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

APPLICATION OF NGL WATER SOLUTIONS PERMIAN, LLC FOR APPROVAL OF SALT WATER DISPOSAL WELL IN LEA COUNTY, NEW MEXICO

Case No. _______ [Original Case No. 16507]

AMENDED 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 NMSA 1978, Section 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 originally submitted its application proposing to drill the Moab SWD #1 in October of 2018. The original application was assigned OCD Case No. 16507.
- 2. NGL is providing this amended application to update the proposed location for drilling the well.
- 3. NGL proposes to drill the Moab SWD #1 well at a surface location 892 feet from the North line and 150 feet from the West line of Section 25, Township 24 South, Range 33 East, NMPM, Lea County, New Mexico for the purpose of operating a salt water disposal well.
- 4. NGL is proposing this change in location to accommodate the operations of an offset oil and gas operator.
- 5. A revised plat, revised map of the area of review, and a revised list of wells and operators within the one-mile area of review are attached hereto as Exhibit A. These materials were provided to the Division by letter dated June 3, 2019.

6. Apart from the change in location, NGL makes no further changes to the application currently on file with the Division in Case No. 16507, a copy of which is attached hereto as Exhibit B.

7. The granting of this application will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

8. Case No. 16507 is currently set on the October 17, 2019 continuance docket.

9. NGL requests that this amended application be consolidated with, and relate back to, the original application and pleadings in Case No. 16507, and that the cases be heard on the November 14, 2019 hearing docket.

WHEREFORE, NGL requests that this application be set for hearing before an Examiner of the Oil Conservation Division on November 14, 2019; and that after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

ABADIE & SCHILL, P.C.

3v:

Lara Katz

Darin C. Savage

214 McKenzie Street

Santa Fe, New Mexico 87501

(970) 385-4401

lara@abadieschill.com

darin@abadieschill.com

Attorneys for NGL Water Solutions Permian, LLC CASE NO. _____ [Original Case No. 16507]: Amended Application of NGL Water Solutions Permian, LLC for approval of salt water disposal well in Lea County, New Mexico. Applicant seeks an order approving disposal into the Silurian-Devonian formation through the Moab SWD #1 well at a surface location 892 feet from the North line and 150 feet from the West line of Section 25, Township 24 South, Range 33 East, NMPM, Lea County, New Mexico for the purpose of operating a salt water disposal well. NGL seeks authority to inject salt water into the Silurian-Devonian formation at a depth of 16,400' – 18,004'. NGL further seeks approval of the use of 7 inch tubing inside the surface and intermediate casings and 5½ inch tubing inside the liner and requests that the Division approve a maximum daily injection rate for the well of 50,000 bbls per day. Said location is approximately 22 miles west of Jal, New Mexico.

LONQUIST & CO. LLC

PETROLEUM **ENGINEERS**

ENERGY **ADVISORS**

AUSTIN - HOUSTON - WICHITA - DENVER - CALGARY

June 3, 2019

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: MOAB SWD NO. 1 AUTHORIZATION TO INJECT

UPDATED 1-MILE AOR and NOTICE PARTY DETERMINATION

NGL WATER SOLUTIONS PERMIAN, LLC

Dear Mr. Goetze:

The proposed Moab SWD No. 1 well location has been relocated from Unit N, Section 24-T24S-R33E to Unit D, Section 25-T24S-R33E to accommodate the operations of an offset oil and gas operator. The new location is shown in the attached C-102.

The 1-Mile AOR evaluated for offset wellbores penetrating the injection formation and to determine notice parties as part of the C-108 Application has been updated for the new location. The revised maps and list are attached. Relocation of the proposed wellbore did not result in any material changes in the AOR.

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

Regards,

John A. Moltz Petroleum Engineer Lonquist & Co., LLC

(720) 221-8654 john.moltz@lonquist.com

EXHIBIT

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

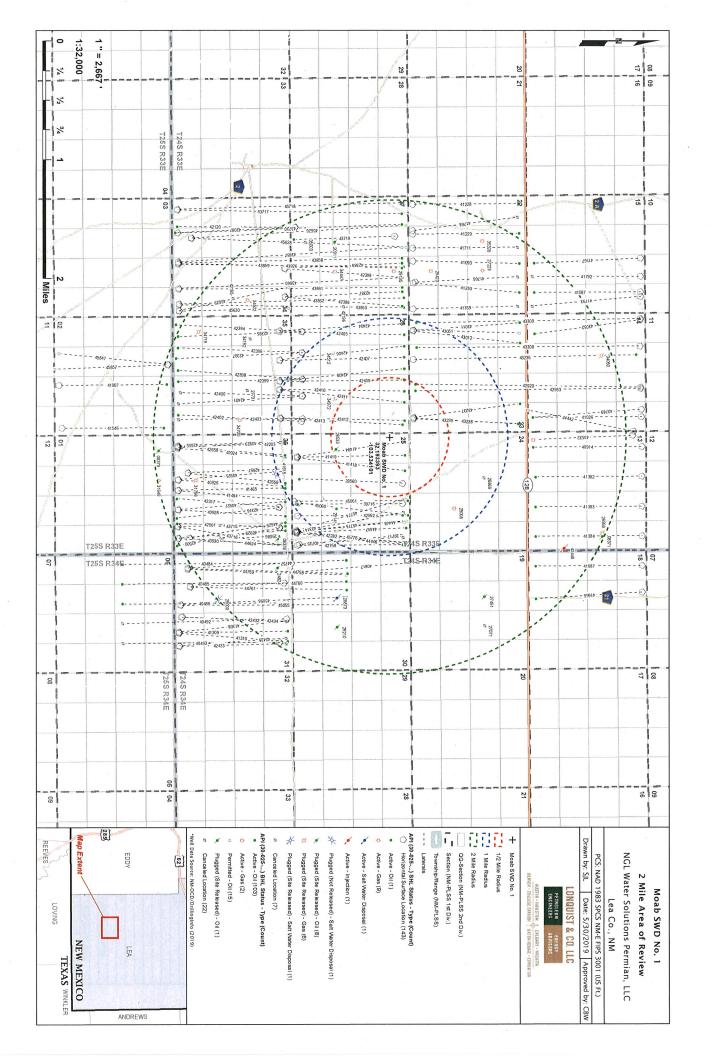
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

