

**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

Form C-101  
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

DEC 19 2018  
RECEIVED

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 1509 W WALL ST, STE 306 MIDLAND, TX 79701		2. OGRID Number 372338
4. Property Code 322410		3. API Number 30-025-45427
3. Property Name SIDEWINDER 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
O	15	25S	34E	N/A	1755'	NORTH	18'	EAST	LEA

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 97869
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Additional Well Information

11. Work Type N	12. Well Type SWD	13. Cable/Rotary R	14. Lease Type Private	15. Ground Level Elevation 3,330'
16. Multiple N	17. Proposed Depth 19,067'	18. Formation Siluro-Devonian	19. Contractor TBD	20. Spud Date ASAP
Depth to Ground water 135'		Distance from nearest fresh water well 2,303'		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	24"	20"	106.5 lb/ft	920'	1,236	Surface
Intermediate	17.5"	13.375"	68 lb/ft	5,200'	2,154	Surface
Production	12.25"	9.625"	53.5 lb/ft	12,400'	2,789	Surface
Prod. Liner	8.5"	7.625"	39 lb/ft	17,157'	335	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' - 17,107'	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	10,000 psi	8,000 psi	TBD - Schaffer/Cameron

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  and/or 19.15.14.9 (B) NMAC , if applicable.

Signature:

Printed name: Christopher B. Weyand

Title: Consulting Engineer

E-mail Address: chris@lonquist.com

Date: 12/18/2018

Phone: (512) 600-1764

OIL CONSERVATION DIVISION

Approved By:

Title:

Petroleum Engineer

Approved Date: 12/18/18

Expiration Date: 12/19/20

Conditions of Approval Attached

See Attached

Conditions of Approval

**CONDITIONS OF APPROVAL**

<b>API #</b>	<b>Operator</b>	<b>Well name &amp; Number</b>
30-025-45427	NGL Water Solutions Permian	Sidewinder SWD # 001

Applicable conditions of approval marked with XXXXXX

**Administrative Orders Required**

XXXXXXXX	Review administrative order when approved for additional conditions of approval

**Other wells**

**Casing**

XXXXXXXX	SURFACE, INTERMEDIATE(1) & PRODUCTION CASING - Cement must circulate to surface -- Liner(1) Cement come to top of liner
XXXXXXXX	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water

**Lost Circulation**

XXXXXXXX	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186

**Water flows**

XXXXXXXX	Must notify OCD Hobbs Office of any water flow in the Salado formation at 575-370-3186. Report depth and flow rate.

**Stage Tool**

XXXXXXXX	Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186
XXXXXXXX	If using Stage Tool on Surface casing, Stage Tool must be greater than 350' and a minimum 200 feet above surface shoe.
XXXXXXXX	When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.

**Completion & Production**

XXXXXXXX	Will require a deviational survey with the C-105
XXXXXXXX	Must notify Hobbs OCD office prior to conducting MIT (575) 393-6161 ext. 114
XXXXXXXX	Must conduct & pass MIT prior to any injection
XXXXXXXX	May not inject prior to C-108 approval (SWD order approval)
XXXXXXXX	Approval of this APD does not guarantee approval of C-108
XXXXXXXX	Approval of this APD does not approve your tubing sizes. Please see SWD order for approved tubing sizes.
XXXXXXXX	Must conduct & pass MIT prior to any injection
XXXXXXXX	If C-108 and/or SWD order is not approved and well has been drilled, the well must be plugged within 90 days of denial of your C-108