

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 **NM OIL CONSERVATION**
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

FEB 13 2018

☐ AMENDED REPORT

RECEIVED

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

¹ Operator Name and Address V-F Petroleum Inc. P.O. Box 1889 Midland, Texas 79702		² OGRID Number 24010
		³ API Number 30-015-22892
⁴ Property Code 33046	⁵ Property Name Northcott	⁶ Well No. 3

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
G	24	19-S	28-E		1980	N	1980	E	Eddy

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; Devonian	Pool Code 96101
-----------------------------------	---------------------------

Additional Well Information

¹¹ Work Type D - Deepen	¹² Well Type S	¹³ Cable/Rotary R	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3379
¹⁶ Multiple No	¹⁷ Proposed Depth 14,000	¹⁸ Formation Devonian	¹⁹ Contractor	²⁰ Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ 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	17 1/2"	13 7/8"	48#	375'	450	Surface
Intermediate	12 1/4"	8 5/8"	32#	2,860'	2170	Surface
Production	7 7/8"	5 1/2"	17#	12,060'	2200	Surface

Casing/Cement Program: Additional Comments

Surface and Intermediate Casing in place from original completion.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Ram	2,000#	3,000#	Schaffer

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:

Eric Sprinkle

Printed name: Eric Sprinkle

Title: Petroleum Engineer

E-mail Address: eric@vfpetroleum.com

Date: 2/12/2018

Phone: 432-683-3344

OIL CONSERVATION DIVISION

Approved By:

Raymond H. Dooling

Title:

Geologist

Approved Date: 2-16-18

Expiration Date: 2-16-20

Conditions of Approval Attached

Approved C-108

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-22892	² Pool Code 96101	³ Pool Name SWD; Devonian
⁴ Property Code 33046	⁵ Property Name Northcott	⁶ Well Number 3
⁷ OGRID No. 24010	⁸ Operator Name V-F Petroleum Inc.	⁹ Elevation 3379 GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	24	19-S	28-E		1980	N	1980	E	Eddy

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill N	¹⁴ Consolidation Code	¹⁵ Order No.
-------------------------------------	------------------------------------	----------------------------------	-------------------------

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.

¹⁶	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Eric Sprinkle</i> Date: 8-12-18 Printed Name: Eric Sprinkle E-mail Address: eric@vfpetroleum.com
	¹⁸ 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 belief.
	Date of Survey Signature and Seal of Professional Surveyor:
	Certificate Number

Current

02/16/2018

Well: Northcott #3 SWD
 LOC: 1980' FNL & 1980' FEL
 G-24-19S-28E
 in Eddy Co., NM
 API# 30-015-22892

Operator: V-F Petroleum Inc.
 Field: SWD; Grayburg
 Elevation: GL= 3,379
 KB-GL=
 KB=

TD	Hole Sz	Tops & Perfs	Casing & Cement
375	17 1/2"		13 3/8" 48# H-40 CSG w/ 450 sx CMT
		INJ Perfs: 1,624' - 2,050' OA	
			Plug 2,676' - 2,774' w/ 35 sx
2,860	12 1/4"	T San Andres @ 2,818'	8 5/8" 32# K-55 CSG w/ 2,170 sx CMT
			Plug 2,824' - 2,924' w/ 35 sx
		T Bone Springs @ 3,972'	Plug 3,956' - 4,056' w/ 35 sx
			Plug 5,915' - 6,115' w/ 70 sx
		T Wolfcamp @ 8,894'	Plug 8,791' - 8,891' w/ 25 sx
		T Cisco @ 9,660'	Plug 9,571' - 9,671' w/ 25 sx
		T Strawn @ 10,094'	Plug 10,008' - 10,108' w/ 25 sx
10,400	7 7/8"	T Atoka @ 10,358'	Open Hole: 2,860' - 10,400'

REMARKS: Dry Hole drilled in 1979, re-entered as Grayburg SWD in 1987

rwf 2-16-18

Proposed

02/16/2018

Well: Northcott #3 SWD

Operator: V-F Petroleum Inc.

LOC: 1980' FNL & 1980' FEL

Field: SWD; Devonian

G-24-19S-28E

Elevation: GL= 3,379

in Eddy Co., NM

KB-GL=

API# 30-015-22892

KB=

TD	Hole Sz	Tops & Perfs	Casing & Cement
375	17 1/2"		13 3/8" 48# H-40 CSG w/ 450 sx CMT
		INJ Perfs: 1,624' - 2,050' OA	Prop: Sqzd w/ 200 sx CMT
2,860	12 1/4"	T San Andres @ 2,818'	8 5/8" 32# K-55 CSG w/ 2,170 sx CMT
		T Bone Springs @ 3,972'	
		T Wolfcamp @ 8,894'	
		T Cisco @ 9,660'	
		T Strawn @ 10,094'	
		T Atoka @ 10,358'	
12,060		T Devonian @ 12,060'	Prop: 5 1/2" 17# L-80 CSG w/ 2200 sx CMT
13,000	7 7/8"		Prop Open Hole: 12,060' - 13,000'

REMARKS: Dry Hole drilled in 1979, re-entered as Grayburg SWD in 1987, Prop Deepen to Devonian SWD 2018