✓ AMENDED REPORT

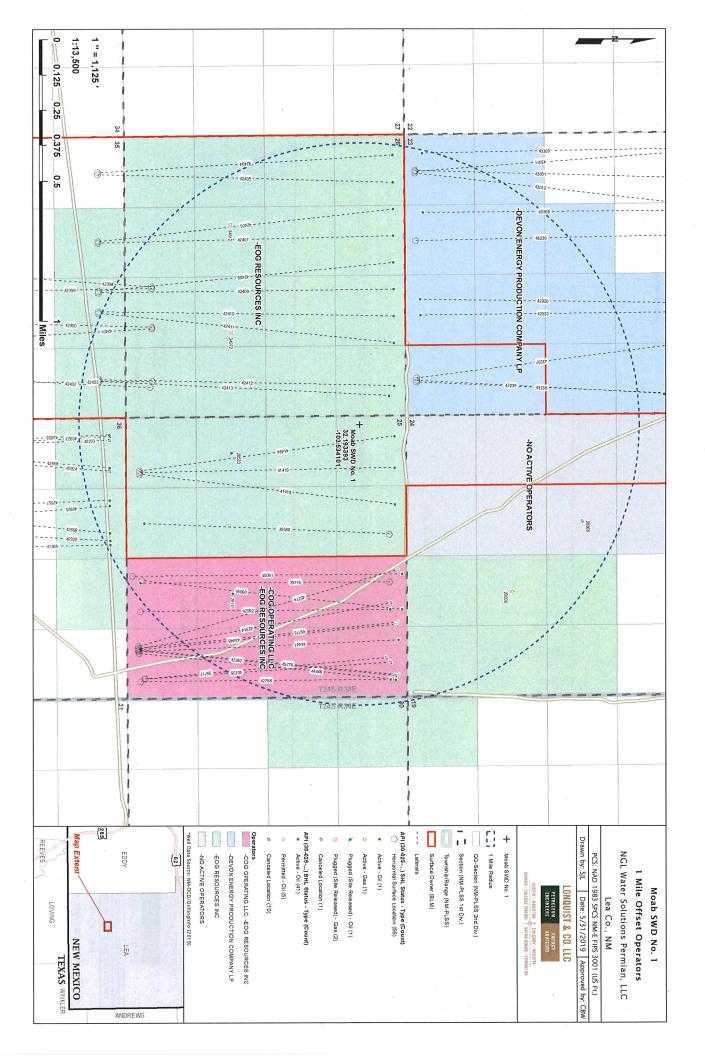
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1	API Numbe	r		² Pool Code			³ Pool Nar	me			
				97869	Wife -		SWD; Devonian	-Silurian			
⁴ Property 0	Code				⁵ Property I MOAB S	Name SWD			6 V	Vell Number 1	
⁷ OGRID 372338				NGL W	⁸ Operator ATER SOLUTION	Name IS PERMIAN, LLC	,	A v		Elevation 572.00'±	
*					¹⁰ Surface]	Location					
UL or lot no. D	Section 25	Township 24 S	Range 33 E	Lot Idn N/A	Feet from the 892'	North/South line NORTH	Feet from the 150'	East WES	t/West line ST	LEA	County
			11 Bo	ttom Ho	le Location I	f Different From	Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Eas	t/West line		County
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16							I hereby certify	that the inform	R CERT	herein is true a	nd complete t
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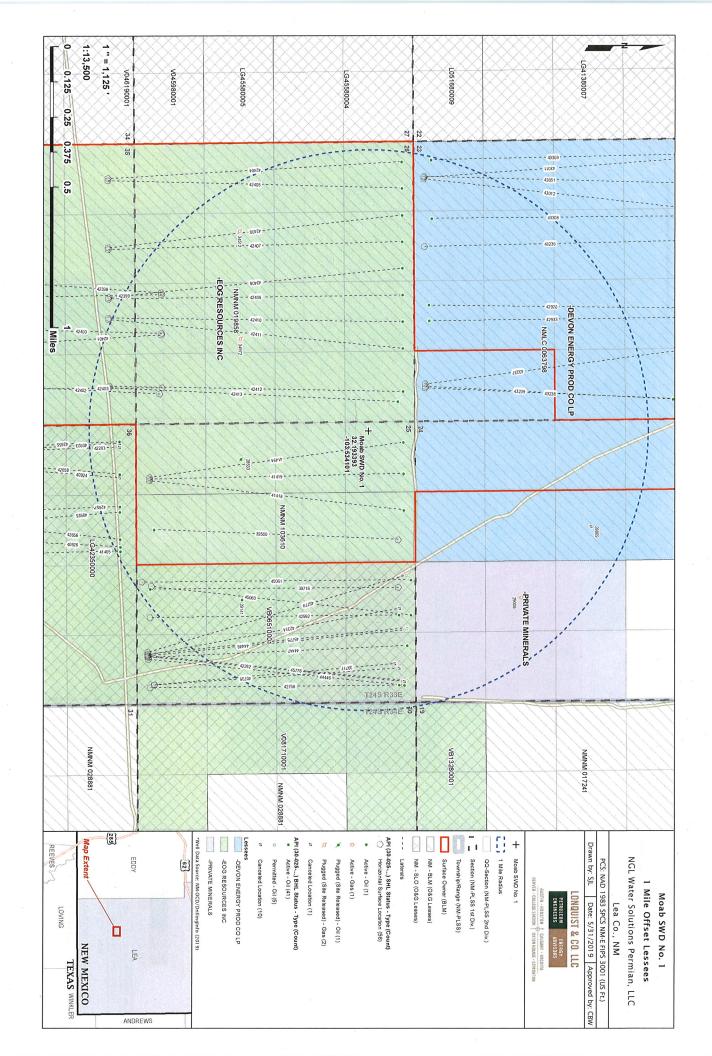
PROPOSED MOAB SWD 1 6/3/2019 NMSP-E (NAD27) Date N: 434,951.21' E: 747,387.09' John Moltz Printed Name NMSP-E (NAD83) N: 435,009.69' E: 788,571.92' john.moltz@lonquist.com Lat: N32'11'36.22" E-mail Address Long: W103'32'02.76" **18SURVEYOR CERTIFICATION SECTION** I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or 25 under my supervision, and that the same is true and correct to the best of my belief. 05/22/19 Date of Survey Signature and Seal of Profession 25114 Certificate Number

