

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 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

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-015-47400
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. LG26770002
7. Lease Name or Unit Agreement Name LIGHTFOOT 19 STATE COM
8. Well Number 221H
9. OGRID Number 24010
10. Pool name or Wildcat WINCHESTER; BONE SPRING, WEST

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 ☐	
2. Name of Operator V-F PETROLEUM INC	
3. Address of Operator P.O. BOX 1889 MIDLAND, TX 79702	
4. Well Location Unit Letter_P_: 1113 feet from the SOUTH line and 100 feet from the EAST line Section 19 Township 19S Range 28E NMPM EDDY County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3501 GR	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

V-F Petroleum Inc requests to change the dedicated acres for the subject well as follows:

Permitted Dedicated Acres: 243.11 Acres

“As Drilled” Dedicated Acres: 163.11 Acres

Please see the attached supporting documentation.

Spud Date:

8/7/22

Rig Release Date:

8/23/22

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

SIGNATURE Jason J. Lodge TITLE Geologist DATE 3/1/23

Type or print name Jason J. Lodge E-mail address: Jason@vfpetroleum.com PHONE: 432-683-3344

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

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
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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 PLAT

API Number 30-015-47400	Pool Code 97569	Pool Name WINCHESTER; BONE SPRING, WEST
Property Code 329325	Property Name LIGHTFOOT 19 STATE COM	Well Number 221H
OGRID No. 24010	Operator Name V-F PETROLEUM INC	Elevation 3501'

Surface Location

UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
P	19	19-S	28-E		1113	SOUTH	100	EAST	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
4	19	19-S	28-E		336.3	SOUTH	84.1	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
163.11		C	

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

LOT 1 AS-DRILLED BOTTOM HOLE LOCATION NAD 27 NME Y= 596265.1 N X= 533959.1 E LAT.=32.639187° N LONG.=104.223014° W NAD 83 NME Y= 596326.9 N X= 575139.0 E LAT.=32.639303° N LONG.=104.223523° W	CORNER COORDINATES TABLE NAD 27 NME A - Y= 597373.7 N, X= 539192.3 E B - Y= 596058.2 N, X= 539188.8 E C - Y= 595926.8 N, X= 533873.3 E D - Y= 597246.2 N, X= 533880.0 E CORNER COORDINATES TABLE NAD 83 NME A - Y= 597435.6 N, X= 580372.2 E B - Y= 596120.1 N, X= 580368.7 E C - Y= 595988.6 N, X= 575053.2 E D - Y= 597308.0 N, X= 575059.8 E NOTE: AS-DRILLED BOTTOM HOLE, LAST TAKE POINT AND FIRST TAKE POINT PLOTTED FROM DATA FURNISHED BY V-F PETROLEUM, INC. ON AUGUST 22, 2022.	SURFACE LOCATION GEODETIC COORDINATES NAD 27 NME Y= 597168.9 N X= 539091.7 E LAT.=32.641656° N LONG.=104.206337° W NAD 83 NME Y= 597230.8 N X= 580271.6 E LAT.=32.641772° N LONG.=104.206846° W FIRST TAKE POINT NAD 27 NME Y= 596394.5 N X= 538650.8 E LAT.=32.639528° N LONG.=104.207772° W NAD 83 NME Y= 596456.3 N X= 579830.7 E LAT.=32.639645° N LONG.=104.208281° W
LOT 2 LAST TAKE POINT NAD 27 NME Y= 596265.8 N X= 533984.0 E LAT.=32.639189° N LONG.=104.222933° W NAD 83 NME Y= 596327.6 N X= 575163.9 E LAT.=32.639305° N LONG.=104.223443° W		
LOT 3		
LOT 4 109.1° L.T.P. MD=12,079.0' AS-DRILLED B.H. MD=12,104.0' 5386.3' 3336.4'	AS-DRILL PATH	100° S.L. 1113' 539.2' 349.7' F.T.P. MD=7400.0'

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.

