Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

Form C-101
August 1, 2011

Permit 386778

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

1. Operator Name and Address	2. OGRID Number
V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	24010
	3. API Number 30-015-56738

4. Property Code	5. Property Name	6. Well No.
330332	Walker 35 34 33 State Com	234H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	35	18S	28E	C	263	N	1824	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
D	33	18S	28E	D	330	N	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	3497
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date
N	20749	Bone Spring		6/1/2025
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	500	425	0
Int1	12.25	9.625	40	3500	950	0
Prod	8.75	5.5	20	20749	3500	2500

Casing/Cement Program: Additional Comments

Production Fluid Type will be Cut Brine/OBM; Production casing grade is HCPP-110

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	TBD
Double Ram	5000	5000	TBD

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.** Signature:		**OIL CONSERVATION DIVISION**		
Printed Name:	Electronically filed by Pam O'Neil	Approved By:	Jeffrey Harrison	
Title:	Regulatory Manager	Title:	Petroleum Specialist III	
Email Address:	pamo@vfpetroleum.com	Approved Date:	6/12/2025	Expiration Date: 6/12/2027
Date:	4/1/2025 Phone: 432-683-3344	Conditions of Approval Attached		

C-102	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
Submit Electronically Via OCD Permitting		Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-56738	97257	TRAVIS; BONESPRING

Property Code	Property Name	Well Number
330332	WALKER 35 34 33 STATE COM	#234H

OGRID No.	Operator Name	Ground Level Elevation
24010	V-F PETROLEUM INC	3497'

Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	35	18 S	28 E		263' FNL	1824' FWL	32.710991°	-104.149570°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	33	18 S	28 E		330' FNL	100' FWL	32.710375°	-104.188942°	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
400.00	Infill	Walker 353433 State Com 224H	Y	C

Order Numbers. N/A

Well setbacks are under Common Ownership: ☒Yes ☐No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	35	18 S	28 E		360' FNL	1870' FWL	32.710725°	-104.149421°	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	35	18 S	28 E		330' FNL	1298' FWL	32.710792°	-104.151281°	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	33	18 S	28 E		330' FNL	100' FWL	32.710375°	-104.188942°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
		3497'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Cory Walk 01-23-2025

Signature Date

Cory Walk

Printed Name

cory@permitswest.com

Email Address

SURVEYOR CERTIFICATIONS

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.

