Form C-101 August 1, 2011

Permit 324022

<u>District I</u> 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

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**

						,	,	-,	K, OR ADD A Z			
1. Operat		e and Address							2. 00	GRID Number		
	V-F PETROLEUM INC									24010		
	P.O. Box 1889											
	Midla	ind, TX 79702								30-015-4991	2	
4. Property Code 5. Property Name							6. W	6. Well No.				
	2709	3			SCANLON DRAW	/ 34 STATE				231H		
						7. Surfa	ice Location					
UL - Lot		Section	Township		Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	
	Р	34	1	8S	28E		380	S	250	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	
	M	34	4.5	3S	28E	M	380	S	100	W		Eddy

9. Pool Information

TRAVIS; BONESPRING(O)		97257
	Additional Well Information	

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3511
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date
N	12976	3rd Bone Spring Sand		10/1/2022
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
Surf	17.5	13.375	54.5	450	450	0
Int1	12.25	9.625	40	3500	825	0
Prod	8.75	5.5	17	12976	1480	3000

Casing/Cement Program: Additional Comments

	22. Proposed Blowout Prevention Program									
Туре	Working Pressure	Test Pressure	Manufacturer							
Annular	3000	1500	TBD							
Double Ram	3000	3000	TBD							

knowledge and	belief. I have complied with 19.15.14.9 (A)	s true and complete to the best of my NMAC ⊠ and/or 19.15.14.9 (B) NMAC		OIL CONSE	RVATION DIVISION		
Printed Name:	Electronically filed by Pam O'Ne	il	Approved By:	Katherine Pickford			
Title:	Regulatory Manager		Title:	Geoscientist			
Email Address:	pamo@vfpetroleum.com		Approved Date:	8/29/2022	Expiration Date: 8/29/2024		
Date:	8/24/2022	Phone: 432-683-3344	Conditions of Approval Attached				

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DISTRICT II

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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 30-015-49912	Pool Code 97257				
Property Code 27093	SCANLON DRA	orty Name W 34 STATE	Well Number 231H		
OGRID No. 24010		ator Name TROLEUM	Elevation 3511'		

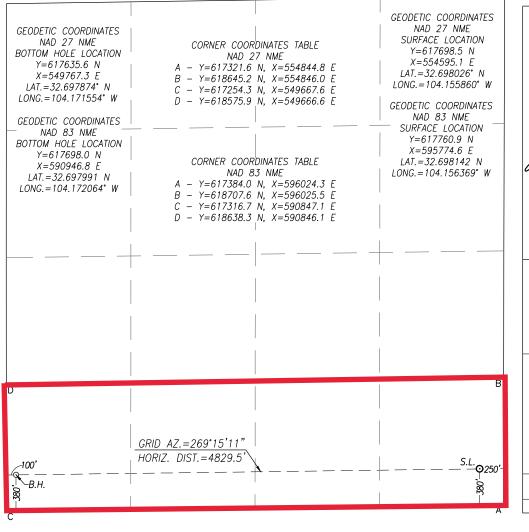
Surface Location

U	L or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	P	34	18-S	28-E		380	SOUTH	250	EAST	EDDY

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
M	M 34 18-S 28-E			380	SOUTH	100	WEST	EDDY	
Dedicated Acres	Joint or	Infill (Consolidation C	ode Ord	ler 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



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.

8/24/22 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 actual surveys made by me or under my substruction, and had the same is true and correct to the best of mylphilief.

JEM 18, 2023

Date of Survey Signature Seal PROFESSIONA

12641

Ronald J. Eidson 3239

ACK REL. W.O.:19110109 JWSC W.O.: 22.11.0233

Intent	:	As Dril	ed											
API#														
Opei	rator Nar	ne:				Prop	perty N	ame:						Well Number
						l								
Kick C	off Point	(KOP)												
UL	Section	Township	Range	Lot	Feet From N/S Feet From E/W Cou						County			
Latitu	de				Longitu	Longitude NAD					NAD			
					1									
First T	ake Poin	t (FTP)												
UL	Section	Township	Range	Lot	Feet		From N	I/S	Feet		Fron	n E/W	County	
Latitu	de				Longitu	ıde							NAD	
Lact T	ake Poin	+ /I TD\												
UL	Section	Township	Range	Lot	Feet	Fror	m N/S	Feet		From	E/W	Count	:y	
Latitu	de				Longitu	ıde						NAD		
Is this	well the	defining w	ell for th	ne Hori:	zontal Sp	pacing	g Unit?							
Is this	well an i	infill well?			7									
15 (1115	Well dir.				_									
	l is yes pl ng Unit.	ease provi	de API if	availak	ole, Opei	rator I	Name	and w	vell ni	umbei	r for I	Definir	ng well fo	r Horizontal
API#														
Opei	rator Nar	ne:	l			Prop	perty N	ame:						Well Number