Signature James L. Laga Date 12/28/22

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 actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

FEBRUARY 12, 2019

Date of Survey

Signature & Seal of Professional Surveyor:

Ronald E. Eidson 12/27/2022

Certificate Number	Garv G. Eidson	12641
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ACK REL. W.O.:22130173 JWSC W.O.: 22.13.0442

V-F Petroleum, Inc.

Eddy County, NM

Sec 19-T19S-R28E

Lightfoot 19 State Com 221H

Wellbore #1

Survey: Survey #1

Standard Survey Report

22 August, 2022

Microsoft
Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well Lightfoot 19 State Com 221H
Project:	Eddy County, NM	TVD Reference:	3501+27 @ 3528.0usft
Site:	Sec 19-T19S-R28E	MD Reference:	3501+27 @ 3528.0usft
Well:	Lightfoot 19 State Com 221H	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	Lightfoot 19 State Com 221H					
Well Position	+N/-S	0.0 usft	Northing:	597,230.80 usft	Latitude:	32° 38' 30.380 N
	+E/-W	0.0 usft	Easting:	580,271.60 usft	Longitude:	104° 12' 24.645 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,501.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	07/26/22	6.73	60.28	47,591.26391040

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	259.92	

Survey Program	Date	08/22/22			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
192.0	12,104.0	Survey #1 (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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
192.0	0.20	153.40	192.0	-0.3	0.2	-0.1	0.10	0.10	0.00
1st MWD Survey									
286.0	0.10	208.10	286.0	-0.5	0.2	-0.1	0.17	-0.11	58.19
379.0	1.20	230.40	379.0	-1.2	-0.6	0.8	1.19	1.18	23.98
496.0	1.80	236.90	496.0	-3.0	-3.1	3.6	0.53	0.51	5.56
587.0	2.00	239.00	586.9	-4.6	-5.6	6.4	0.23	0.22	2.31
677.0	2.70	226.50	676.8	-6.9	-8.5	9.6	0.96	0.78	-13.89
768.0	4.80	208.50	767.6	-11.7	-11.9	13.8	2.62	2.31	-19.78
863.0	7.40	196.20	862.1	-21.1	-15.5	19.0	3.05	2.74	-12.95
957.0	9.80	196.20	955.0	-34.6	-19.4	25.2	2.55	2.55	0.00