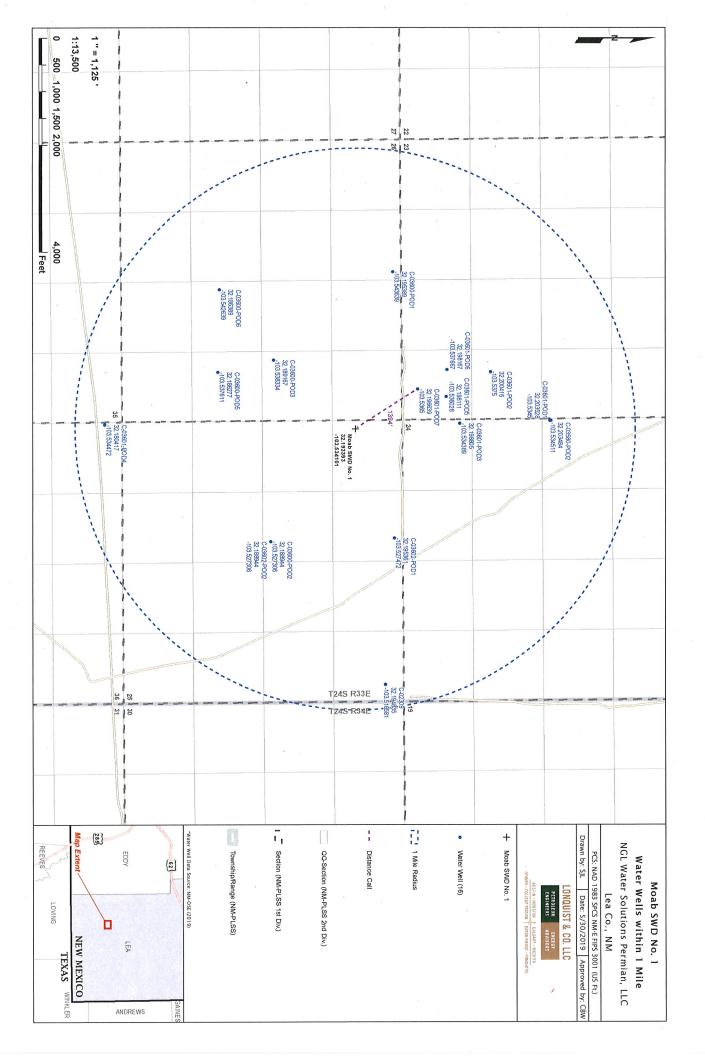


Moab SWD No. 1 1 Mile Area of Review List

			-103.520515700	37.1818959000	>	EOG RESOURCES INC	z	0	RED RAIDER 25 STATE #503H	
MACRIAN CONTROL CONTROL N. N. N. N. N. N. N. N	[96434] RED HILLS, BONE SPRING, NORTH		-103.520621800	32.1818865000	0	EOG RESOURCES INC	z	0	RED RAIDER 25 STATE #502H	45775
MODESTICATION Color PRECISIONALISM Color Col	[96434] RED HILLS, BONE SPRING, NORTH		-103.520727900	32.1818771000	0	EOG RESOURCES INC	z	0	RED RAIDER 25 STATE #501H	45//4
NO. NO.	[98092] WC-025 G-09 S243336I, UPPER WOLFCAMP	10/13/2018	-103.524982100	32.1815893000	12431	EOG RESOURCES INC	. >	0	RED RAIDER 25 STATE #705H	45061
MANAGEMENT STREET, CONTRICTORY CONTRICTO	[98092] WC-025 G-09 S243336I, UPPER WOLFCAMP	10/15/2018	-103.524718400	32.1820840000	12359	EOG RESOURCES INC	Þ	0	RED RAIDER 25 STATE #704H	45060
MANAMENINGER, SERDIALINON, O P	[98092] WC-025 G-09 S243336I, UPPER WOLFCAMP		-103.520515000	32.1818960000	0	EOG RESOURCES INC	z	0	RED RAIDER 25 STATE #703H	44448
MONISTREE_CRISTANCE COLUMN COLUMN	[98092] WC-025 G-09 S243336I, UPPER WOLFCAMP	3/11/2018	-103.520409100	32.1819053000	12373	EOG RESOURCES INC	Α	0	RED RAIDER 25 STATE #702H	44447
NOMES NOME	[98092] WC-025 G-09 S243336I, UPPER WOLFCAMP	3/14/2018	-103.520302900	32.1819145000	12316	EOG RESOURCES INC	Α	0	RED RAIDER 25 STATE #701H	44446
NO. NO.	[96434] RED HILLS, BONE SPRING, NORTH	8/7/2017	-103.550904200	32.2243125000	11451	DEVON ENERGY PRODUCTION COMPANY, LP	Α	0	BOOMSLANG 14 23 FEDERAL #003H	. 43309
MANAGES MONES MONES MONES N. M. M. M. M. M. M. M.	[96434] RED HILLS, BONE SPRING, NORTH	8/18/2017	-103.546969700	32.2242469000	9485	DEVON ENERGY PRODUCTION COMPANY, LP	Þ	0	BOOMSLANG 14 23 FEDERAL #002H	43308
MANAGES MORES STRIBUTATION C PA MACRONING MELL PROMISES NEL 15500 MELL	[96434] RED HILLS, BONE SPRING, NORTH	6/26/2017	-103.536719800	32.1963980000	9408	DEVON ENERGY PRODUCTION COMPANY, LP	Þ	0	BLUE KRAIT 23 FEDERAL #006H	43239
MANAGES RESIDENCIADO, C PRESONEDIRES NECTOR STORES N	[96434] RED HILLS, BONE SPRING, NORTH	6/21/2017	-103.536622800	32.1963981000	11130	DEVON ENERGY PRODUCTION COMPANY, LP	A	0	BLUE KRAIT 23 FEDERAL #004H	43238
MANAGES MORES STREAM, AND C PA PA CORRESTREAM C C C C C C C C C	[96434] RED HILLS, BONE SPRING, NORTH	7/1/2017	-103.536861200	32.1963982000	9399	DEVON ENERGY PRODUCTION COMPANY, LP	Α	0	BLUE KRAIT 23 FEDERAL #003H	43237
MONOSEN MONOSE STRUCTURADINA O C PRECIDENCIA NEL SENSO 2015 SERVINO MATANAS	[96434] RED HILLS, BONE SPRING, NORTH	6/18/2017	-103.545243200	32.1963990000	11851	DEVON ENERGY PRODUCTION COMPANY, LP	Α	0	BLUE KRAIT 23 14 FEDERAL #002H	43236
MANAGEM MORE 3 PRESPUTATION O PRESONARIS IN STREET	[96434] RED HILLS, BONE SPRING, NORTH	,	-103.549509500	32.1963998000	0	DEVON ENERGY PRODUCTION COMPANY, LP	z	0	BLUE KRAIT 23 FEDERAL #010H	43051
MANDERNA NOSE STREEN, NOT. C PRECONCRIS NEC. 15790 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 10.05.5157400 10.7585 13.18570000 13.185700000 13.18570000 13.185700000 13.18570000 13.18570000 13.185700	[96434] RED HILLS, BONE SPRING, NORTH	7/12/2017	-103.549347800	32.1963998000	9398	DEVON ENERGY PRODUCTION COMPANY, LP	Þ	0	BLUE KRAIT 23 14 FEDERAL #005H	43012
MANSEN ANDRE 25 RESIDENT, NO. P. MANUES NECONICES NC. 1970 23 RESPONCE NO. 105 SERSINERO 107 NO. 107	[96434] RED HILLS, BONE SPRING, NORTH	7/8/2017	-103.549444800	32.1963998000	9370	DEVON ENERGY PRODUCTION COMPANY, LP	Þ	0	BLUE KRAIT 23 14 FEDERAL #001H	43011
MANDENN NOBER 1978/1984 NOTE 1978 NOTE 1978/1985	[96434] RED HILLS, BONE SPRING, NORTH	1/21/2017	-103.522837700	32.1819974000	9342	COG OPERATING LLC	Þ	0	RED RAIDER BKS STATE #004H	42992
MANDENA NOSE 2 FRIEDRAM 2011. O P MORRIDORES NC 1958 20 21 200771000 -109 232527400 MAY 1866	[96434] RED HILLS, BONE SPRING, NORTH	7/5/2017	-103.540843200	32.2243151000	11274	DEVON ENERGY PRODUCTION COMPANY, LP	Þ	0	BOOMSLANG 14 23 FEDERAL #004H	42933
MANDENARDEZ STENDEAMONI	[96434] RED HILLS, BONE SPRING, NORTH	7/28/2017	-103.541004700	32.2243153000	9517	DEVON ENERGY PRODUCTION COMPANY, LP	A	0	BOOMSLANG 14 23 FEDERAL #001H	42920