KZ 06/29/2018

Form APD Conditions

Permit 324022

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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

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
V-F PETROLEUM INC [24010]	30-015-49912
P.O. Box 1889	Well:
Midland, TX 79702	SCANLON DRAW 34 STATE #231H

OCD	Condition
Reviewer	
kpickford	Notify OCD 24 hours prior to casing & cement
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud,

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator: _	V-F	PETROL	EUM INC	OGRID:	24010	Date: _	8 / 24/2022
II. Type: ☑ On	riginal 🗆	Amendment	due to □ 19.15.27.	9.D(6)(a) NMA	C □ 19.15.27.9.D(6)(b) NMAC 🗆 (Other.
If Other, please	describe:	:					
			ormation for each roor connected to a c			wells proposed to	be drilled or proposed to
Well Nan	ne	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Scanlon Draw 34 Sta	ate #221H		P 34 18S 28E	330 FSL 250 FE	1000	1500	2000
Scanlon Draw 34 Sta	ate #231H		P 34 18S 28E	380 FNL 250 FE	1000	1500	2000
proposed to be i	Schedule recomple	e: Provide the ted from a sing	gle well pad or con	nected to a centr	al delivery point.	vell or set of wells	9.15.27.9(D)(1) NMAC] proposed to be drilled or
Well Nam	ne	API	Spud Date	TD Reached Date	Completion Commencement		
Scanlon Draw 34 State	#221H		10/22/23	11/11/22	2/1/23	2/16/2	3 2/16/23
Scanlon Draw 34 State	#231H		10/1/22	10/20/22	2/1/23	2/16/23	3 2/16/23
VII. Operation Subsection A th	nal Pract irough Fo	ices: ☑ Attac of 19.15.27.8 I t Practices: ☑	h a complete descr NMAC.	ription of the act	tions Operator wil	I take to comply	t to optimize gas capture. with the requirements of ices to minimize venting

Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

🗹 Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering	Available Maximum Daily Capacity
			Start Date	of System Segment Tie-in

XI. Map. \square Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the
production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of
the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural	gas gathering system \square wi	ll □ will not have o	capacity to gather	100% of the anticipated	natural gas
production volume from the well	prior to the date of first prod	duction.			

XIII. Line Pressure. Operator \square does \square does not anticipate that its existing well(s) connected to the same segment, or portion	n, of the
natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new	vell(s).

\neg	A 44 1 4	O 4 9	1 .		1 4	•	4 41	1.1"	
	. Attach (Operator	s blan i	ro manage	production	in response	to the increa	sed line press	ure

XIV. Confidentiality: Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information pro-	ovided in
Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific inf	formation
for which confidentiality is asserted and the basis for such assertion.	

Section 3 - Certifications <u>Effective May 25, 2021</u>

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal: Departor will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system: or ☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. If Operator checks this box, Operator will select one of the following: Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or Venting and Flaring Plan.

Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including: power generation on lease; (a) **(b)** power generation for grid; compression on lease; (c) (d) liquids removal on lease; reinjection for underground storage; (e) **(f)** reinjection for temporary storage; **(g)** reinjection for enhanced oil recovery; fuel cell production; and (h) other alternative beneficial uses approved by the division. (i)

Section 4 - Notices

- 1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:
- (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
- (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
- 2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	form J. Lasa
Printed Name:	Jason J. Lodge
Title:	Geologist
E-mail Address:	Jason@vfpetroleum.com
Date:	8/24/22
Phone:	432-683-3344
	OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:	
Title:	
Approval Date:	
Conditions of A	pproval:

V-F Petroleum Inc Natural Gas Management Plan - Attachment

VI: Separation Equipment

V-F Petroleum Inc (V-F) has sized all separation equipment to be adequate to handle the maximum anticipated production facility rates for all three phases. Adequate separation relates to retention time for Liquid-Liquid separation and velocity for Gas-Liquid separation. Ancillary equipment and metering will be selected to be serviced without flow interruptions or the need to release gas from the well.