17 Jan 2025

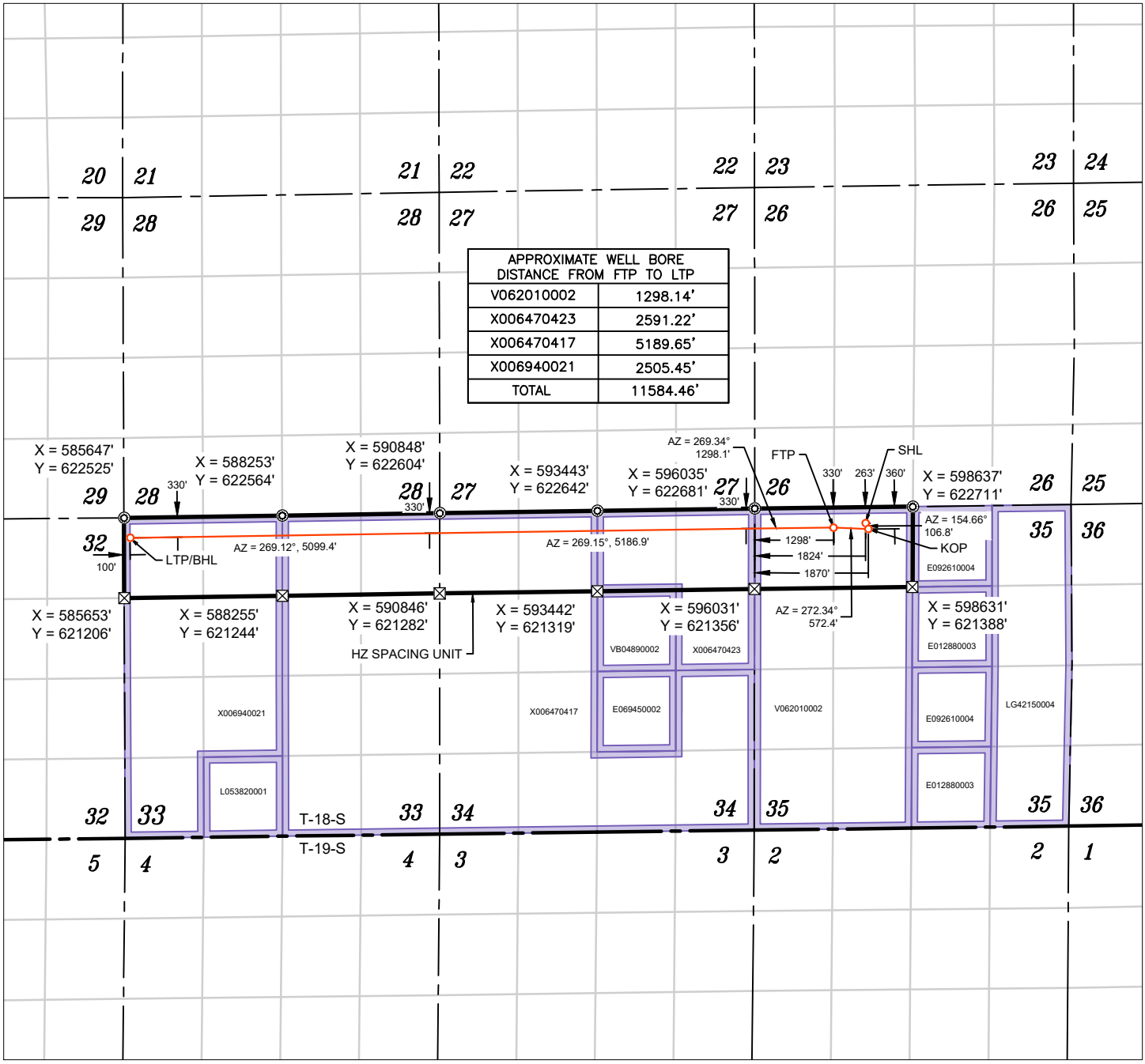
TIM C. PAPPAS NEW MEXICO 21209 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

21209 JANUARY 16, 2025

Certificate Number Date of Survey

Note: 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.



WELL NAME: WALKER 35-34-33 STATE COM #234H
ELEVATION: 3497'

NAD 83 (SHL) 263' FNL & 1824' FWL
LATITUDE = 32.710991°
LONGITUDE = -104.149570°
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32.710874°
LONGITUDE = -104.149060°
STATE PLANE NAD 83 (N.M. EAST)
N: 622438.78' E: 597858.17'
STATE PLANE NAD 27 (N.M. EAST)
N: 622376.24' E: 556678.75'

NAD 83 (KOP) 360' FNL & 1870' FWL
LATITUDE = 32.710725°
LONGITUDE = -104.149421°
NAD 27 (KOP)
LATITUDE = 32.710608°
LONGITUDE = -104.148911°
STATE PLANE NAD 83 (N.M. EAST)
N: 622342.31' E: 597903.87'
STATE PLANE NAD 27 (N.M. EAST)
N: 622279.77' E: 556724.45'

NAD 83 (FTP) 330' FNL & 1298' FWL
LATITUDE = 32.710792°
LONGITUDE = -104.151281°
NAD 27 (FTP)
LATITUDE = 32.710675°
LONGITUDE = -104.150771°
STATE PLANE NAD 83 (N.M. EAST)
N: 622365.68' E: 597331.94'
STATE PLANE NAD 27 (N.M. EAST)
N: 622303.15' E: 556152.52'

