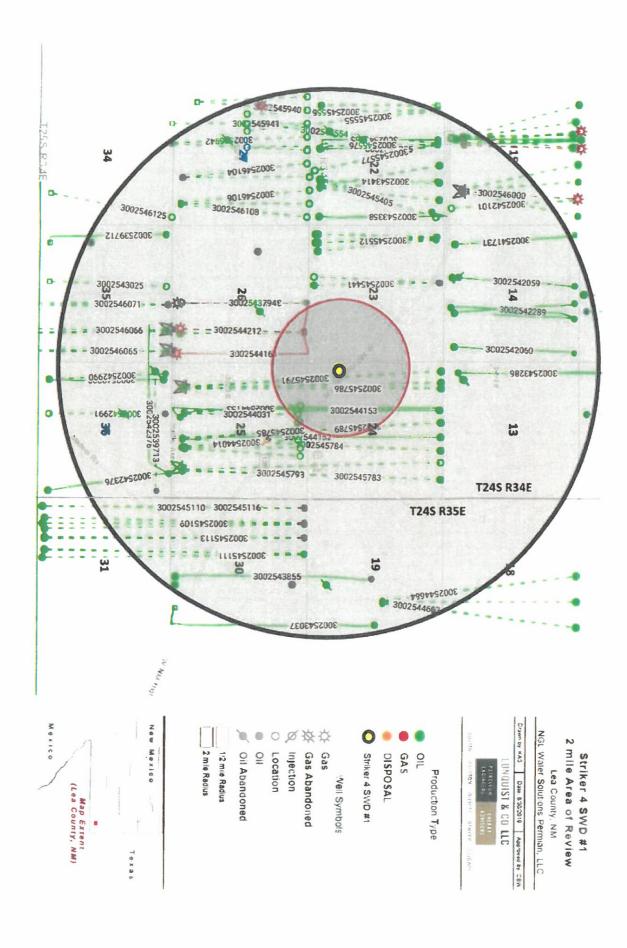
### WELL LOCATION AND ACREAGE DEDICATION PLAT

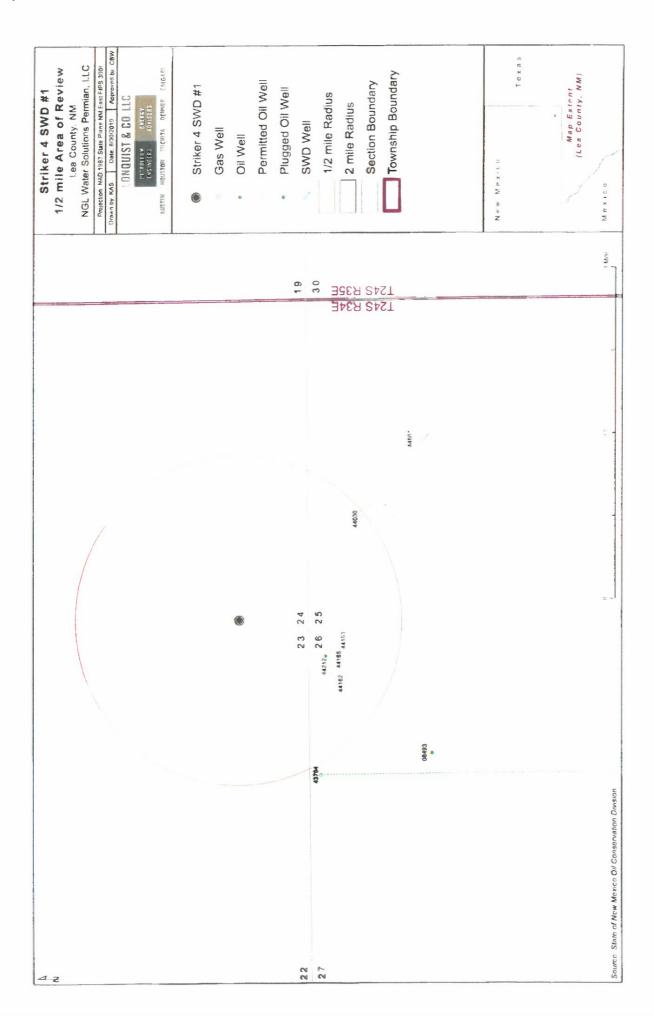
'API Namb							' Pool Name SWD; Delaware			
* Property Code			STRIKER 4 SWD							
OGRID No. 372338		Operator Name NGL WATER SOLUTIONS PERMIAN, LLC					*Elevation 3,422*			
				" Surface	Location					
UL or lot no. Section	n. Section Township Range Lot Idn Feet from the North/South line Feet from the E		East/West line	County						

M SOUTH WEST 24 S 34 E 850 174 LEA 24 "Bottom Hole Location If Different From Surface Feet from the North/South line Feet from the UL or lot no. Lot Idn East/West line County Section Township Range 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.