VII: Operational Practices

Drilling Operations

V-F will capture or combust natural gas using best industry practices and control technologies during drilling operations. A properly sized flare stack will be located at a minimum of 100 feet from the nearest surface hole location. Gas may be vented in an emergency to avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.

Completion/Recompletion Operations

During initial flowback, V-F will route flowback fluids into a completion or storage tank, and if possible, flare instead of vent any natural gas with a properly sized flare stack until it is able to flow through a separator and down a line for sales. In the unlikely event that produced natural gas does not meet pipeline specifications, V-F will flare it for 60 days or until the natural gas meets pipeline specifications, whichever is sooner.

Production Operations

Natural gas will not be flared with the exceptions and provisions listed in the 19.15.27.8 D (1) through (4). If there is no adequate takeaway for the separator gas, all effected wells will be shut in until takeaway issues are resolved. Exceptions would be emergency or major malfunction situations.

Performance Standards

All completion, production separation equipment, and storage tanks will be properly sized to handle the maximum anticipated volumes and pressures associated with each well. Any permanent storage tank associated with production operations that is routed to a flare or control device, will be equipped with an automatic gauging system that reduces the venting of natural gas. A properly sized flare stack will be securely anchored and installed at least 100 feet away from both the well(s) and storage tanks, and will be equipped with an automatic ignitor or continuous pilot. V-F will conduct AVO inspections on the frequency specified in 19.15.27.8 E (5) (b) and (c). V-F will do everything possible to minimize waste and will resolve emergencies as quickly and safely as possible.

Measurement and Estimation

Any vented or flared natural gas volumes will be estimated and reported appropriately. V-F will install equipment to measure the volume of natural gas flared from existing process piping or a flowline piped from equipment such as high-pressure separators, heater treaters, or vapor recovery units. All measuring equipment will adhere to industry standards set forth by the American Petroleum Institute Manual of Petroleum Measurement Standards Chapter 14.10. Measuring equipment will not be designed or equipped with a manifold that allows diversion of natural gas around a metering element, except for the sole purpose of inspecting and servicing the measurement equipment. Flared/vented

V-F Petroleum Inc Natural Gas Management Plan - Attachment

natural gas will be estimated if metering is not practical due to low flow rate or low pressures. This estimation will include but will not be limited to an annual GOR test reported to the division.

VIII: Best Management Practices

V-F will utilize best management practices to minimize venting during active and planned maintenance. Potential actions that will be considered include, but are not limited to:

- Venting limited to the depressurizing of the subject equipment to ensure a safe repair
- Identifying alternate capture methods
- Temporarily reduce production or shut-in wells during maintenance
- Flare if natural gas does not meet pipeline specifications
- Perform preventative maintenance to avoid potential equipment failure

Received by OCD: 8/29/2022 7:40:07 A MF Petroleum, Inc.
Site: Sec 34-T185-R29E
Well: Scanlon Draw 34 State 231H
Wellbore: Wellbore: Wellbore: #1
Plan: Plan #1 (Scanlon Draw 34 State 231H/Wellbore #1)

WELL DETAILS: Scanlon Draw 34 State 231H

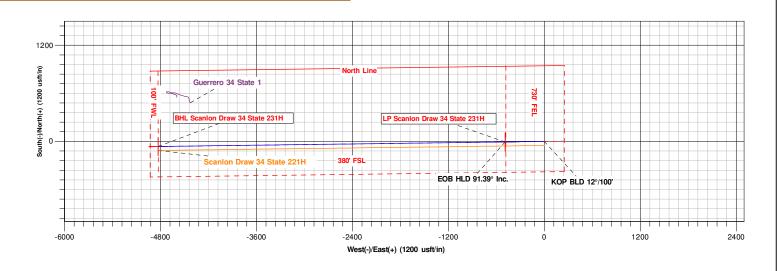
Ground Elevation:: 3511.0 RKB Elevation: 3511+27 @ 3538.0usft Rig Name:

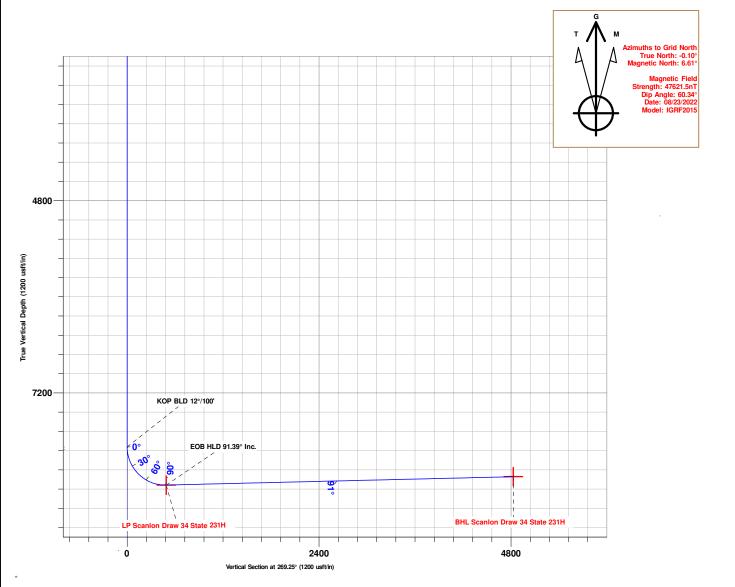
Easting Latittude Longitude 595774.60 32° 41′ 53.313 N 104° 9′ 22.929 W

Page 11 of 17
PANITIER

				SECTION	DETAILS				
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
7873.7	0.00	0.00	7873.7	0.0	0.0	0.00	0.00	0.0	
8635.3	91.39	269.25	8351.0	-6.4	-489.0	12.00	269.25	489.0	
12975.7	91.39	269.25	8246.0	-62.9	-4827.8	0.00	0.00	4828.2	

DESIGN TARGET DETAILS Name Name 2 Name





V-F Petroleum, Inc.

Eddy County, NM Sec 34-T18S-R28E Scanlon Draw 34 State 231H

Wellbore #1

Plan: Plan #1

Standard Planning Report

23 August, 2022

Planning Report

EDM 5000.15 Single User Db Database:

Company: V-F Petroleum, Inc. Project: Eddy County, NM Site: Sec 34-T18S-R28E

Well: Scanlon Draw 34 State 231H

Wellbore: Wellbore #1 Plan #1 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Scanlon Draw 34 State 231H

3511+27 @ 3538.0usft 3511+27 @ 3538.0usft

Grid

Minimum Curvature

Project Eddy County, NM

Map System: Geo Datum:

Map Zone:

US State Plane 1983 North American Datum 1983 New Mexico Eastern Zone

System Datum:

Mean Sea Level

Sec 34-T18S-R28E Site

Northing: 618,310.80 usft Site Position: Latitude: 32° 41' 58.827 N From: Мар Easting: 591,175.60 usft Longitude: 104° 10' 16.740 W **Position Uncertainty:** Slot Radius: 13-3/16 " **Grid Convergence:** 0.09 0.0 usft

Well Scanlon Draw 34 State 231H

Well Position +N/-S -549.9 usft Northing: 617,760.90 usft Latitude: 32° 41' 53.313 N +E/-W 4,599.0 usft Easting: 595,774.60 usft Longitude: 104° 9' 22.929 W

Position Uncertainty 0.0 usft Wellhead Elevation: **Ground Level:** 3,511.0 usft

Wellbore Wellbore #1 Magnetics **Model Name** Sample Date Declination **Dip Angle** Field Strength (nT) (°) (°) IGRF2015 47.621.47567151 08/23/22 6.70 60.34

Plan #1 Design Audit Notes: Version: Phase: PLAN Tie On Depth: 0.0 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 0 0 0.0 0.0 269.25

Plan Survey Tool Program 08/23/22 Date

Depth From Depth To (usft)

(usft) Survey (Wellbore)

Tool Name Remarks

MWD 0.0 12,975.0 Plan #1 (Wellbore #1)

OWSG MWD - Standard

Plan Sections Vertical Dogleg Build Measured Turn Depth Inclination Azimuth Depth +N/-S +E/-W Rate Rate Rate **TFO** (usft) (usft) (usft) (°/100usft) (°/100usft) (°/100usft) (°) (°) (usft) (°) Target 0.00 0.00 0.00 0.0 0.0 0.0 0.0 0.00 0.00 0.00 7,873.7 0.00 0.00 7,873.7 0.0 0.0 0.00 0.00 0.00 0.00 91.39 8,635.3 269.25 8,351.0 -6.4 -489.0 12.00 12.00 -11.92 269.25 12.975.7 91.39 269.25 8.246.0 -62.9 -4.827.8 0.00 0.00 0.00 0.00 BHL Scanlon Draw 34