Modern Riber Stricthward O P Riber Riber Stricthward O P Riber Riber Stricthward O P Riber Riber Riber Stricthward O Stricth	[96434] RED HILLS, BONE SPRING, NORTH	9/21/2015	-103.518572000	32.1819897000	9331	COG OPERATING LLC	A	0	RED RAIDER BKS STATE #005H	42758
MANDENARDEZ 55/00004-2001 O	[98092] WC-025 G-09 S243336I, UPPER WOLFCAMP	8/7/2015	-103.532921300	32.1674199600	12495	EOG RESOURCES INC	A	0	DRAGON 36 STATE #705H	42658
MANGER ROEG SERDIAL-BOXI	[98092] WC-025 G-09 \$243336I. UPPER WOLFCAMP	8/19/2015	-103.529173190	32.1686001980	12500	EOG RESOURCES INC	A	0	DRAGON 36 STATE #704H	42657
MANGRA RIDGE JS ENDRAL 2001	[98092] WC-025 G-09 \$243336]. UPPER WOLFCAMP	7/26/2015	-103.529075761	32,1686001320	12475	EOG RESOURCES INC	Þ	0	DRAGON 36 STATE #703H	42656
MANDER ARIOEL 254-MODIL	(98097) WC-075 G-09 \$7433361 UPPER WOLECAMP	7/12/2015	-103.533017400	32.1674203600	15200	EOG RESOURCES INC	Α :	0	DRAGON 36 STATE #706H	42655
MANDER RIGGE 25-FERENAL MODIL O P RECORDINGE NOT 1550 31,18579000 103,5245900 597,1986	(97900) RED HILLS, OFFEN BONE SPANIS SHALE	4/4/2015	-103.53687.000	37 1799619700	9434	EOG RESOLIBOES INC	Þ)	0	HAWK 35 FEDERAL #010H	42413
MAGERA RIDGE ZA FIDERAL MOZIL O P PRECINCARIO WILLLOPERANTICAL 15500 23,128750000 .005.5324,14900 .987,1985	(97900) RED HILLS LIBBED BONE SERVING SHALE	3/10/100/	-103 536917700	32 1799611700	9454	FOG RESOLIBORS INC	Þ ;	0	HAWK 35 FEDERAL #009H	42412
MADERA RIGGE 25-DIRAL BOOL O P DEG RESOURCES NC 13590 23,1897/8000 1,035,253,24590 1,075,253,24490 1,075,253,243,24490 1,075,253,24490 1,075,253,24490 1,075,253,24490 1,075,253,24490 1,075,253,24490 1,075,253,24490 1,075,253,243,24490 1,075,253,244	[97900] RED HILLS, OFFER BONE SPRING SHALE	2/2/2/2	-103.540076780	32.1799522140	9457	EOG RESOLIBOES INC	> >	0	HAWK 35 FEDERAL #COSH	42411
MADERA RIDGE 25-EDIPAL ROD1	[97900] RED MILLS, OFFER BONE STRING SHALE	7/22/2017	-103.542.2010 02.102.542.2010	32.17052260	9434	EOG RESOURCES INC	> 3	0	HAWAY 30 LEGGGAC #COOL	42400
MANSERA RIDGE IS ENERGHAL ROIL O P REGORES DURCES INC 1555 31,1857/9000 103,324/9490 98/1/986 PRE CONA REPORT NELL PORT NEL PORT NELL PORT	[97900] RED HILLS, UPPER BONE SPRING SHALE	5/18/2017	-103.542317540	32.1799529020	9430	EOG RESOURCES INC	> >	0 0	HAWK 35 FEDERAL #COSH	42408
MADERA RIDGE ISTERIDAL ROIL O P RECONARD VIEL DEPEND C 32,2549/2500 20,2549/2500	[97900] RED HILLS, UPPER BONE SPRING SHALE	6/8/2017	-103.545243380	32.1799544540	9420	EOG RESOURCES INC	Þ	0	HAWK 35 FEDERAL #004H	42407
MANDERA RIDGE IS PERDIAL #RO11	[97900] RED HILLS, UPPER BONE SPRING SHALE	6/5/2017	-103.545340810	32.1799545070	9428	EOG RESOURCES INC	A	0	HAWK 35 FEDERAL #003H	42406
MADERA RIDGE IS FIDERAL ROOT O P RECONCAS NCC 13750 23,18575/000 -103,5234/4900 103,5234/4900	[97900] RED HILLS, UPPER BONE SPRING SHALE; [98092] WC-025 G-09 S2433361, UPPER WOLFCAMP	12/20/2017	-103.549413330	32.1799566440	12474	EOG RESOURCES INC	P	0	HAWK 35 FEDERAL #702H	42405
MANDERA RIDGE 25-EDERAL MODIT Q PRECINGARD WILL MODIT	[97900] RED HILLS, UPPER BONE SPRING SHALE; [98092] WC-025 G-09 S2433361, UPPER WOLFCAMP	12/18/2017	-103.549543900	32.1799723000	12431	EOG RESOURCES INC	Þ	0	HAWK 35 FEDERAL #701H	42404
MADERA RIDGE SENDERAL HROOL O C PRE-ONGARD WILL LOPERATION 1550 23,185761000 -103,523424900 197,1984 PRE-ONGARD WILL LOPERATION 1560 23,1207271000 -103,523424900 197,1984 PRE-ONGARD WILL LOPERATION 1560 23,1207271000 -103,52384700 117/1984 PRE-ONGARD WILL LOPERATION 13868 23,1207271000 -103,52384700 117/1984 PRE-ONGARD WILL LOPERATION 13868 23,120727000 -103,52384700 117/1994 PRE-ONGARD WILL LOPERATION 13868 23,120727000 -103,52387300 17/19000 PRE-ONGARD WILL LOPERATION 13868 23,120727000 -103,52387300 17/19000 PRE-ONGARD WILL LOPERATION 13868 23,120727000 -103,52387300 17/19000 PRE-ONGARD WILL LOPERATION 13868 23,120727000 -103,52377300	[97900] RED HILLS, UPPER BONE SPRING SHALE; [98092] WC-025 G-09 S243336I, UPPER WOLFCAMP		-103.536795600	32.1827095600	0	EOG RESOURCES INC	С	0	HAWK 26 FEDERAL #710C	42403
