

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, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

API Number 30-015-22625	Pool Code 96101	Pool Name SWD; DEVONIAN
Property Code	Property Name STATE 19	Well Number 2
OGRID No. 24010	Operator Name V-F PETROLEUM INC	Elevation 3495'

Surface Location

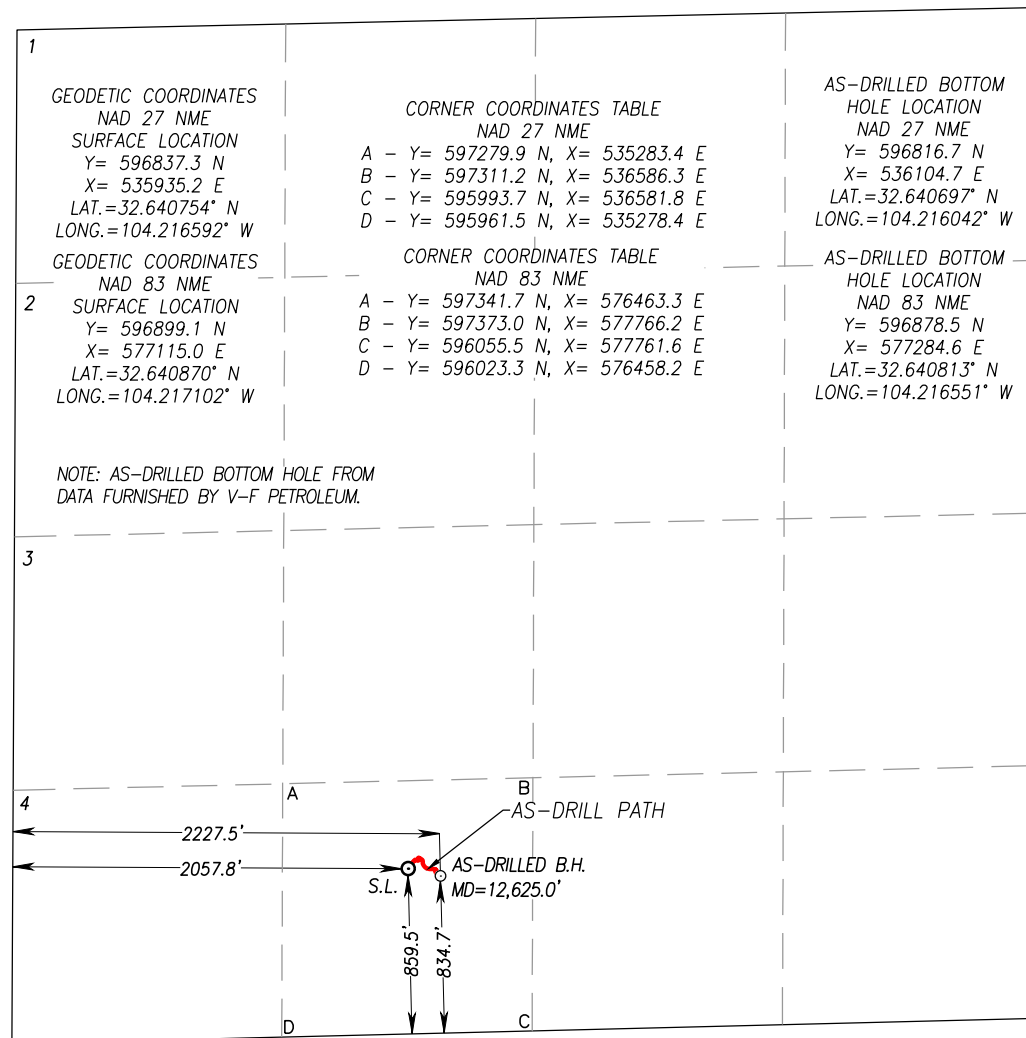
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	19	19-S	28-E		859.5	SOUTH	2057.8	WEST	EDDY

As-Drilled 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
N	19	19-S	28-E		834.7	SOUTH	2227.5	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No. SWD-2532
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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



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Jason J. Lodge 8/25/23
Signature Date

Jason J. Lodge

Printed Name

Jason@vfpetroleum.com

E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of recent surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

APRIL 8, 2019
Date of Survey
Signature of Registered Professional Surveyor

Gary G. Eidson 08/24/2023
Certificate Number Gary G. Eidson 12641

ACK REL. W.O.:19110537 JWSC W.O.: 23.13.0271

V-F Petroleum, Inc.