Planning Report

Database: EDM 5000.15 Single User Db

Company:V-F Petroleum, Inc.Project:Eddy County, NMSite:Sec 34-T18S-R28E

Well: Scanlon Draw 34 State 231H

Wellbore: Wellbore #1

Design: Plan #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Scanlon Draw 34 State 231H

3511+27 @ 3538.0usft 3511+27 @ 3538.0usft

Grid

anned 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
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2 500 0	0.00	0.00	2 500 0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
	0.00			0.0			0.00		
4,700.0		0.00	4,700.0		0.0	0.0		0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
F 000 0	0.00	0.00	E 000 0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

Database: EDM 5000.15 Single User Db

Company:V-F Petroleum, Inc.Project:Eddy County, NMSite:Sec 34-T18S-R28E

Well: Scanlon Draw 34 State 231H

Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Scanlon Draw 34 State 231H

3511+27 @ 3538.0usft 3511+27 @ 3538.0usft

Grid

esign:	Plan #1								
Planned 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)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0 6,400.0	0.00 0.00	0.00 0.00	6,300.0 6,400.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	0.00 0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0 6,700.0	0.00 0.00	0.00 0.00	6,600.0 6,700.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	0.00 0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0 7,100.0	0.00 0.00	0.00 0.00	7,000.0 7,100.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	0.00 0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,873.7	0.00	0.00	7,873.7	0.0	0.0	0.0	0.00	0.00	0.00
KOP BLD 12°	'/100 '								
7,875.0	0.16	269.25	7,875.0	0.0	0.0	0.0	12.00	12.00	0.00
7,900.0	3.16	269.25	7,900.0	0.0	-0.7	0.7	12.00	12.00	0.00
7,925.0	6.16	269.25	7,924.9	0.0	-2.8	2.8	12.00	12.00	0.00
7,950.0	9.16	269.25	7,949.7	-0.1	-6.1	6.1	12.00	12.00	0.00
7,975.0	12.16	269.25	7,974.2	-0.1	-10.7	10.7	12.00	12.00	0.00
8,000.0	15.16	269.25	7,998.5	-0.2	-16.6	16.6	12.00	12.00	0.00
8,025.0	18.16	269.25	8,022.5	-0.3	-23.8	23.8	12.00	12.00	0.00
8,050.0	21.16	269.25	8,046.0	-0.4	-32.2	32.2	12.00	12.00	0.00
8,075.0	24.16	269.25	8,069.1	-0.5	-41.8	41.8	12.00	12.00	0.00
8,100.0	27.16	269.25	8,091.6	-0.7	-52.6	52.6	12.00	12.00	0.00
8,125.0	30.16	269.25	8,113.6	-0.8	-64.6	64.6	12.00	12.00	0.00
8,150.0	33.16	269.25	8,134.8	-1.0	-77.7	77.7	12.00	12.00	0.00
8,175.0 8,200.0	36.16 39.16	269.25 269.25	8,155.4 8,175.2	-1.2 -1.4	-91.9 -107.2	92.0 107.2	12.00 12.00	12.00 12.00	0.00 0.00
8,200.0 8,225.0	39.16 42.16	269.25 269.25	8,175.2 8,194.2	-1.4 -1.6	-107.2 -123.5	107.2	12.00	12.00	0.00
8,250.0	45.16	269.25	8,212.2	-1.8	-140.8	140.8	12.00	12.00	0.00
8,275.0 8,300.0	48.16 51.16	269.25 269.25	8,229.4 8,245.6	-2.1 -2.3	-158.9 -178.0	158.9 178.0	12.00 12.00	12.00 12.00	0.00 0.00
8,325.0	54.16	269.25	8,260.7	-2.5 -2.6	-176.0	197.9	12.00	12.00	0.00
8,350.0	57.16	269.25	8,274.8	-2.8	-218.5	218.5	12.00	12.00	0.00
8,375.0 8,400.0	60.16 63.16	269.25 269.25	8,287.8 8,299.7	-3.1 -3.4	-239.8 -261.8	239.9 261.9	12.00 12.00	12.00 12.00	0.00 0.00
8,425.0	66.16	269.25	8,310.4	-3.4 -3.7	-201.6 -284.4	284.5	12.00	12.00	0.00
8,450.0	69.16	269.25	8,319.9	-4.0	-307.5	307.6	12.00	12.00	0.00
8,475.0	72.16	269.25	8,328.2	-4.3	-331.1	331.2	12.00	12.00	0.00
8,500.0	75.16	269.25	8,335.2	-4.6	-355.1	355.1	12.00	12.00	0.00