MADERA RIDGE SFREERAL #001	[97900] RED HILLS, UPPER BONE SPRING SHALE; [98092] WC-025 G-09 S243336I, UPPER WOLFCAMP	6/11/2016	-103.536417800	32.1825854000	12569	EOG RESOURCES INC	Þ	0	HAWK 26 FEDERAL #709H	42402
MADERA RIDGE SFREIRAL #001 O PRECNIKARE INC 15750 33,18576200 103,53542490 98/1986	[97900] RED HILLS. UPPER BONE SPRING SHALE: [98092] WC-025 G-09 S2433361 UPPER WOLFCAMP		-103.540010350	32.1827006140	0	EOG RESOURCES INC	0	0	HAWK 26 FEDERAL #708C	42401
MADERA RIDGE 25 FRDERAL #001 O C PRECNAMEN WELL OPERATION O C DAGON 25 5125254200 103 523864700 117/1984 MADERA RIDGE 24 #001 O A PRECNAMEN WELL OPERATING LLC 15800 32.108775200 103 523864700 117/1984 MADERA RIDGE 24 #001 O A PRECNAMEN WELL OPERATING LLC 15800 32.1087752000 103 523864700 37/91/985 MADERA RIDGE 24 #001 O A PRECNAMEN WELL OPERATING LLC 15800 32.1867750000 103 523864700 37/91/985 MADERA RIDGE 24 #001 O A PRECNAMEN WELL OPERATING LLC 13850 32.1867750000 103 523864700 37/91/985 MADERA RIDGE 24 #001 O A PRECNAMEN WELL OPERATING LLC 13850 32.1867752000 117/91/200 MADERA RIDGE 24 #001 O A PRECNAMEN WELL OPERATING LLC 0 32.1867752000 117/91/200 MADERA RIDGE 24 #001 O A COG OPERATING LLC 9454 32.1867752000 117/91/200 MADERA RIDGE 24 #002 O C EOG RESOURCES INC O 32.1867752000 117/91/200 MADERA RISGE 24 #002 O C EOG RESOURCES, INC O 32.1867752000 117/91/200 MADERA RISGE 24 #002 O C EOG RESOURCES, INC O 32.1867752000 117/91/200 MADERA RISGE 24 #002 O C EOG RESOURCES, INC O 32.1877400000 103 52973200 117/91/200 MADERA RISGE 24 #002 O A EOG RESOURCES INC O 32.1877400000 103 52973200 117/91/200 MADERA RISGE 24 #002 MADERA RISGE 24 #0	[97900] RED HILLS, OFFER BONE SPRING SHALE; [98092] WC-025 G-09 5243336] UPPER WOLFCAMP	17/1/1/21	-103.540107790	32.1827006640	0	EOG RESOURCES INC	0 >	0 0	HAWK 26 FEDERAL #007C	42400
MADERA RIDGE SFREERAL #001 O C PRECNAGARO WELL GOT	[97900] RED HILLS, UPPER BONE SPRING SHALE; [98092] WC-025 G-09 52433361, UPPER WOLFCAMP	12/17/2017	-103.5422600	32.162/019230	12546	EOG RESOURCES INC	D 3	0	HAWK 26 FEDERAL #705H	42399
MADERA RIDGE 25 FEDERAL HOOL O P PRECONCATON VILL OPERATORS NO. 20.328767800 105.53234980 9/8/1986	[96434] RED HILLS, BONE SPRING, NORTH; [98092] WC-025 G-09 5243336I, UPPER WOLFCAMP	17/17/2017	-103.520564060	32.1818541562	12539	EOG RESOLIBOES INC	P (, o	HAWK 26 FEDERAL #705H	42314 .
MADERA RIDGE 24 FRODRAL HOOL O PRECONAGE NOVEL DEPRATION 15750 32,186767600 105,3234,4900 9/8/1986	[96434] RED HILLS, BONE SPRING, NORTH; [98092] WC-025 G-09 S243336I, UPPER WOLFCAMP		-103.520466616	32.1818540219	0	COG OPERATING LLC	0	0	RED RAIDER BKS STATE #003C	42282
MADERA RIDGE 25 FEDERAL HOOL O P PRECONCATON NEL DEFEATION O P PRECONCATON NEL DEFEATION O P PRECONCATON NEL DEFEATION O 2.1285757800 .105.52324390 9/8/1865	[97900] RED HILLS, UPPER BONE SPRING SHALE		-103.532862018	32.1674041146	0	EOG RESOURCES INC	0	0	DRAGON 36 STATE #012C	42203
MADERA RIDGE 25 FEDERAL HOOT O P PRECONGROUNCES INC 15750 32,12677500 -105,5232490 9/8/1986 PRECONGROUNCES INC O PRECONGROUNCES INC O 32,12677500 -105,5232490 0 9/8/1986 O 11/1/1984 O PRECONGROUNCES INC O 32,12677500 -105,52324970 11/1/1984 O PRECONGROUNCES INC O 13560 32,12677500 -105,52324970 11/1/1988 O PRECONGROUNCES INC O 13560 32,12677500 -105,52717400 O 11/1/1984 O PRECONGROUNCES INC O 32,12677500 -105,52717400 O 11/1/1984 O PRECONGROUNCES INC O 32,12677500 -105,52717400 O PRECONGROUNCES INC O 32,1267700 -105,52717400 O PRECONGROUNCES INC O 32,126740000 -105,52717400 O D PRECONGROUNCES INC O 32,126740000 -105,52717400 O D PRECONGROUNCES INC O 32,1267400000 -105,52717400 O D PRECONGROUNCES INC O 32,126740000 -105,52717400 O	[96434] RED HILLS, BONE SPRING, NORTH	1/8/2014	-103.531356800	32.1820107000	9453	EOG RESOURCES INC	A	0	HAWK 25 FEDERAL #001H	41494
MADERA RIDGE SFRIDERAL HOOL O P RECONGRES INC 15750 32,28677600 -105,523249500 9/8/1986 PRECONGRAD WILL LOPE AND	[97900] RED HILLS, UPPER BONE SPRING SHALE	12/11/2014	-103.526702900	32.1674042000	9460	EOG RESOURCES INC	Þ	0	DRAGON 36 STATE #009H	41465