Microsoft
Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well Lightfoot 19 State Com 221H
Project:	Eddy County, NM	TVD Reference:	3501+27 @ 3528.0usft
Site:	Sec 19-T19S-R28E	MD Reference:	3501+27 @ 3528.0usft
Well:	Lightfoot 19 State Com 221H	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)
1,051.0	11.10	193.20	1,047.5	-51.0	-23.7	32.3	1.50	1.38	-3.19
1,147.0	10.50	187.10	1,141.8	-68.7	-26.9	38.5	1.34	-0.63	-6.35
1,240.0	9.50	183.80	1,233.4	-84.8	-28.5	42.9	1.24	-1.08	-3.55
1,334.0	9.00	183.50	1,326.1	-99.9	-29.4	46.5	0.53	-0.53	-0.32
1,429.0	8.80	184.80	1,420.0	-114.5	-30.5	50.1	0.30	-0.21	1.37
1,523.0	8.70	186.10	1,512.9	-128.8	-31.9	53.9	0.24	-0.11	1.38
1,617.0	9.10	181.10	1,605.8	-143.3	-32.8	57.3	0.93	0.43	-5.32
1,711.0	9.40	178.10	1,698.5	-158.4	-32.6	59.9	0.60	0.32	-3.19
1,805.0	9.10	185.90	1,791.3	-173.4	-33.2	63.0	1.37	-0.32	8.30
1,898.0	9.10	188.20	1,883.1	-188.0	-35.0	67.3	0.39	0.00	2.47
1,992.0	9.00	184.60	1,976.0	-202.7	-36.6	71.5	0.61	-0.11	-3.83
2,086.0	9.10	183.20	2,068.8	-217.5	-37.6	75.1	0.26	0.11	-1.49
2,180.0	8.90	185.20	2,161.7	-232.1	-38.7	78.7	0.40	-0.21	2.13
2,274.0	9.10	183.10	2,254.5	-246.8	-39.7	82.3	0.41	0.21	-2.23
2,368.0	9.30	182.50	2,347.3	-261.8	-40.5	85.7	0.24	0.21	-0.64
2,462.0	9.10	183.80	2,440.1	-276.8	-41.3	89.1	0.31	-0.21	1.38
2,557.0	9.00	185.40	2,533.9	-291.7	-42.5	92.9	0.29	-0.11	1.68
2,651.0	9.30	180.10	2,626.7	-306.6	-43.2	96.2	0.95	0.32	-5.64
2,744.0	9.50	178.40	2,718.5	-321.8	-43.0	98.7	0.37	0.22	-1.83
2,838.0	9.40	179.80	2,811.2	-337.2	-42.8	101.1	0.27	-0.11	1.49
2,933.0	9.20	180.20	2,904.9	-352.6	-42.8	103.8	0.22	-0.21	0.42
3,027.0	9.10	180.70	2,997.7	-367.5	-42.9	106.6	0.14	-0.11	0.53
3,121.0	9.10	182.10	3,090.5	-382.4	-43.2	109.5	0.24	0.00	1.49
3,214.0	8.90	183.10	3,182.4	-396.9	-43.9	112.7	0.27	-0.22	1.08
3,309.0	8.90	181.30	3,276.3	-411.6	-44.5	115.8	0.29	0.00	-1.89
3,403.0	8.70	182.20	3,369.2	-426.0	-44.9	118.8	0.26	-0.21	0.96
3,455.0	8.60	183.60	3,420.6	-433.8	-45.3	120.5	0.45	-0.19	2.69
3,548.0	9.10	184.80	3,512.5	-448.1	-46.3	124.1	0.57	0.54	1.29
3,643.0	8.80	186.30	3,606.3	-462.8	-47.8	128.0	0.40	-0.32	1.58
3,739.0	10.20	178.70	3,701.0	-478.6	-48.4	131.4	1.96	1.46	-7.92
3,835.0	10.60	177.70	3,795.4	-495.9	-47.8	133.9	0.46	0.42	-1.04
3,931.0	10.10	179.60	3,889.8	-513.1	-47.4	136.5	0.63	-0.52	1.98
4,026.0	10.20	179.30	3,983.4	-529.9	-47.3	139.3	0.12	0.11	-0.32
4,122.0	10.00	180.00	4,077.9	-546.7	-47.2	142.1	0.24	-0.21	0.73
4,218.0	9.80	182.20	4,172.4	-563.2	-47.5	145.3	0.45	-0.21	2.29
4,313.0	9.50	181.60	4,266.1	-579.1	-48.0	148.6	0.33	-0.32	-0.63
4,409.0	9.30	182.50	4,360.8	-594.8	-48.6	151.9	0.26	-0.21	0.94
4,505.0	9.00	185.30	4,455.6	-610.0	-49.6	155.6	0.56	-0.31	2.92
4,600.0	8.50	184.60	4,549.5	-624.4	-50.8	159.4	0.54	-0.53	-0.74
4,696.0	8.30	185.50	4,644.4	-638.4	-52.1	163.0	0.25	-0.21	0.94
4,792.0	7.90	183.10	4,739.5	-651.9	-53.1	166.4	0.55	-0.42	-2.50
4,886.0	7.30	183.50	4,832.7	-664.3	-53.8	169.3	0.64	-0.64	0.43
4,982.0	6.50	183.80	4,928.0	-675.8	-54.5	172.0	0.83	-0.83	0.31