Planning Report

Database: EDM 5000.15 Single User Db

Company:V-F Petroleum, Inc.Project:Eddy County, NMSite:Sec 34-T18S-R28E

Well: Scanlon Draw 34 State 231H

Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Scanlon Draw 34 State 231H

3511+27 @ 3538.0usft 3511+27 @ 3538.0usft

Grid

ned 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)
8,525.0	78.16	269.25	8,341.0	-4.9	-379.4	379.5	12.00	12.00	0.00
8,550.0	81.16	269.25	8,345.5	-5.3	-404.0	404.1	12.00	12.00	0.00
8,575.0	84.16	269.25	8,348.7	-5.6	-428.8	428.8	12.00	12.00	0.00
8,600.0	87.16	269.25	8,350.6	-5.9	-453.7	453.8	12.00	12.00	0.00
8,625.0	90.16	269.25	8,351.2	-6.2	-478.7	478.8	12.00	12.00	0.00
8,635.3	91.39	269.25	8,351.0	-6.4	-489.0	489.0	12.00	12.00	0.00
EOB HLD 91.		203.23	0,331.0	-0.4	-409.0	409.0	12.00	12.00	0.00
8,700.0	91.39	269.25	8,349.5	-7.2	-553.7	553.7	0.00	0.00	0.00
8,800.0	91.39	269.25	8,347.0	-7.2 -8.5	-653.7	653.7	0.00	0.00	0.00
8,900.0	91.39	269.25	8,344.6	-9.8	-753.6	753.7	0.00	0.00	0.00
9,000.0	91.39	269.25	8,342.2	-11.1	-853.6	853.7	0.00	0.00	0.00
9,100.0	91.39	269.25	8,339.8	-12.4	-953.5	953.6	0.00	0.00	0.00
9,200.0	91.39	269.25	8,337.4	-13.7	-1,053.5	1,053.6	0.00	0.00	0.00
9,300.0	91.39	269.25	8,334.9	-15.0	-1,153.5	1,153.6	0.00	0.00	0.00
9,400.0	91.39	269.25	8,332.5	-16.3	-1,253.4	1,253.5	0.00	0.00	0.00
9,500.0	91.39	269.25	8,330.1	-17.6	-1,353.4	1,353.5	0.00	0.00	0.00
9,600.0	91.39	269.25	8,327.7	-18.9	-1,453.4	1,453.5	0.00	0.00	0.00
9,700.0	91.39	269.25	8,325.3	-20.2	-1,553.3	1,553.5	0.00	0.00	0.00
9,800.0	91.39	269.25	8,322.8	-21.5	-1,653.3	1,653.4	0.00	0.00	0.00
9,900.0	91.39	269.25	8,320.4	-22.8	-1,753.2	1,753.4	0.00	0.00	0.00
10,000.0	91.39	269.25	8,318.0	-24.1	-1,853.2	1,853.4	0.00	0.00	0.00
10,100.0	91.39	269.25	8,315.6	-25.4	-1,953.2	1,953.3	0.00	0.00	0.00
10,200.0	91.39	269.25	8,313.2	-26.7	-2,053.1	2,053.3	0.00	0.00	0.00
10,300.0	91.39	269.25	8,310.7	-28.1	-2,153.1	2,153.3	0.00	0.00	0.00
10,400.0	91.39	269.25	8,308.3	-29.4	-2,253.1	2,253.2	0.00	0.00	0.00
10,500.0	91.39	269.25	8,305.9	-30.7	-2,353.0	2,353.2	0.00	0.00	0.00
10,600.0	91.39	269.25	8,303.5	-32.0	-2,453.0	2,453.2	0.00	0.00	0.00
10,700.0	91.39	269.25	8,301.1	-33.3	-2,552.9	2,553.2	0.00	0.00	0.00
10,800.0	91.39	269.25	8,298.6	-34.6	-2,652.9	2,653.1	0.00	0.00	0.00
10,900.0	91.39	269.25	8,296.2	-35.9	-2,752.9	2,753.1	0.00	0.00	0.00
11,000.0	91.39	269.25	8,293.8	-37.2	-2,852.8	2,853.1	0.00	0.00	0.00
11,100.0	91.39	269.25	8,291.4	-38.5	-2,952.8	2,953.0	0.00	0.00	0.00
11,200.0	91.39	269.25	8,289.0	-39.8	-3,052.8	3,053.0	0.00	0.00	0.00
11,300.0	91.39	269.25	8,286.5	-41.1	-3,152.7	3,153.0	0.00	0.00	0.00
11,400.0	91.39	269.25	8,284.1	-42.4	-3,252.7	3,253.0	0.00	0.00	0.00
11,500.0	91.39	269.25	8,281.7	-43.7	-3,352.6	3,352.9	0.00	0.00	0.00
11,600.0	91.39	269.25	8,279.3	-45.0	-3,452.6	3,452.9	0.00	0.00	0.00
11,700.0	91.39	269.25	8,276.9	-46.3	-3,552.6	3,552.9	0.00	0.00	0.00
11,800.0	91.39	269.25	8,274.4	-47.6	-3,652.5	3,652.8	0.00	0.00	0.00
11,900.0	91.39	269.25	8,272.0	-48.9	-3,752.5	3,752.8	0.00	0.00	0.00
12,000.0	91.39	269.25	8,269.6	-50.2	-3,852.5	3,852.8	0.00	0.00	0.00
12,100.0	91.39	269.25	8,267.2	-51.5	-3,952.4	3,952.7	0.00	0.00	0.00
12,200.0	91.39	269.25	8,264.8	-52.8	-4,052.4	4,052.7	0.00	0.00	0.00
12,300.0	91.39	269.25	8,262.4	-54.1	-4,152.3	4,152.7	0.00	0.00	0.00
12,400.0	91.39	269.25	8,259.9	-55.4	-4,252.3	4,252.7	0.00	0.00	0.00
12,500.0	91.39	269.25	8,257.5	-56.7	-4,352.3	4,352.6	0.00	0.00	0.00
12,600.0	91.39	269.25	8,255.1	-58.0	-4,352.3 -4,452.2	4,352.6	0.00	0.00	0.00
12,700.0	91.39	269.25	8,252.7	-59.3	-4,452.2 -4,552.2	4,452.6	0.00	0.00	0.00
12,800.0	91.39	269.25	8,250.3	-60.6	-4,552.2 -4,652.1	4,652.5	0.00	0.00	0.00
12,900.0	91.39	269.25	8,247.8	-61.9	-4,052.1 -4,752.1	4,052.5	0.00	0.00	0.00
12,975.7	91.39	269.25	8,246.0	-62.9	-4,827.8	4,828.2	0.00	0.00	0.00