NAD 83 (LTP/BHL) 330' FNL & 100' FWL
LATITUDE = 32.710375°
LONGITUDE = -104.188942°
NAD 27 (LTP/BHL)
LATITUDE = 32.710259°
LONGITUDE = -104.188431°
STATE PLANE NAD 83 (N.M. EAST)
N: 622196.01' E: 585748.72'
STATE PLANE NAD 27 (N.M. EAST)
N: 622133.56' E: 544569.28'

FOUND MONUMENT
CALC. CORNER
SHL/ KOP/ FTP / PPP/ LTP / BHL
HORIZONTAL SPACING UNIT
STATE OIL & GAS LEASE
BLM OIL & GAS LEASE

0' 2500' 5000'
SCALE: 1" = 2500'

NOTES

1. ALL COORDINATES, BEARINGS, AND DISTANCES CONTAINED HEREIN ARE GRID, BASED UPON THE NEW MEXICO STATE PLANE COORDINATES SYSTEM, NORTH AMERICAN DATUM 83, NEW MEXICO EAST (3001).

2. THIS DOCUMENT IS BASED UPON AN ON THE GROUND SURVEY PERFORMED DURING JANUARY, 2025. CERTIFICATION OF THIS DOCUMENT IS ONLY TO THE LOCATION OF THIS EASEMENT IN RELATION TO RECORDED MONUMENT OF DEEDS PROVIDED BY THE CLIENT.

3. ELEVATIONS MSL, DERIVED FROM G.N.S.S. OBSERVATION AND DERIVED FROM SAID ON-THE-GROUND SURVEY.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

Form APD Comments

Permit 386778

PERMIT COMMENTS

Operator Name and Address:	API Number:
V-F PETROLEUM INC [24010] P.O. Box 1889 Midland, TX 79702	30-015-56738
	Well: Walker 35 34 33 State Com #234H

Created By	Comment	Comment Date
bwood	Dedicate acreage includes Section 35, Units C & D = 80 acres	4/1/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

Form APD Conditions

Permit 386778

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
V-F PETROLEUM INC [24010] P.O. Box 1889 Midland, TX 79702	30-015-56738
	Well: Walker 35 34 33 State Com #234H

OCD Reviewer	Condition
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	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.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate1 strings of casing.
jeffrey.harrison	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, drilling fluids and solids must be contained in a steel closed loop system.
jeffrey.harrison	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
jeffrey.harrison	Surface casing shall be set a minimum of 25' into the Rustler Anhydrite, above the salt, and below usable fresh water and cemented to the surface. If salt is encountered set casing at least 25 ft. above the salt.

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 Petroleum Inc. **OGRID:** 24010 **Date:** 08/18/21

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.
If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Walker 35-34-33 State Com 224H		C-35-18S-28E	223 FNL; 1824 FWL	600	1,000	1850
Walker 35-34-33 State Com 234H		D-35-18S-28E	263 FNL; 1824 FWL	400	2,000	3,000

IV. Central Delivery Point Name: Walker Central Tank Battery [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Walker 35-34-33 State Com 224H		06/01/2025	06/18/2025	08/15/2025	09/20/2025	09/25/2025
Walker 35-34-33 State Com 234H		06/23/2021	07/31/2025	08/15/2025	09/20/2022	09/25/2025

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

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 Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ 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 ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

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

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided 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 information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator 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:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

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:	Bill Pierce
Printed Name:	Bill Pierce
Title:	Operations Manager
E-mail Address:	bill@vfpetroleum.com
Date:	January 21, 2025
Phone:	432 683-3344

OIL CONSERVATION DIVISION

(Only applicable when submitted as a standalone form)

Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

V-F Petroleum Inc.
Natural Gas Management Plan

VI. Separation equipment will be sized by construction engineering staff based on stated manufacturer daily throughput capacities and anticipated daily production rates to ensure adequate capacity. Closed vent system piping, compression needs, and VRUs will be sized utilizing ProMax modeling software to ensure adequate capacity for anticipated production volumes and conditions.