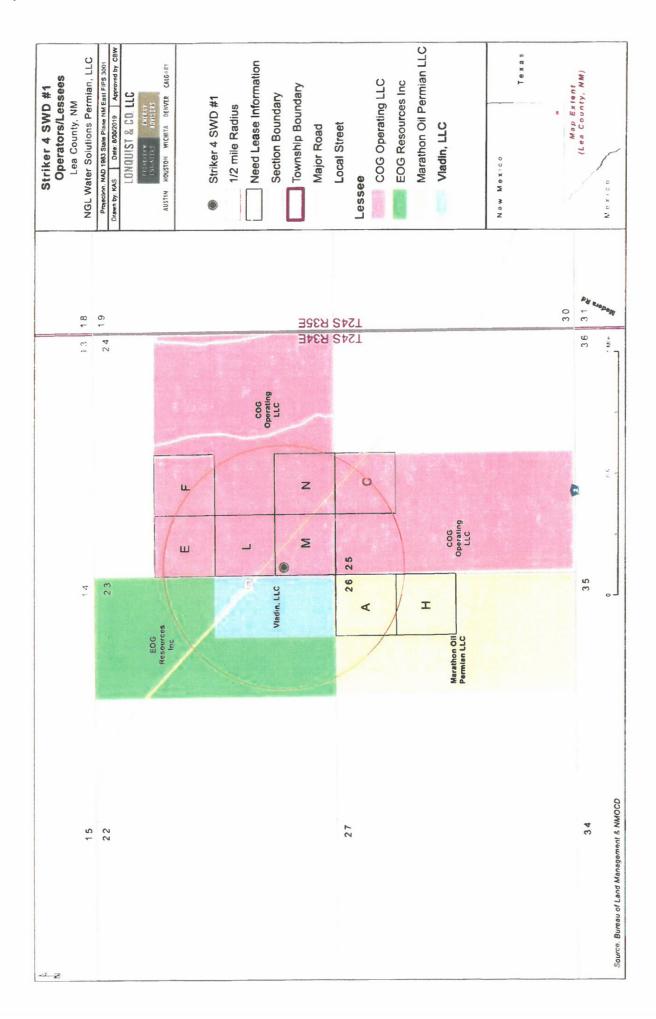




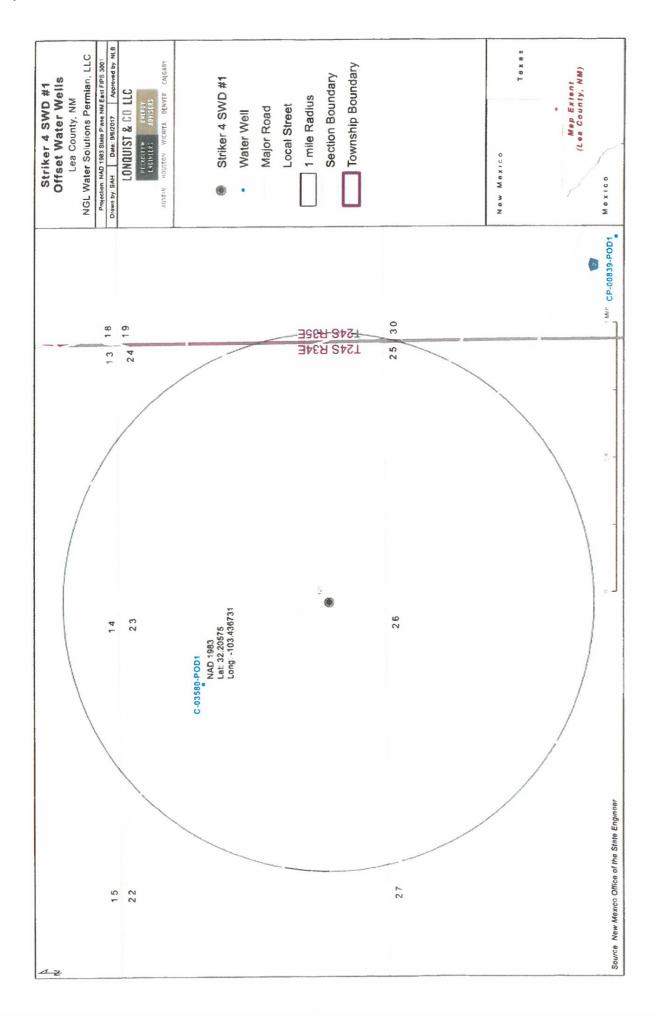


Maile Area of Review Li

Striker & SWD Ro. 1 - 1/2 Mile Area of Revi



					Ste	riker 4 SWD #1: C	Striker 4 SWD #1: Offsetting Produced Water Analysis	d Water Analy	1515					
wellname	301	county	formation	ph 4q	tds_mgL	sodium_mgl	calcium_mgl	iron_mgL	magnesium_mgt	manganese_mgt	chloride_mgt	bicarbonate_mgL	sulfate mgt	co2 mgl
ANTELOPE RIDGE UNIT #00?	3002520444 LEA		ATOKA	6.7	51475						31000	317	340	
BELL LAKE UNIT #009	3002520261 LEA		BONE SPRING		204652						130000	512	260	
THISTLE UNIT #071H	3002542425 Lea		BONE SPRING 1ST SAND	5.6	1714763	55363.2	9140	404	1023	1.1	1045764	246	1 560	770
BELL LAKE 19 STATE #002H	3002541515 Lea		BONE SPRING 2ND SAND	6.2		4/148	6119	15	854		86577	232	2 670	240
BFILLAKE 19 STATE #004H	3002541517 Lea		BONE SPRING 2ND SAND	6.3		47537	0569	11	886	9	3 88389	171	1 650	210
BELL LAKE 19 STATE #001H	3002541024 Lea		BONE SPRING 7ND SAND	7		52/09	8703	25	1020	0.88	113193	145	2007	100
BELL LAKE UNIT A #007	3002508367 LEA	EA	DELAWARE		87686						53920	191	1 749	
BELL LAKE UNIT #002	3002508489 LEA		DELAWARE		57115						32200	0 451	1 529	
MARSHALL #001	3002508358 LEA		DELAWARE		238931						148600	127	7 156	