Microsoft Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well Lightfoot 19 State Com 221H
Project:	Eddy County, NM	TVD Reference:	3501+27 @ 3528.0usft
Site:	Sec 19-T19S-R28E	MD Reference:	3501+27 @ 3528.0usft
Well:	Lightfoot 19 State Com 221H	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)	
5,076.0	7.30	182.00	5,021.3	-687.1	-55.1	174.5	0.88	0.85	-1.91	
5,170.0	7.70	179.60	5,114.5	-699.3	-55.3	176.8	0.54	0.43	-2.55	
5,264.0	7.00	180.80	5,207.7	-711.4	-55.3	179.0	0.76	-0.74	1.28	
5,359.0	5.80	184.00	5,302.1	-721.9	-55.7	181.2	1.32	-1.26	3.37	
5,453.0	5.40	183.20	5,395.7	-731.1	-56.3	183.4	0.43	-0.43	-0.85	
5,547.0	4.90	182.70	5,489.3	-739.5	-56.7	185.3	0.53	-0.53	-0.53	
5,641.0	4.70	181.60	5,583.0	-747.4	-57.0	187.0	0.23	-0.21	-1.17	
5,736.0	4.00	172.50	5,677.7	-754.6	-56.7	187.9	1.03	-0.74	-9.58	
5,830.0	3.90	164.40	5,771.5	-760.9	-55.4	187.8	0.60	-0.11	-8.62	
5,924.0	3.60	153.60	5,865.3	-766.6	-53.3	186.6	0.81	-0.32	-11.49	
6,018.0	2.40	132.80	5,959.1	-770.6	-50.5	184.6	1.70	-1.28	-22.13	
6,112.0	2.50	114.80	6,053.1	-772.8	-47.2	181.7	0.82	0.11	-19.15	
6,205.0	1.10	61.90	6,146.0	-773.2	-44.6	179.2	2.19	-1.51	-56.88	
6,300.0	1.10	52.00	6,241.0	-772.2	-43.0	177.6	0.20	0.00	-10.42	
6,395.0	1.40	39.30	6,336.0	-770.8	-41.6	175.9	0.43	0.32	-13.37	
6,489.0	1.10	43.80	6,429.9	-769.2	-40.2	174.3	0.34	-0.32	4.79	
6,583.0	1.50	48.10	6,523.9	-767.7	-38.7	172.5	0.44	0.43	4.57	
6,641.0	1.90	42.20	6,581.9	-766.5	-37.5	171.1	0.75	0.69	-10.17	
6,702.0	1.60	359.90	6,642.9	-764.9	-36.8	170.1	2.12	-0.49	-69.34	
6,749.0	5.80	282.50	6,689.8	-763.8	-39.1	172.2	12.06	8.94	-164.68	
6,796.0	12.30	275.30	6,736.2	-762.8	-46.4	179.3	14.01	13.83	-15.32	
6,843.0	19.40	274.20	6,781.4	-761.7	-59.2	191.7	15.12	15.11	-2.34	
6,890.0	27.00	272.60	6,824.5	-760.7	-77.7	209.7	16.22	16.17	-3.40	
6,937.0	34.90	270.90	6,864.8	-760.0	-101.8	233.3	16.91	16.81	-3.62	
6,985.0	38.40	269.60	6,903.3	-759.9	-130.5	261.5	7.47	7.29	-2.71	
7,032.0	40.70	268.10	6,939.5	-760.5	-160.4	291.0	5.30	4.89	-3.19	
7,079.0	42.30	267.70	6,974.7	-761.6	-191.5	321.9	3.45	3.40	-0.85	
7,126.0	43.90	267.00	7,009.1	-763.1	-223.6	353.7	3.55	3.40	-1.49	
7,174.0	46.80	266.10	7,042.8	-765.2	-257.7	387.6	6.19	6.04	-1.88	
7,221.0	49.00	266.00	7,074.3	-767.6	-292.5	422.3	4.68	4.68	-0.21	
7,267.0	52.80	266.80	7,103.3	-769.8	-328.1	457.8	8.37	8.26	1.74	
7,314.0	56.60	267.70	7,130.5	-771.7	-366.4	495.8	8.23	8.09	1.91	
7,361.0	60.10	267.70	7,155.1	-773.3	-406.4	535.5	7.45	7.45	0.00	
7,408.0	65.60	267.80	7,176.6	-774.9	-448.1	576.9	11.70	11.70	0.21	
7,455.0	72.00	267.70	7,193.5	-776.6	-491.9	620.3	13.62	13.62	-0.21	
7,502.0	79.60	267.70	7,205.1	-778.4	-537.4	665.4	16.17	16.17	0.00	
7,549.0	86.90	267.60	7,210.6	-780.4	-584.0	711.6	15.53	15.53	-0.21	
7,596.0	89.60	268.50	7,212.0	-782.0	-630.9	758.1	6.06	5.74	1.91	
7,643.0	91.10	268.60	7,211.7	-783.1	-677.9	804.6	3.20	3.19	0.21	
7,737.0	91.10	268.20	7,209.9	-785.8	-771.9	897.5	0.43	0.00	-0.43	
7,831.0	91.70	267.80	7,207.6	-789.0	-865.8	990.5	0.77	0.64	-0.43	
7,926.0	91.20	268.30	7,205.2	-792.3	-960.7	1,084.6	0.74	-0.53	0.53	
8,020.0	92.30	268.70	7,202.4	-794.7	-1,054.6	1,177.5	1.25	1.17	0.43	