VII. V – F Petroleum will take the following actions to comply with the regulations listed in 19.15.27.8:

A. V – F Petroleum will maximize the recovery of natural gas by minimizing the waste, as defined by 19.15.2 NMAC, of natural gas through venting and flaring. V – F Petroleum will ensure that well(s) will be connected to a natural gas gathering system with sufficient capacity to transport natural gas.

B. All drilling operations will be equipped with a rig flare located at least 100' from the nearest surface hole. Rig flare will be utilized to combust any natural gas that is brought to surface during normal drilling operations. In the case of emergency venting or flaring the volumes will be estimated and reported appropriately.

C. During completion operations any natural gas brought to surface will be flared. Immediately following the finish of completion operations, all well flowback will be directed to permanent separation equipment. Produced natural gas from separation equipment will be sent to sales. It is not anticipated that gas will not meet pipeline standards. However, if natural gas does not meet gathering pipeline quality specifications, V – F Petroleum will flare the natural gas for 60 days or until the natural gas meets the pipeline quality specifications, whichever is sooner. V – F Petroleum will ensure that the flare is sized properly and is equipped with automatic igniter or continuous pilot. The gas sample will be analyzed twice per week and the gas will be routed into a gathering system as soon as pipeline specifications are met.

D. Natural gas will not be flared with the exceptions and provisions listed in the 19.15.27.8 D.(I) through (4). If there is no adequate takeaway for the separator gas, well(s) will be shut in until the natural gas gathering system is available with exception of emergency or malfunction situations. Venting and/or flaring volumes will be estimated and reported appropriately.

E. V – F Petroleum will comply with the performance standards requirements and provisions listed in 19.15.27.8 (l) through (8). All equipment will be designed and sized to handle maximum anticipated pressures and throughputs to minimize the waste. Production storage tanks constructed after May 25, 2021, will be equipped with automatic gauging system. Flares constructed after May 25, 2021, will be equipped with automatic igniter or continuous pilot. Flares will be located at least 100' from the well and storage tanks unless otherwise approved by the division. V – F Petroleum will conduct AVO inspections as described in 19.15.27.8 E (5) (a) with frequencies specified in 19.15.27.8 E (5) (b) and (c). All emergencies will be resolved as quickly and safely as feasible to minimize waste.

F. The volume of natural gas that is vented or flared as the result of malfunction or emergency during drilling and completions operations will be estimated. The volume of natural gas that is vented, flared, or beneficially used during production operations, will be measured, or estimated. V – F Petroleum will install equipment to measure same when available.

VIII. For maintenance activities involving production equipment and compression, venting will be limited to the depressurization of the subject equipment to ensure safe working conditions. For maintenance of production and compression equipment the associated producing wells will be shut in to eliminate venting. For maintenance of VRUs all gas normally routed to the VRU will be routed to flare to eliminate venting.

Project: Eddy County, NM
Site: Sec 35-T18S-R28E
Well: Walker 35-34-33 State Com 234H
Wellbore: Wellbore #1
Plan: Plan #1 (Walker 35-34-33 State Com 234H/Wellbore #1)

WELL DETAILS: Walker 35-34-33 State Com 234H

Ground Elevation:: 3497.0
RKB Elevation: 3497+25 @ 3522.0usft
Rig Name:

Northing	Easting	Latitude	Longitude
622438.78	597858.17	32° 42' 39.566 N	104° 8' 58.450 W