MADERA RIDGE 24 FRODERAL HOOL	[96434] RED HILLS, BONE SPRING, NORTH	1/30/2014	-103.531257600	32.1820107000	9453	EOG RESOURCES INC	Þ	0	HAWK 25 FEDERAL #002H	41419
MADERA RIDGE 25 FEDERAL HOOL	1964341 RED HILLS, BONE SPRING, NORTH	2/18/2014	-103.531158400	32.1820107000	9730	EOG RESOURCES INC	>	0	FALCON 25 FEDERAL #002H	41418
MADERA RIDGE 24 FRODER 10 PRECONGRAD WELL OPERATION 0 PRECONGRAD WELL OPERATION 0 PRECONGRAD WELL OPERATION 0 21,20479780 21,20479781 -0105.52324950 9/8/1986 PRECONGRAD WELL OPERATION 0 A EDG RESOURCES INC 15500 32,2017711000 -103.523264700 11/7/1984 PRECONGRAD WELL OPERATION 0 A EDG RESOURCES INC 15500 32,2017711000 -103.523264700 11/7/1984 PRECONGRAD WELL OPERATION 0 A EDG RESOURCES INC 13860 32,186775000 -103.52364700 11/7/1984 PRECONGRAD WELL OPERATION 0 A EDG RESOURCES INC 13860 32,186775000 -103.52717400 11/7/1988 PRECONGRAD WELL OPERATION 0 A EDG RESOURCES INC 13850 32,186775000 -103.52717400 11/7/1988 PRECONGRAD WELL OPERATION 0 A EDG RESOURCES INC 13850 32,186775000 -103.52717400 11/7/1988 PRECONGRAD WELL OPERATION 0 A EDG RESOURCES INC 13850 32,186775000 -103.52717400 11/7/1989 PRECONGRAD WELL OPERATION 0 A EDG RESOURCES INC 9454 32,186732000 -103.52717400 11/7/1989 PRECONGRAD WELL OPERATION 0 21,18778900 -103.518738673 -103.	(97900) RED HILLS, OPPER BONE SPRING SHALE	1/8/2015	-103.528198200	32.1674042000	9460	EOG RESOURCES INC	D 2	0 0	DRAGON 36 STATE #003F	40926
MADERA RIDGE 25 FEDERAL HOOL	[97900] RED HILLS, UPPER BONE SPRING SHALE	10/04/0014	-103.5326/6/00	32.16/4080000	2464	EOG RESOURCES INC	> (0 0	DRAGON 36 STATE #002C	40924
MADERA RIDGE 24 FROD	[97900] RED HILLS, UPPER BONE SPRING SHALE		-103.532775900	32.1674080000	0	EOG RESOURCES INC	0	0	DRAGON 36 STATE #001C	40923
MADERA RIDGE 24 #001 O P PRECONGARO WELL OPERATION O PRECONGARO WELL OPERATION O PRECONGARO WELL OPERATION O C PRECONGARO WELL OPERATION O MA C PRECONGARO WELL OPERATION O MA C PRECONGARO WELL OPERATION O C PRECONGARO WELL OPERATION O MA C PRECONGARO WELL OPERATION O PRECONGARO WELL OPERATI	[96434] RED HILLS, BONE SPRING, NORTH		-103.518728927	32.1822089824	0	EOG Y RESOURCES, INC.	C	0	RED RAIDER BKS STATE #003C	40735
MADERA RIDGE SFRIDERAL HOOT O P RECONGRAD WELL OPERATOR 15750 32,24977781 -015.52324950 9/8/1986	[96434] RED HILLS, BONE SPRING, NORTH		-103.518738673	32.1822172425	0	EOG Y RESOURCES, INC.	С	0	RED RAIDER BKS STATE #003C	39717
MAGERA RIDGE SFEDERAL HOOL O P BOG RESOURCES INC 13500 32,186795000 103,52324900 9/8/1986	[96434] RED HILLS, BONE SPRING, NORTH	4/1/2010	-103.524513200	32.1949234000	9455	COG OPERATING LLC	Þ	0	RED RAIDER BKS STATE #002H	39716
MAGERA RIDGE SENDERAL HOOT O P BOG RESOURCES INC 15750 32.1867/57000 105.52324/8900 9/8/1986	[96434] RED HILLS, BONE SPRING, NORTH	11/30/2009	-103.527412400	32.1949272000	9444	EOG RESOURCES INC	A	0	FALCON 25 FEDERAL #001	39560
MAGERA RIDGE SENDERAL HOOT O P BOG RESOURCES INC 15750 32,1867576000 105.532344950 9/8/1986	[79335] JOHNSON RANCH, WOLFCAMP (GAS)	11/8/1998	-103.546302800	32.1867790000	13850	EOG RESOURCES INC	0 0	a 6	TRISTE DRAW 26 FEDERAL #002	34512
MADERA RIDGE 24 #001 G A EGG RESOURCES INC 1590 32.286797000 -005.52324900 9/8/1986	[96434] RED HILLS, BONE SPRING, NORTH	3/29/1985	-103.523864700	32.1867561000	15360	COG OPERATING LLC	Þ	0	RED RAIDER BKS STATE #001	29141
MADERA RIDGE 25 FEDERAL #001 0 P EDG RESOURCES INC 15750 32.1867678000 103.532424900 9/8/1986 PRE-ONG-ARD WELL #001 0 C PRE-ONG-ARD WELL OPERATOR 0 32.2049075781 -103.528132144	[82927] PITCHFORK RANCH, ATOKA, WEST (GAS); [96434] RED HILLS, BONE SPRING, NORTH	11/7/1984	-103.523864700	32.2012711000	15600	EOG RESOURCES INC	Þ	6	MADERA RIDGE 24 #001	29008
MADERA RIDGE 25 FEDERAL #001 0 P EOG RESOURCES INC 15750 32.1867676000 -103.532424900 9/8/1986			-103.528132144	32.2049075781	Ш	PRE-ONGARD WELL OPERATOR	C	0	PRE-ONGARD WELL#001	28869
	[82950] PITCHFORK RANCH, WOLFCAMP, W (GAS); [96434] RED HILLS, BONE SPRING, NORTH	9/8/1986	-103.532424900	32.1867676000	15750	EOG RESOURCES INC	P	0	MADERA RIDGE 25 FEDERAL #001	28533