Eddy County, NM

Sec 19-T19S-R28E

State 19 #2

Wellbore #1

Survey: Survey #2

Standard Survey Report

22 February, 2022

Microsoft
Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well State 19 #2
Project:	Eddy County, NM	TVD Reference:	3495+15 @ 3510.0usft
Site:	Sec 19-T19S-R28E	MD Reference:	3495+15 @ 3510.0usft
Well:	State 19 #2	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Project	Eddy County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Sec 19-T19S-R28E				
Site Position:		Northing:	598,207.90 usft	Latitude:	32° 38' 40.049 N	
From:	Map	Easting:	580,274.30 usft	Longitude:	104° 12' 24.599 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.07 °

Well	State 19 #2					
Well Position	+N/-S	0.0 usft	Northing:	596,899.10 usft	Latitude:	32° 38' 27.133 N
	+E/-W	0.0 usft	Easting:	577,115.00 usft	Longitude:	104° 13' 1.567 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,495.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	01/14/22	6.79	60.28	47,644.14918019

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	91.25	

Survey Program	Date	02/22/22			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	6,800.0	Survey #1 (Wellbore #1)	GYRO-MWD	OWSG Gyro MWD	
6,859.0	12,625.0	Survey #2 (Wellbore #1)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
6,800.0	1.32	254.29	6,798.5	57.7	54.3	53.0	0.00	0.00	0.00	
Tie-On Survey 6800' MD/6798.5 TVD										
6,859.0	1.20	178.00	6,857.5	56.9	53.7	52.4	2.64	-0.20	-129.31	
1st MWD Survey 6859 MD/6857.5 TVD										
6,874.0	1.60	155.80	6,872.5	56.5	53.8	52.5	4.45	2.67	-148.00	
6,885.0	2.20	145.00	6,883.5	56.2	53.9	52.7	6.33	5.45	-98.18	
6,917.0	6.20	116.40	6,915.4	54.9	55.8	54.6	13.74	12.50	-89.38	
6,949.0	9.70	105.80	6,947.1	53.4	60.0	58.8	11.81	10.94	-33.13	
7,011.0	7.20	98.70	7,008.4	51.4	68.9	67.7	4.36	-4.03	-11.45	

Microsoft
Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well State 19 #2
Project:	Eddy County, NM	TVD Reference:	3495+15 @ 3510.0usft
Site:	Sec 19-T19S-R28E	MD Reference:	3495+15 @ 3510.0usft
Well:	State 19 #2	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
7,106.0	5.30	169.40	7,103.0	46.2	75.6	74.5	7.78	-2.00	74.42	
7,201.0	4.40	173.40	7,197.6	38.3	76.8	75.9	1.01	-0.95	4.21	
7,315.0	7.00	176.20	7,311.1	27.0	77.7	77.1	2.29	2.28	2.46	
7,409.0	7.00	141.60	7,404.4	16.8	81.7	81.3	4.42	0.00	-36.81	
7,504.0	7.20	131.00	7,498.7	8.3	89.8	89.6	1.39	0.21	-11.16	
7,598.0	5.10	112.40	7,592.2	2.9	98.1	98.0	3.05	-2.23	-19.79	
7,693.0	3.90	109.90	7,686.9	0.2	105.0	105.0	1.28	-1.26	-2.63	
7,788.0	5.10	88.60	7,781.6	-0.8	112.3	112.3	2.14	1.26	-22.42	
7,882.0	5.30	91.60	7,875.2	-0.8	120.8	120.8	0.36	0.21	3.19	
7,977.0	4.40	90.60	7,969.8	-1.0	128.8	128.8	0.95	-0.95	-1.05	
8,071.0	4.40	89.40	8,063.6	-1.0	136.0	136.0	0.10	0.00	-1.28	
8,166.0	3.80	108.60	8,158.3	-2.0	142.7	142.7	1.57	-0.63	20.21	
8,260.0	2.00	167.40	8,252.2	-4.6	146.0	146.0	3.46	-1.91	62.55	
8,355.0	1.50	165.10	8,347.2	-7.4	146.7	146.8	0.53	-0.53	-2.42	
8,450.0	1.70	167.20	8,442.1	-10.0	147.3	147.5	0.22	0.21	2.21	
8,545.0	1.20	355.00	8,537.1	-10.3	147.5	147.7	3.05	-0.53	-181.26	
8,641.0	1.30	1.30	8,633.1	-8.2	147.5	147.6	0.18	0.10	6.56	
8,735.0	1.70	318.70	8,727.1	-6.1	146.6	146.7	1.23	0.43	-45.32	
8,831.0	1.80	309.30	8,823.0	-4.1	144.5	144.5	0.32	0.10	-9.79	
8,925.0	1.70	313.90	8,917.0	-2.2	142.3	142.3	0.18	-0.11	4.89	
9,036.0	2.40	179.30	9,028.0	-3.4	141.1	141.2	3.42	0.63	-121.26	
9,096.0	1.70	165.10	9,087.9	-5.5	141.4	141.5	1.43	-1.17	-23.67	
9,190.0	1.10	154.20	9,181.9	-7.7	142.1	142.3	0.70	-0.64	-11.60	
9,285.0	1.40	169.50	9,276.9	-9.6	142.7	142.9	0.47	0.32	16.11	
9,380.0	0.70	166.10	9,371.8	-11.3	143.1	143.3	0.74	-0.74	-3.58	
9,475.0	0.70	154.60	9,466.8	-12.4	143.5	143.7	0.15	0.00	-12.11	
9,569.0	0.80	149.60	9,560.8	-13.5	144.1	144.3	0.13	0.11	-5.32	
9,664.0	1.00	160.00	9,655.8	-14.9	144.7	145.0	0.27	0.21	10.95	
9,759.0	0.70	167.00	9,750.8	-16.2	145.1	145.4	0.33	-0.32	7.37	
9,854.0	1.10	180.70	9,845.8	-17.7	145.2	145.6	0.48	0.42	14.42	
9,949.0	1.40	163.40	9,940.8	-19.7	145.5	145.9	0.50	0.32	-18.21	
10,044.0	1.60	153.80	10,035.7	-22.0	146.5	146.9	0.34	0.21	-10.11	
10,139.0	1.20	161.10	10,130.7	-24.1	147.4	147.9	0.46	-0.42	7.68	
10,233.0	1.30	155.20	10,224.7	-26.0	148.1	148.7	0.17	0.11	-6.28	
10,328.0	1.30	157.60	10,319.7	-28.0	149.0	149.6	0.06	0.00	2.53	
10,423.0	1.40	157.80	10,414.6	-30.1	149.8	150.5	0.11	0.11	0.21	
10,517.0	1.50	156.70	10,508.6	-32.3	150.8	151.4	0.11	0.11	-1.17	
10,612.0	1.50	167.50	10,603.6	-34.6	151.5	152.2	0.30	0.00	11.37	
10,707.0	1.50	164.80	10,698.5	-37.0	152.1	152.9	0.07	0.00	-2.84	
10,803.0	1.40	166.30	10,794.5	-39.4	152.7	153.6	0.11	-0.10	1.56	
10,898.0	1.10	149.90	10,889.5	-41.3	153.5	154.3	0.49	-0.32	-17.26	
10,994.0	1.20	163.10	10,985.5	-43.1	154.2	155.1	0.29	0.10	13.75	
11,089.0	1.10	173.40	11,080.5	-44.9	154.6	155.6	0.24	-0.11	10.84	