DESIGN TARGET DETAILS

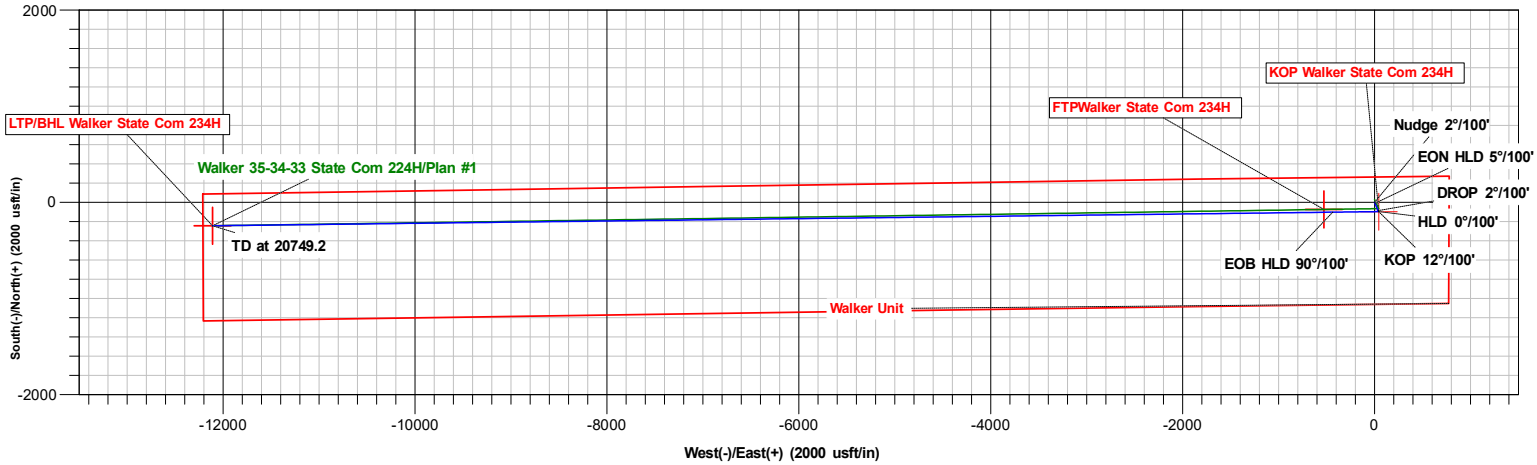
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KOP Walker State Com 234H	7806.0	-96.5	45.7	622342.31	597903.83	32° 42' 38.611 N	104° 8' 57.918 W
	- plan misses target center by 3.2usft at 7810.2usft MD (7806.0 TVD, -95.6 N, 42.5 E)						
FTPWalker State Com 234H	8797.0	-73.1	-526.2	622365.68	597331.94	32° 42' 38.852 N	104° 9' 4.611 W
	- plan misses target center by 29.3usft at 9164.8usft MD (8797.0 TVD, -102.4 N, -525.9 E)						
LTP/BHL Walker State Com 234H	8797.0	-242.8	-12109.5	622196.01	585748.72	32° 42' 37.350 N	104° 11' 20.190 W
	- plan hits target center						

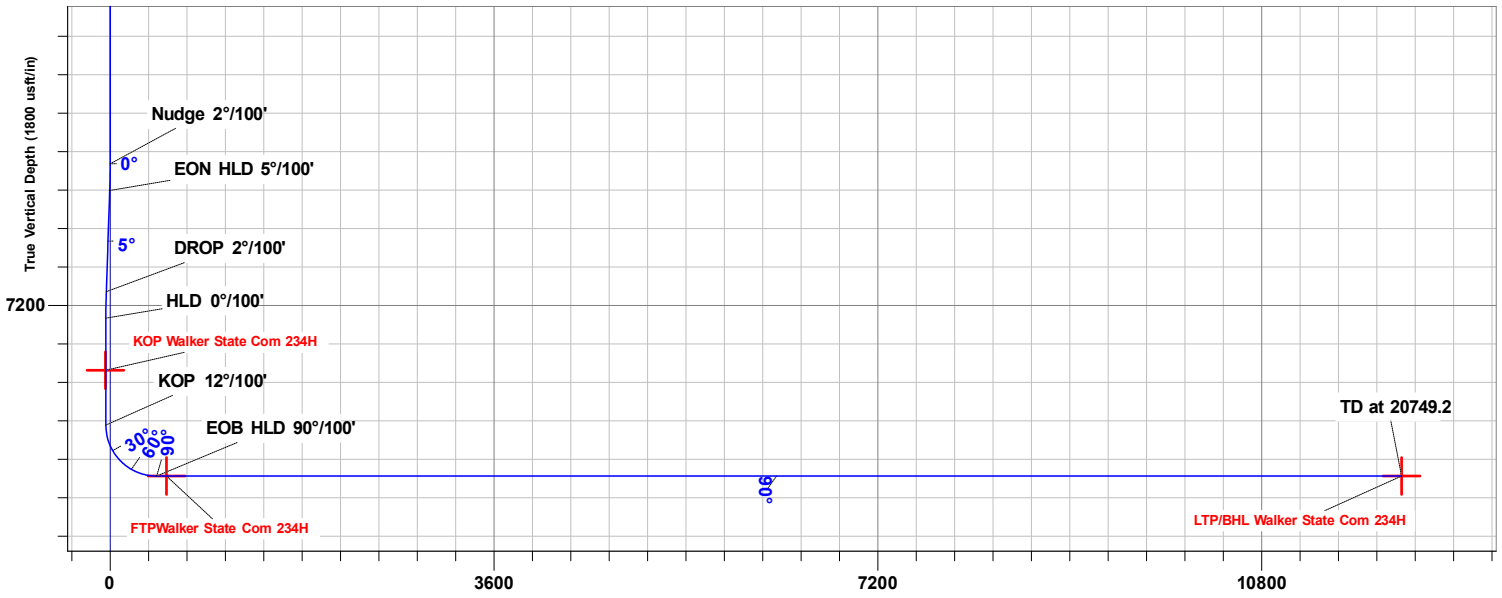
Azimuths to Grid North
True North: -0.10°
Magnetic North: 6.89°