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 (in the revised location of the proposed <u>Moab SWD</u> <u>#1</u>) and any underground sources of drinking water.

NAME: John C. Webb

TITLE: Sr. Geologist

SIGNATURE: John CWeft

DATE: June 4, 2019

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

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

CASE NO. 16507

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 Moab SWD #1 well at a surface location 255 feet from the South line and 1,538 feet from the West line of Section 24, Township 24 South, Range 33 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 Siluro-Devonian formation at a depth of 16,400' 18,004'.
- (3) NGL further seeks approval of the use of 7 inch tubing inside the surface and intermediate casings and 5 ½ inch tubing inside the liner and requests that the Division approve a maximum daily injection rate for the well of 50,000 bbls per day.
- (4) NGL anticipates using an average pressure of 2,460 psi for this well, and it requests that a maximum pressure of 3,280 psi be approved for the well.
 - (5) A proposed C-108 for the subject well is attached hereto in Attachment A.

EXHIBIT

Sign B

(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 November 1, 2018; and that after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

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

By:

Jennifer Braofute

Deana Bennett

Post Office Box 2168
Bank of America Centre

500 Fourth Street NW, Suite 1000

Albuquerque, New Mexico 87103-2168

Telephone: 505.848.1800 Attorneys for Applicant

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Vell Name: MOAB OOI: SWD; SILURIAN			***************************************	API: TBD
001. <u>0003,000000000</u>	DE VOITAIN		- 1 · M	Pool Code: 96101
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Note	: Statement must be compl	eted by an in	dividual with ma	anagerial and/or supervisory capacity.
-				09/25/2018
HRIS WEYAND			,	Date
int or Type Name				512-600-1764
1-1				Phone Number
to the second				CHRIS@LONQUIST.COM
daeture \	k	EXHIBI	Т	e-mail Address

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

1.	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, TX 79701
	CONTACT PARTY: <u>SARAH JORDAN</u> PHONE: (432) 685-0005 x 1989
111.	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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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)
*XL	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.
ХШ.	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: 7 24 2018
k	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 easing 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: MOAB SWD #1

WELL LOCATION: 255 FSL & 1,538' FWL	Z	24	24S	33E
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELLBORE SCHEMATIC		WELL CONST	VELL CONSTRUCTION DATA Surface Casing	1

	<u>ئــ</u> '				ft.		
Casing Size: 20.000"	07	Method Determined: Circulation	1st Intermediate Casing	Casing Size: 13.375"	or.	Method Determined: Circulation	2 nd Intermediate Casing
Hole Size: <u>24.000"</u>	Cemented with: 1.602 sx.	Top of Cement: Surface		Hole Size: 17.500"	Cemented with: 3,113 sx.	Top of Cernent: Surface	

Method Determined: Circulation

Casing Size: 9.625"

OF

Cemented with: 3,268 sx.

Hole Size: 12.250"

Top of Cement: Surface

Production Liner

Hole Size: 8.500"

Cemented with: 318 sx.

Casing Size: 7.625"

01.

ييني"

Method Determined: Calculation

Top of Cement: 11,900

Total Depth: 18,004

Injection Interval

16,400 feet to 18,004 feet

(Open Hole)

INJECTION WELL DATA SHEET

Tubing Size: 7", 26 lb/ft, P-110, TCPC from 0'-11,800' and 5.500", 17 lb/ft, P-110 TCPC from 11,800' - 16,380' Lining Material: Duoline

Type of Packer: 7-5/8" x 5-1/2" TCPC Permanent Packer with High Temp Elastomer and Full Inconel

Packer Setting Depth: 16,380'

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

Additional Data

Is this a new well drilled for injection?

X Yes

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

Name of the Injection Formation: <u>Devonian, Silurian, Fusselman and Montova (Top 100</u>°)

- Name of Field or Pool (if applicable): SWD; Silurian-Devonian
- 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
- Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Ś

Bone Spring: 9,2057

Wolfcamp: 12,187

Atoka: 13,984°

Morrow: 14,470

NGL Water Solutions Permian, LLC

Moab SWD No. 1

FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1.

Well i	information
Lease Name	Moab SWD
Well No.	1
Location	S-24 T-24S R-33E
Footage Location	255' FSL & 1,538' FWL

2.

a. Wellbore Description

		Casing Inforn	nation	
Туре	Surface	Intermediate	Production	Liner
OD	20"	13.375"	9.625"	7.625"
WT	0.438"	0.480"	0.545"	0.500"
ID	19.124"	12.415"	8.535"	6.625"
Drift ID	18.937"	12.259"	8.535"	6.500"
COD	21.00"	14.375"	10.625"	7.625"
Weight	94 lb/ft	68 lb/ft	53.5 lb/ft	39 lb/ft
Grade	J-55	L80	HCL-80	Q-125
Hole Size	24"	17.5"	12.25"	8.5"
Depth Set	1,260′	5,225′	12,400'	16,400'

b. Cementing Program

	5	Cement Info	rmation	
Casing String	Surface	Intermediate	Production	Liner
Lead Cement	С	С	H,H,C	Н
Lead Cement Volume	685	1,659	Stage 1: 553 sks Stage 2: 779 sks Stage 3: 773 sks	81
Tail Cement	. C	С	H,H,C	Н
Tail Cement Volume	917	1,454	Stage 1: 471 sks Stage 2: 295 sks Stage 3: 397 sks	237
Cement Excess	25%	15%	25%, 25%, 0%	10%
TOC	Surface	Surface	Surface	11,900'
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Logged

3. Tubing Description

	Tubing Informat	ion
OD	7"	5.5"
WT	0.362"	0.304"
ID	6.276"	4.892"
Drift ID	7.875"	6.050"
COD	6.151"	4.767"
Weight	26 lb/ft	17 lb/ft
Grade	P-110 TCPC	P-110 TCPC
Depth Set	0'-11,800'	11,800'-
Deptil Set	0 -11,800	16,380'

Tubing will be lined with Duoline.

4. Packer Description

7-5/8" x 5-1/2" TCPC Permanent Packer with High Temp Elastomer and Full Inconel

B. Completion Information

- 1. Injection Formation: Devonian, Silurian, Fusselman, Montoya (Top 100')
- 2. Gross Injection Interval: 16,400' 18,004'

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
Bone Spring	9,205'
Wolfcamp	12,187'
Atoka	13,984'
Morrow	14,470′

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: 40,000 BPD Maximum Volume: 50,000 BPD

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

Average Injection Pressure: 2,460 PSI (surface pressure)
Maximum Injection Pressure: 3,280 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 Atoka, Bone Spring, Delaware, and Wolfcamp formations. Water is expected to be predominantly sourced from the Bone Spring and Wolfcamp 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	1,248′		
Salado	1,814′		
Delaware	5,278′		
Bone Spring	9,205′		
Wolfcamp	12,187'		
Strawn	13,788′		
Atoka	13,984′		
Morrow	14,470'		
Mississippian Lime	15,760′		
Woodford	16,165'		
Devonian	16,380′		

B. Underground Sources of Drinking Water

Within 1-mile of the proposed Moab SWD #1 location, there are multiple water wells with depths ranging from 95 ft to 550 ft (average 360 ft) and water depths ranging from 81 ft to 575 ft (average 229 ft). These wells are generally producing from the Santa Rosa formation, but the upper Rustler formation may be another USDW, which will be protected.

IX. Proposed Stimulation Program

Stimulate with up to 50,000 gallons of acid.

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

There are multiple water wells that exist within one mile of the well location, but none of the wells are active and available for sampling. A map and Water Right Summaries from the New Mexico Office of the State Engineer are attached for wells C-03600 POD 1,2,3 and C-03601-POD 1.