THISTLE UNIT #017H	3002539893 Lea	.ea	DELAWARE-BRUSHY CANYON	9		89832	22107	15	3443	-	189304		73 200	350
THISTLE UNIT #018H	3002540010 Lea		DELAWARE BRUSHY CANYON	5.7		93485	32643	3.1	4570	3.7	7 195937	73	3 270	330
CUSTER MOUNTAIN UNIT #001	3007520756 LEA	LEA	MORROW		787741						176800	191	1 650	
PRONGHORN AHO FEDERAL #001	3002526496 LEA		STRAWN	5.5			20 1	0	17.7		35.5	5 61.1	48.8	
RELLOO 2 STATE MODE	3001542895 FDDY		WOLFCAMP	8 9	119471 8	37359.2	1 8889 1	22.4	746.1		73177 5		1035.5	250





### New Mexico Office of the State Engineer **Water Right Summary**

WR File Number: C 03580

Subbasin: -

Cross Reference: -

Primary Purpose: EXP EXPLORATION

**Primary Status:** 

**Total Acres:** 

Subfile:

**Total Diversion:** 

Cause/Case: -

INTERCONTINENTAL POTASH CORP

Contact: TOM COPE

File/Act

Documents on File

From/

Doc

2 Transaction Desc.

To

Acres Diversion Consumptive

PMT APR C 03580 (2 BOREHOLES-

0

MIN EXPL)

3 2 23 24S 34E

**Current Points of Diversion** 

(NAD83 UTM in meters)

QQQ Source 6416 4 Sec Tws Rng

X

647336 3564313 ICP-011

Other Location Desc

**POD Number** C 03580 POD1 C 03580 POD2

3 1 24 24S 33E

638123 3563932 ICP-097