Microsoft
Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well Lightfoot 19 State Com 221H
Project:	Eddy County, NM	TVD Reference:	3501+27 @ 3528.0usft
Site:	Sec 19-T19S-R28E	MD Reference:	3501+27 @ 3528.0usft
Well:	Lightfoot 19 State Com 221H	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)	
8,114.0	92.00	269.30	7,198.8	-796.4	-1,148.5	1,270.2	0.71	-0.32	0.64	
8,208.0	91.40	269.30	7,196.0	-797.5	-1,242.5	1,362.9	0.64	-0.64	0.00	
8,303.0	91.20	269.30	7,193.9	-798.7	-1,337.5	1,456.6	0.21	-0.21	0.00	
8,398.0	91.80	268.20	7,191.4	-800.8	-1,432.4	1,550.5	1.32	0.63	-1.16	
8,492.0	92.20	268.00	7,188.1	-803.9	-1,526.3	1,643.4	0.48	0.43	-0.21	
8,586.0	91.40	268.50	7,185.2	-806.7	-1,620.2	1,736.4	1.00	-0.85	0.53	
8,681.0	91.80	269.00	7,182.5	-808.8	-1,715.1	1,830.2	0.67	0.42	0.53	
8,774.0	93.00	268.80	7,178.6	-810.6	-1,808.0	1,922.0	1.31	1.29	-0.22	
8,869.0	90.90	268.60	7,175.4	-812.8	-1,903.0	2,015.9	2.22	-2.21	-0.21	
8,961.0	92.00	268.60	7,173.1	-815.0	-1,994.9	2,106.8	1.20	1.20	0.00	
9,056.0	91.20	268.50	7,170.4	-817.4	-2,089.8	2,200.7	0.85	-0.84	-0.11	
9,151.0	90.50	268.60	7,169.0	-819.8	-2,184.8	2,294.6	0.74	-0.74	0.11	
9,245.0	92.10	268.30	7,166.9	-822.3	-2,278.7	2,387.5	1.73	1.70	-0.32	
9,340.0	92.50	268.00	7,163.1	-825.4	-2,373.6	2,481.4	0.53	0.42	-0.32	
9,434.0	92.20	268.10	7,159.2	-828.6	-2,467.5	2,574.4	0.34	-0.32	0.11	
9,528.0	91.50	267.80	7,156.2	-832.0	-2,561.4	2,667.4	0.81	-0.74	-0.32	
9,622.0	93.00	268.10	7,152.5	-835.3	-2,655.2	2,760.5	1.63	1.60	0.32	
9,716.0	92.50	269.10	7,148.0	-837.6	-2,749.1	2,853.3	1.19	-0.53	1.06	
9,810.0	91.80	269.60	7,144.4	-838.7	-2,843.0	2,945.9	0.91	-0.74	0.53	
9,904.0	92.30	270.90	7,141.1	-838.3	-2,936.9	3,038.3	1.48	0.53	1.38	
9,998.0	91.40	271.30	7,138.0	-836.5	-3,030.9	3,130.5	1.05	-0.96	0.43	
10,092.0	91.30	270.70	7,135.8	-834.8	-3,124.8	3,222.7	0.65	-0.11	-0.64	
10,186.0	91.20	269.20	7,133.8	-834.9	-3,218.8	3,315.3	1.60	-0.11	-1.60	
10,280.0	91.80	267.10	7,131.3	-837.9	-3,312.7	3,408.3	2.32	0.64	-2.23	
10,374.0	91.50	266.90	7,128.6	-842.9	-3,406.6	3,501.5	0.38	-0.32	-0.21	
10,468.0	90.90	266.90	7,126.6	-847.9	-3,500.4	3,594.8	0.64	-0.64	0.00	
10,562.0	92.70	266.70	7,123.7	-853.2	-3,594.2	3,688.1	1.93	1.91	-0.21	
