

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

ARTESIA DISTRICT
OCT 03 2019

Form C-101
Revised July 18, 2013

☒ **AMENDED REPORT**
(Add Bone Spring)

RECEIVED

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

¹ Operator Name and Address Novo Oil & Gas Northern Delaware, LLC 1001 West Wilshire Blvd., Suite 206 Oklahoma City OK 73116 (405) 426-2292		² OGRID Number 372920
		³ API Number 30-015-33282
⁴ Property Code 322828	⁵ Property Name Apollo Fee	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
M	04	23 S	28 E		660	S	660	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
M	04	23 S	28 E		660	S	660	W	Eddy

9. Pool Information

Pool Name	Pool Code
Culebra Bluff; Bone Spring, South	15011

¹¹ Work Type A	¹² Well Type G	¹³ Cable/Rotary R	¹⁴ Lease Type P	¹⁵ Ground Level Elevation 3011'
¹⁶ Multiple N	¹⁷ Proposed Depth 12597'	¹⁸ Formation Morrow	¹⁹ Contractor to be determined	²⁰ Spud Date 10-7-19
Depth to Ground water 30' in C 00800		Distance from nearest fresh water well 4749' NW of C 00800		Distance to nearest surface water ≈1200' NW of Pecos River

A closed-loop system will be used in lieu of lined pits.

Proposed Casing and Cement Program

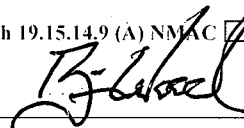
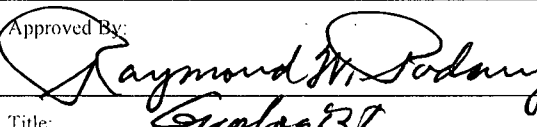
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17.5"	13.375"	48	GL - 430'	355	GL
Intermediate	12.25"	9.625"	40	GL - 6040'	2700	GL
Production	8.75"	5.5"	17 & 20	GL - 12597'	1160	6500'

Casing/Cement Program: Additional Comments

Abandoned deeper zones and will complete in Bone Spring (8464' - 8735').

22. Proposed Blowout Prevention Program

Type	Working Pressure (psi)	Test Pressure (psi)	Manufacturer
annular and single & double rams	ann: 3000 & rams: 5000	ann: 3000 & rams: 5000	Shaffer

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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/>, if applicable. Signature:  Printed name: Brian Wood Title: Consultant E-mail Address: brian@permitswest.com Date: 9-27-19 Phone: 505 466-8120		OIL CONSERVATION DIVISION Approved By:  Title: <i>Geologist</i> Approved Date: 10-9-19 Expiration Date: 10-9-20 Conditions of Approval Attached
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