Microsoft
Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well State 19 #2
Project:	Eddy County, NM	TVD Reference:	3495+15 @ 3510.0usft
Site:	Sec 19-T19S-R28E	MD Reference:	3495+15 @ 3510.0usft
Well:	State 19 #2	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
11,184.0	0.80	165.80	11,175.4	-46.5	154.9	155.9	0.34	-0.32	-8.00	
11,279.0	0.70	164.40	11,270.4	-47.7	155.2	156.2	0.11	-0.11	-1.47	
11,375.0	1.00	126.50	11,366.4	-48.7	156.0	157.1	0.65	0.31	-39.48	
11,470.0	1.50	121.20	11,461.4	-49.9	157.8	158.8	0.54	0.53	-5.58	
11,565.0	1.30	115.00	11,556.4	-51.0	159.8	160.9	0.26	-0.21	-6.53	
11,660.0	1.30	116.10	11,651.3	-51.9	161.7	162.8	0.03	0.00	1.16	
11,755.0	1.40	117.20	11,746.3	-52.9	163.7	164.9	0.11	0.11	1.16	
11,850.0	1.10	111.10	11,841.3	-53.8	165.6	166.8	0.35	-0.32	-6.42	
12,071.0	1.90	20.90	12,062.2	-51.1	168.9	170.0	0.99	0.36	-40.81	
12,176.0	3.30	0.20	12,167.1	-46.5	169.5	170.5	1.58	1.33	-19.71	
Last MWD Survey 12176 MD/12167.1 TVD -46.5 S 169.5 E N: 596852.6 E: 577284.5										
12,625.0	3.30	0.20	12,615.4	-20.6	169.6	170.0	0.00	0.00	0.00	
PTB 12625 MD/12615.4 TVD -20.6 S 169.6 E N: 596878.4 E: 577284.6										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
6,800.0	6,798.5	57.7	54.3	Tie-On Survey 6800' MD/6798.5 TVD	
6,859.0	6,857.5	56.9	53.7	1st MWD Survey 6859 MD/6857.5 TVD	
12,176.0	12,167.1	-46.5	169.5	Last MWD Survey 12176 MD/12167.1 TVD -46.5 S 169.5 E N: 596852.6 E: 577	
12,625.0	12,615.4	-20.6	169.6	PTB 12625 MD/12615.4 TVD -20.6 S 169.6 E N: 596878.4 E: 577284.6	

Checked By: _____

Approved By: _____

Date: _____



State Of New Mexico

Eddy County

I Christina Myers, certify that: I am employed Panther Drilling Systems ; that I did on the day(s) of 01/19/2022 through 02/18/2022 conduct or supervise the taking of MWD surveys from a depth of 6859 feet to a depth of 12176' MD & 12625 PTB. The data is true, correct, complete, and within the limitations of the tool set forth by Panther Drilling Systems. I am authorized and qualified to make this report, and that this report was conducted at the request of V-F Petroleum. , for the State 19 #2, API# 30-015-22625 drilled in Eddy County, New Mexico. I have reviewed this report and find that it conforms to the principles and procedures as set forth by V-F Petroleum.

Christina Myers

Christina Myers

Well Planner

Panther Drilling Systems

10600 W. Reno Ave.

Yukon, Ok. 73099

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 260131

CONDITIONS

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 260131
	Action Type: [C-102] Well Location & Acreage Plat (C-102)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	None	1/12/2024