10,657.0	93.20	266.90	7,118.8	-858.5	-3,688.9	3,782.3	0.57	0.53	0.21	
10,751.0	92.20	267.40	7,114.4	-863.2	-3,782.7	3,875.4	1.19	-1.06	0.53	
10,846.0	91.70	268.10	7,111.1	-866.9	-3,877.6	3,969.5	0.91	-0.53	0.74	
10,941.0	91.60	268.50	7,108.4	-869.7	-3,972.5	4,063.4	0.43	-0.11	0.42	
11,035.0	91.00	268.80	7,106.3	-871.9	-4,066.4	4,156.3	0.71	-0.64	0.32	
11,130.0	91.60	269.20	7,104.1	-873.6	-4,161.4	4,250.1	0.76	0.63	0.42	
11,223.0	91.40	268.70	7,101.7	-875.3	-4,254.4	4,341.9	0.58	-0.22	-0.54	
11,318.0	91.30	268.20	7,099.4	-877.8	-4,349.3	4,435.8	0.54	-0.11	-0.53	
11,411.0	90.50	268.00	7,098.0	-880.9	-4,442.2	4,527.9	0.89	-0.86	-0.22	
11,505.0	92.20	268.00	7,095.8	-884.2	-4,536.1	4,620.9	1.81	1.81	0.00	
11,600.0	92.20	268.00	7,092.1	-887.5	-4,631.0	4,714.9	0.00	0.00	0.00	
11,694.0	92.90	267.60	7,087.9	-891.1	-4,724.9	4,807.9	0.86	0.74	-0.43	
11,788.0	92.10	268.20	7,083.8	-894.6	-4,818.7	4,900.9	1.06	-0.85	0.64	
11,883.0	92.00	268.40	7,080.4	-897.4	-4,913.6	4,994.8	0.24	-0.11	0.21	
11,978.0	94.60	268.20	7,075.0	-900.2	-5,008.4	5,088.6	2.74	2.74	-0.21	
Last MWD Survey 11978 MD/7075.0 TVD -900.5 S -5008.4 W N: 596330.6 E: 575263.2										
12,104.0	94.60	268.20	7,064.9	-904.1	-5,133.9	5,212.9	0.00	0.00	0.00	

Microsoft
Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well Lightfoot 19 State Com 221H
Project:	Eddy County, NM	TVD Reference:	3501+27 @ 3528.0usft
Site:	Sec 19-T19S-R28E	MD Reference:	3501+27 @ 3528.0usft
Well:	Lightfoot 19 State Com 221H	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)
PTB 12104 MD/7064.9 TVD -904.1 S -5133.9 W N: 596326.6 E: 575137.6									

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
192.0	192.0	-0.3	0.2	1st MWD Survey	
11,978.0	7,075.0	-900.2	-5,008.4	Last MWD Survey 11978 MD/7075.0 TVD -900.5 S -5008.4 W N: 596330.6 E: 5	
12,104.0	7,064.9	-904.1	-5,133.9	PTB 12104 MD/7064.9 TVD -904.1 S -5133.9 W N: 596326.6 E: 575137.6	

Checked By:	_____	Approved By:	_____	Date:	_____
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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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 192176

CONDITIONS

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 192176
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	None	3/9/2023