District 1 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) 743-1283 Fax (575) 748-9720 District III Phone (505) 334-6178 Fax (505) 334-6170 District IX 1220 S. Sr. Francis Dr., Sania Fe, NM 87505 Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico

Form C-101 Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

☐AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

Operator Name and Address						⁴ OGRID Number 372338				
NGL WATER SOLUTIONS PERMIAN, LLC 1509 W WALL ST, STE 306 MIDLAND. TX 79701								API Number TBD		
1 Property Code Property MOAB S					Name ND		2 2 5 2	° W	ell No 1	
				¹ Surface Lo	-1, 7, 1					
UL - Lot	Section	Township	Range	Lot Idn Feet fr	om N	/S Line	Feet From	E/W Line	County	
N.	24	248	33E	N/A 255	S	оитн	1,538	WEST	LEA	
				* Proposed Botton	m Hole Loc	ation				
Ul Lot	U1 Lot Section Township Range			Lot Idn Feet fr	from N/S Line		Feet From	E/W Line	County	
		-		, Pool Infor	mation			*	1	
				Pool Name	mation				Pool Code	
			*	SWD; Silurian-Devonian					96101	
				A 3144 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
11 Worl	Туре		12 Well Type	Additional Well I			Lease Type	¹³ Grou	and Level Elevation	
N			SWD	Private		3,570				
¹⁶ Mu N			17 Proposed Depth 18,004	11 Forma Siluro-Dev			Contractor TBD	5" Spud Date ASAP		
	o Ground wa	ter	10,004	Distance from nearest fresh				stance to nearest surf		
	229.	. 10 1		718'		> 1 mile			acc water	
]We will be	using a c	losed-loop	ystem in lieu of	lined pits						
		· ·		Proposed Casing and	Coment Pr	oáram				
Typa	Ual	Size			1		S166		r	
Type Surface		4"	Casing Size	Casing Weight/ft 94 lb/ft		g Depth 260'	Sacks of C		Estimated TOC Surface	
Intermediate		.5"	13.375"	68 lb/fl	5,225'		3,113		Surface	
Production		25"	9.625"	53.5 lb/fl	12,400		3,268		Surface	
Prod. Liner	8.	5"	7.625"	39 lb/fl	16,400'		318		11,900`	
Tubing	N	/A	7	26 lb/ft	0'-11,800'		N/A		N/A	
Tubing	N	/A	5.5"	17 lb/ft	11,800' - 16,380'		N/A		N/A	
			Casing	g/Cement Program: A	Additional (Comments				
ee ansched sche	matic.									
			n]	Proposed Blowout Pro	evention Pr	ogram				
	Туре			Test Pressure		Manufacturer				
Double I	ly drualic/Bli	nds, Pipe	Working Pressure		8,000 psi		TBD - Schaffer Carneron			
										
1 hereby cert	ify that the	information	given above is true	and complete to the best	r			-		
of my knowledge and belief.					OIL CONSERVATION DIVISION					
l further certify that I have compled with 19.15.14.9 (A) NMAC 🔲 and/or 19.15.14.9 (B)A/MAC 🔀 if applicable.					Approved By					
ignature:	4-									
-b		1	* ***, * *****************************		771					
rinted name Christopher B Weyand					Title: Approved Date: Expiration Date.					
Title Consulting Engineer						ate:	Ex	piration Date.		
	chris Tolo	nouist com			1					
-mail Address	Ciuis a 10		T							

District 1
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 Rto Brazos Road, Artec, NM 87410
Phone: (595) 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

API Number

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

Form C-10 Revised August I 201 Submit one copy to appropriat District Offic

☐ AMENDED REPOR

WEL	L LUCATION AND	ACREAGE DEDICATION PLAT
	* Pool Code 96101	' Pool Name SWD; Silurian-Devonian

				96101	1	51	WD; Silurian-	Devonian			
⁴ Property Code			⁵ Property Name MOAB SWD						* Well Number		
OGRID No. 372338		" Operator Name NGL WATER SOLUTIONS							'Elevation 3570.00"±		
					" Surface I	ocation		***************************************			
UL or lot no. N	Section 24	Township 24 S	Range 33 E	Let Idn N/A	Feet from the 255	North/South line SOUTH	Feet from the 1538'	East/West line WEST	LEA		
			"Bo	ttom Ho	le Location If	Different From	Surface				
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	Cou		
12 Dedicated Acres	13 Joint o	rÎnfill "C	ousolidation (Code 15 Or	der No.		J				

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.

14			"OPERATOR CERTIFICATION I herety certify that the information contained herein is true and complete the best of my knowledge and belief, and that this organization either owns working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drift his well at this locatio pursuant to a contract with an owner of such a mineral or working laserest or to a voluntary pooling egreenment or a compulsory pooling order layttofore auternal by the districts
	SECTION 24		Signature 9/24/2018 Chris Weyand Printed Name chris@lonquist.com E-mail Address
		PROPOSEO MOAB SWD 1 NMSP-E (NAD27) N: 436,175.08' E: 748,910.40' NMSP-E (NAD83) N: 436,233.59' E: 790,095.18' Lat: N32'11'48.21' Long: W103'31'44.93'	"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 hylief
1538'	2255		Signature and Scalof Professional Surveyor Certificate Number



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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag

POD Number

Q64 Q16 Q4 Sec Tws Rng

X

C 03600 POD1

1 26 24S 33E

637275 3563023

Driller License: 1186

Driller Company: ENVIRO-DRILL, INC.

Driller Name:

RODNEY HAMMER

Drill Start Date: 01/07/2013

Drill Finish Date:

01/07/2013

Plug Date:

Log File Date:

01/30/2013

PCW Rcv Date:

Source:

Shallow **Estimated Yield:**

Pump Type:

Pipe Discharge Size:

Depth Water:

Casing Size:

Depth Well:



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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag

POD Number C 03600 POD2

Q64 Q16 Q4 Sec Tws Rng

X

1 25 24S 33E

638824 3562329

Driller License: 1186

Driller Company: ENVIRO-DRILL, INC.

Driller Name:

RODNEY HAMMER

Drill Start Date: 01/07/2013

Drill Finish Date:

01/08/2013

Plug Date:

Log File Date:

01/30/2013

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:



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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag

POD Number

Q64 Q16 Q4 Sec Tws Rng

X

C 03600 POD3

2 26 24S 33E

637784 3562340

Driller License: 1186

Driller Company: ENVIRO-DRILL, INC.

Driller Name:

RODNEY HAMMER

Drill Start Date: 01/16/2013

Drill Finish Date:

01/16/2013

Plug Date:

Log File Date:

01/30/2013

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Shallow

Casing Size:

Depth Well:

Depth Water:



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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag

POD Number

Q64 Q16 Q4 Sec Tws Rng

X

C 03601 POD1

2 23 24S 33E

638124 3563937

Driller License: 1186

Driller Company: ENVIRO-DRILL, INC.

Driller Name:

RODNEY HAMMER

Drill Start Date:

12/21/2012

Drill Finish Date:

12/21/2012

Plug Date:

Log File Date:

01/08/2013

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water: