

**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

Form C-101  
Revised July 18, 2013

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

RECEIVED  
JUN 10 2019

☐ AMENDED REPORT

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

Operator Name and Address NGL WATER SOLUTIONS PERMIAN, LLC 1509 W WALL ST, STE 306 MIDLAND, TX 79701		OGRID Number 372338
Property Code 322409	Property Name MCCLOY CENTRAL SWD	Well No. 30-025-46109

**Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	24	24S	32E	N/A	762'	NORTH	383'	EAST	LEA

**Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	24	24S	32E	N/A	762'	NORTH	256'	EAST	LEA

**Pool Information**

Pool Name SWD: Devonian-Silurian	Pool Code 97869
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**Additional Well Information**

<sup>11</sup> Work Type N	<sup>12</sup> Well Type SWD	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Private	<sup>15</sup> Ground Level Elevation 3,565'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 17,809'	<sup>18</sup> Formation Siluro-Devonian	<sup>19</sup> Contractor TBD	<sup>20</sup> Spud Date ASAP
Depth to Ground water 374'		Distance from nearest fresh water well > 1 mile		Distance to nearest surface water > 1 mile

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

**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	1,250'	1,555	Surface
Intermediate	17.5"	13.375"	68 lb/ft	4,950'	2,465	Surface
Production	12.25"	9.625"	53.5 lb/ft	12,300'	2,909	Surface
Prod. Liner	8.5"	7.625"	39 lb/ft	17,424'	391	11,800
Tubing	N/A	7"	26 lb/ft	0' - 11,700'	N/A	N/A
Tubing	N/A	5.5"	17 lb/ft	11,700' - 17,380'	N/A	N/A

**Casing/Cement Program: Additional Comments**

See attached schematic

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/Blinds, Pipe	10,000 psi	8,000 psi	TBD - Schaffer/Cameron

<sup>21</sup> 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: John Moltz

Title: Consulting Engineer

E-mail Address: john.moltz@longquist.com

Date: 06/03/2019

Phone: (720) 221-8654

**OIL CONSERVATION DIVISION**

Approved By:

Title: **Petroleum Engineer**

Approved Date: 06/13/19

Expiration Date: 06/13/21

Conditions of Approval Attached

**See Attached  
Conditions of Approval**

# CONDITIONS OF APPROVAL

API #	Operator	Well name & Number
30-025-46109	NGL Water Solutions Permian	MCCLOY CENTRAL SWD # 001

Applicable conditions of approval marked with XXXXXX

## Administrative Orders Required

XXXXXXX	Review order R-20322 for additional conditions of approval

## Other wells

## Casing

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

## Lost Circulation

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

## Water flows

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

## Stage Tool

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

## Completion & Production

XXXXXXX	Will require a directional drill survey with the C-105
XXXXXXX	Must notify Hobbs OCD office prior to conducting MIT (575) 393-6161 ext. 114
XXXXXXX	Must conduct & pass MIT prior to any injection
XXXXXXX	Approval of this APD does not approve your tubing sizes. Please see SWD order for approved tubing sizes.
XXXXXXX	Must conduct & pass MIT prior to any injection