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Submit 1 Copy To Appropriate District Office

State of New Mexico

Form C-103

District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88401  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

JUN 13 2019

Energy, Minerals and Natural Resources

Revised July 18, 2013

**EMNRD-000ARTESIA**

REGISTRATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-015-44530
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Alpha SWD
8. Well Number 2
9. OGRID Number 372338
10. Pool name or Wildcat SWD: Silurian-Devonian

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☒ SWD2. Name of Operator  
NGL Water Solutions Permian LLC3. Address of Operator  
1509 W Wall St, Suite 306, Midland, TX 79701

4. Well Location  
Unit Letter C : 353 feet from the North line and 2398 feet from the West line  
Section 18 Township 23S Range 28E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3051 GR

## 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB. ☐

Completions Operations

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date

11/1/2018 R/U casing crews and run injection string consisting of 121 jts (5,157') of 5-1/2" 17# P110 TCPC and 339 jts (8,383') of 7" 26# P110 LTC Duoline internally coated pipe. The permanent packer set at a depth of 13,540' Pipe was ran with rig. 11/30/2018- Acid Job conducted consisting of 60,000 gal (1,428.6 bbls) of 20% HCl fluid.

11/6/18 Mechanical Integrity Test was conducted and witnessed by Gilbert Cordero at the NMOCD Artesia office.

Spud Date:

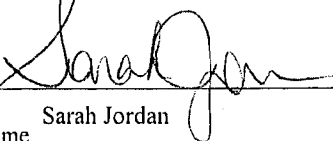
9/16/18

Rig Release Date:

11/2/18

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE



Manager of Reg Compliance

TITLE

DATE

3.7.19

Type or print name Sarah Jordan

E-mail address: sarah.jordan@nglep.com

PHONE: 432/685-0005

For State Use Only

APPROVED BY:

Accepted for record  
NMOCD

TITLE

duplicate

DATE

Conditions of Approval (if any):



ALPHA SWD #2



TUBULARS						WELL INFORMATION		DIRECTIONS TO SITE	PROPOSED INJECTION INTERVAL
STRING DETAILS (Size, WPF, Grade, Conn)	HOLE SIZE (in.)	O.D. (in.)	I.D. (in.)	HOLE DEPTH (ft)	SET DEPTH (ft)	RIG: Frontier #32		From Carlsbad, NM: Head south on Hwy 285 travel 10 miles, turn left onto Carrasco Rural Road and location will be on left (south) side 1/4 mile.	Permitted Injection Interval: Silurian, Fusselman.
20" 94# J-55 BTC	24	20.000	19.124	502'	472'	API #: 30-015-44530			
13.375" 58# L-80 BTC	17.5	13.375	12.415	2,535'	2,515'	COUNTY: Eddy			
9.625" 53.5# NCL-80 BTC	12.25	9.625	8.535	9,261'	9,234'	S/T/R: Sec. 18 235 28E			
7.625" 38.08# Q125 HDL/7.625" 39# P110 HDL	8.5	7.625		13,620'	13,593'	LATITUDE: 32.311638			
Open Hole Injection Interval	6.5			14,747'		LONGITUDE: -104.127299			
						SPUD DATE: 9/15/2018			
						TD DATE: 10/29/2018			
STRING COMPONENTS					GL: 3051' KB: 3083'	HOLE INFORMATION / GEO TOPS		CEMENT INFO	PROPOSED INJECTION STRING
COMPONENT	O.D.	I.D.	Top	Btm		24" Surface Hole T.D. = 502'		155 bbls, 640 sx of 14.8 ppg 1.357 h3/sk yield Estimated TOC @ Surface	9000' of 7" 26#/ft P110 TCPC Duoline Internally Coated Injection Tubing
20" Surface Casing Shoe	20.000	19.124		472'		Casite - 890'		618 bbls, 1951 sx of 13.7 ppg 1.778 h3/sk yield Got 174 bbls of cement back to surface Estimated TOC @ Surface	
						Deleware Mtn Group (SH marker) - 2,443'			
						Lamar Limestone - 2,447'			
Weatherford Stage Tool (Top)	11,250	8,500	2,433'	2,435'		Bell Canyon - 2,483'			
13-3/8" 1st Intermediate Casing Shoe	13.375	12.415		2,515'		17.5" 1st Int. Hole T.D. = 2535'		Stage 1 - 245 bbls, 1120sx of 15.6 ppg 1.23 h3/sk yield Displaced with 650 bbls of system mud, bumped plug @ 2000 psi. Floats held Got 20 bbls, 91 sx to surface after opening tool and circulating	4750' of 5-1/2" 17#/ft P110 TCPC Duoline Internally Coated Injection Tubing
						Cherry Canyon - 3,251'		Stage 2 - 190 bbls, 625 sx of 13.7 ppg 1.71 h3/sk yield Displaced with 391 bbls of OBM, bumped plug @ 1280 psi, tool held Got 40 bbls, 130 sx to surface after circulating OBM	
Weatherford Stage Tool (bottom)	11,250	8,500	5,536'	5,538'		Brushy Canyon - 5,009'		Stage 3 - 144 bbls, 455 sx of 13.7 ppg 1.78 h3/sk yield Displaced with 172 bbls of system mud, bumped plug @ 740 psi, tool held psi Got 10 bbls, 30 sx to surface after circulating.	
Weatherford Annular Casing Packer (ACP)		9.625	5,538'	5,542'		Bone Spring (Leonard) - 5,904'			
						Bone Spring Lime 1 - 5,926'			
						Bone Spring Sand 1 - 6,859'			7-5/8" x 5" TCPC Permanent Packer with High Temp Elastomer and full Inconel 925 trim
						Bone Spring Lime 2 - 7,138'			
						Bone Spring Sand 2 - 7,350'			
7.625" Uner Hanger	8.535		8,767'	8,781'		Bone Spring Lime 3 - 7,886'			
						Bone Spring Sand 3 - 8,920'			
						Wolfecamp - 9,168'			
9-5/8" 2nd Intermediate Casing Shoe	9.625	8.535		9,234'		12.25" 2nd Int. Hole T.D. = 9261'			
						Pennsylvanian - 10,694'		96 bbls, 380 sx of 13.2 ppg, 1.42 h3/sk NeoCem Displaced with calculated 348 bbls of 11.6 ppg OBM Got 5 bbls of cement to surface after setting hanger and circulating.	
						Strawn - 10,982'			
						Atoka - 11,453'			
						Morrow - 11,704'			
						Morrow LS - 11,759'			
						Morrow Clastic - 11,955'			
						Mississippian Shale - 12,831'			
						Barnett - 12,893'			
						Miss Limestone - 13,101'			
7-5/8" Liner Shoe	7.625			13,593'		Woodford - 13,418'			
						8.5" 3rd Int. Hole T.D. = 13620'			
						Silurian Carbonate - 13,924'			
						Fusselman - 14,116'		Had trouble at T.D. with flows and losses (light window) left a 9.4 ppg mud in the hole before tripping out.	
						Montoya - 14,588'			
						6.5" Injection Hole T.D. = 14747'			

IPT PERSONNEL: Johnny Musso (Field Ops Manager), Stacy Wimmer (Field Ops Manager), Trevor Smith (Drilling Engineer)  
IPT WSS: Bill Moodie, Kevin Stimson, Scott Swanke, Darrin Pitts, Jeff Petty, Jackson Wehr