Planning Report

Database: EDM 5000.15 Single User Db

 Company:
 V-F Petroleum, Inc.

 Project:
 Eddy County, NM

 Site:
 Sec 34-T18S-R28E

Well: Scanlon Draw 34 State 231H

Wellbore: Wellbore #1

Design: Plan #1

Local Co-ordinate Reference:

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MD Reference:
North Reference:

Survey Calculation Method:

Well Scanlon Draw 34 State 231H

3511+27 @ 3538.0usft 3511+27 @ 3538.0usft

Grid

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL Scanlon Draw 34 S - plan hits target cente - Point	0.00 er	0.00	8,246.0	-62.9	-4,827.8	617,698.00	590,946.80	32° 41' 52.766 N	104° 10' 19.429 W
LP Scanlon Draw 34 Sta - plan hits target cente - Point	0.00 er	0.00	8,351.0	-6.4	-489.0	617,754.50	595,285.60	32° 41' 53.257 N	104° 9' 28.652 W

Plan Annotations				
Measured Depth	Vertical Depth	Local Coor +N/-S	dinates +E/-W	
(usft)	(usft)	(usft)	(usft)	Comment
7,873.7	7,873.7	0.0	0.0	KOP BLD 12°/100'
8,635.3	8,351.0	-6.4	-489.0	EOB HLD 91.39° Inc.
12,975.7	8,246.0	-62.9	-4,827.8	TD at 12975.7