Magnetic Field
Strength: 47902.8nT
Dip Angle: 60.38°
Date: 12/31/2019
Model: IGRF2015

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
5873.8	0.00	0.00	5873.8	0.0	0.0	0.00	0.00	0.0
6123.8	5.00	156.00	6123.5	-10.0	4.4	2.00	156.00	-4.2
7073.8	5.00	156.00	7069.9	-85.6	38.1	0.00	0.00	-36.4
7323.8	0.00	0.00	7319.6	-95.6	42.5	2.00	180.00	-40.6
8323.8	0.00	0.00	8319.6	-95.6	42.5	0.00	0.00	-40.6
9073.8	90.00	269.31	8797.0	-101.3	-434.9	12.00	269.31	436.8
20749.2	90.00	269.31	8797.0	-242.8	-12109.5	0.00	0.00	12111.9





V-F Petroleum, Inc.

Eddy County, NM
Sec 35-T18S-R28E
Walker 35-34-33 State Com 234H

Wellbore #1

Plan: Plan #1

Standard Planning Report

22 January, 2025

Amazon.com

Planning Report

Database:	WC365	**Local Co-ordinate Reference:**	Well Walker 35-34-33 State Com 234H
Company:	V-F Petroleum, Inc.	**TVD Reference:**	3497+25 @ 3522.0usft
Project:	Eddy County, NM	**MD Reference:**	3497+25 @ 3522.0usft
Site:	Sec 35-T18S-R28E	**North Reference:**	Grid
Well:	Walker 35-34-33 State Com 234H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

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 35-T18S-R28E

Site Position:		**Northing:**	622,468.79 usft	**Latitude:**	32° 42' 39.863 N
From:	Map	**Easting:**	597,858.26 usft	**Longitude:**	104° 8' 58.449 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well Walker 35-34-33 State Com 234H

Well Position	**+N/-S**	0.0 usft	**Northing:**	622,438.78 usft	**Latitude:**	32° 42' 39.566 N
	+E/-W	0.0 usft	**Easting:**	597,858.17 usft	**Longitude:**	104° 8' 58.450 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,497.0 usft
Grid Convergence:		0.10 °				

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2019	6.99	60.38	47,902.76250856

Design Plan #1

Audit Notes:

Version:	**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	268.85

Plan Survey Tool Program **Date** 1/22/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,749.2	Plan #1 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,873.8	0.00	0.00	5,873.8	0.0	0.0	0.00	0.00	0.00	0.00	
6,123.8	5.00	156.00	6,123.5	-10.0	4.4	2.00	2.00	0.00	156.00	
7,073.8	5.00	156.00	7,069.9	-85.6	38.1	0.00	0.00	0.00	0.00	
7,323.8	0.00	0.00	7,319.6	-95.6	42.5	2.00	-2.00	0.00	180.00	
8,323.8	0.00	0.00	8,319.6	-95.6	42.5	0.00	0.00	0.00	0.00	
9,073.8	90.00	269.31	8,797.0	-101.3	-434.9	12.00	12.00	-12.09	269.31	
20,749.2	90.00	269.31	8,797.0	-242.8	-12,109.4	0.00	0.00	0.00	0.00	LTP/BHL Walker State

Amazon.com
Planning Report

Database:	WC365	**Local Co-ordinate Reference:**	Well Walker 35-34-33 State Com 234H
Company:	V-F Petroleum, Inc.	**TVD Reference:**	3497+25 @ 3522.0usft
Project:	Eddy County, NM	**MD Reference:**	3497+25 @ 3522.0usft
Site:	Sec 35-T18S-R28E	**North Reference:**	Grid
Well:	Walker 35-34-33 State Com 234H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
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
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
2,500.0	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
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
4,500.0	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
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	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
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

Amazon.com
Planning Report

Database:	WC365	**Local Co-ordinate Reference:**	Well Walker 35-34-33 State Com 234H
Company:	V-F Petroleum, Inc.	**TVD Reference:**	3497+25 @ 3522.0usft
Project:	Eddy County, NM	**MD Reference:**	3497+25 @ 3522.0usft
Site:	Sec 35-T18S-R28E	**North Reference:**	Grid
Well:	Walker 35-34-33 State Com 234H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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
5,873.8	0.00	0.00	5,873.8	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.52	156.00	5,900.0	-0.1	0.0	0.0	2.00	2.00	0.00
6,000.0	2.52	156.00	6,000.0	-2.5	1.1	-1.1	2.00	2.00	0.00
6,100.0	4.52	156.00	6,099.8	-8.2	3.6	-3.5	2.00	2.00	0.00
6,123.8	5.00	156.00	6,123.5	-10.0	4.4	-4.2	2.00	2.00	0.00
6,200.0	5.00	156.00	6,199.4	-16.0	7.1	-6.8	0.00	0.00	0.00
6,300.0	5.00	156.00	6,299.0	-24.0	10.7	-10.2	0.00	0.00	0.00
6,400.0	5.00	156.00	6,398.6	-32.0	14.2	-13.6	0.00	0.00	0.00
6,500.0	5.00	156.00	6,498.3	-39.9	17.8	-17.0	0.00	0.00	0.00
6,600.0	5.00	156.00	6,597.9	-47.9	21.3	-20.4	0.00	0.00	0.00
6,700.0	5.00	156.00	6,697.5	-55.8	24.9	-23.7	0.00	0.00	0.00
6,800.0	5.00	156.00	6,797.1	-63.8	28.4	-27.1	0.00	0.00	0.00
6,900.0	5.00	156.00	6,896.7	-71.8	31.9	-30.5	0.00	0.00	0.00
7,000.0	5.00	156.00	6,996.3	-79.7	35.5	-33.9	0.00	0.00	0.00
7,073.8	5.00	156.00	7,069.9	-85.6	38.1	-36.4	0.00	0.00	0.00
7,100.0	4.48	156.00	7,096.0	-87.6	39.0	-37.2	2.00	-2.00	0.00
7,200.0	2.48	156.00	7,195.8	-93.1	41.5	-39.6	2.00	-2.00	0.00
7,300.0	0.48	156.00	7,295.8	-95.5	42.5	-40.6	2.00	-2.00	0.00
7,323.8	0.00	0.00	7,319.6	-95.6	42.5	-40.6	2.00	-2.00	0.00
7,400.0	0.00	0.00	7,395.8	-95.6	42.5	-40.6	0.00	0.00	0.00
7,500.0	0.00	0.00	7,495.8	-95.6	42.5	-40.6	0.00	0.00	0.00
7,600.0	0.00	0.00	7,595.8	-95.6	42.5	-40.6	0.00	0.00	0.00
7,700.0	0.00	0.00	7,695.8	-95.6	42.5	-40.6	0.00	0.00	0.00
7,800.0	0.00	0.00	7,795.8	-95.6	42.5	-40.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,895.8	-95.6	42.5	-40.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,995.8	-95.6	42.5	-40.6	0.00	0.00	0.00
8,100.0	0.00	0.00	8,095.8	-95.6	42.5	-40.6	0.00	0.00	0.00
8,200.0	0.00	0.00	8,195.8	-95.6	42.5	-40.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,295.8	-95.6	42.5	-40.6	0.00	0.00	0.00
8,323.8	0.00	0.00	8,319.6	-95.6	42.5	-40.6	0.00	0.00	0.00
8,325.0	0.14	269.31	8,320.8	-95.6	42.5	-40.6	12.00	12.00	0.00
8,350.0	3.14	269.31	8,345.7	-95.6	41.8	-39.9	12.00	12.00	0.00
8,375.0	6.14	269.31	8,370.7	-95.6	39.8	-37.9	12.00	12.00	0.00
8,400.0	9.14	269.31	8,395.4	-95.6	36.5	-34.6	12.00	12.00	0.00
8,425.0	12.14	269.31	8,420.0	-95.7	31.9	-29.9	12.00	12.00	0.00
8,450.0	15.14	269.31	8,444.3	-95.8	26.0	-24.0	12.00	12.00	0.00
8,475.0	18.14	269.31	8,468.2	-95.8	18.8	-16.9	12.00	12.00	0.00
8,500.0	21.14	269.31	8,491.8	-95.9	10.4	-8.5	12.00	12.00	0.00
8,525.0	24.14	269.31	8,514.8	-96.1	0.8	1.1	12.00	12.00	0.00
8,550.0	27.14	269.31	8,537.4	-96.2	-10.0	12.0	12.00	12.00	0.00
8,575.0	30.14	269.31	8,559.3	-96.3	-22.0	23.9	12.00	12.00	0.00
8,600.0	33.14	269.31	8,580.6	-96.5	-35.1	37.1	12.00	12.00	0.00
8,625.0	36.14	269.31	8,601.2	-96.7	-49.3	51.3	12.00	12.00	0.00
8,650.0	39.14	269.31	8,621.0	-96.9	-64.6	66.5	12.00	12.00	0.00
8,675.0	42.14	269.31	8,639.9	-97.1	-80.9	82.8	12.00	12.00	0.00
8,700.0	45.14	269.31	8,658.0	-97.3	-98.1	100.1	12.00	12.00	0.00
8,725.0	48.14	269.31	8,675.2	-97.5	-116.3	118.2	12.00	12.00	0.00
8,750.0	51.14	269.31	8,691.4	-97.7	-135.4	137.3	12.00	12.00	0.00

Amazon.com

Planning Report

Database:	WC365	**Local Co-ordinate Reference:**	Well Walker 35-34-33 State Com 234H
Company:	V-F Petroleum, Inc.	**TVD Reference:**	3497+25 @ 3522.0usft
Project:	Eddy County, NM	**MD Reference:**	3497+25 @ 3522.0usft
Site:	Sec 35-T18S-R28E	**North Reference:**	Grid
Well:	Walker 35-34-33 State Com 234H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
8,775.0	54.14	269.31	8,706.5	-98.0	-155.2	157.2	12.00	12.00	0.00
8,800.0	57.14	269.31	8,720.6	-98.2	-175.9	177.8	12.00	12.00	0.00
8,825.0	60.14	269.31	8,733.6	-98.5	-197.2	199.1	12.00	12.00	0.00
8,850.0	63.14	269.31	8,745.5	-98.7	-219.2	221.1	12.00	12.00	0.00
8,875.0	66.14	269.31	8,756.2	-99.0	-241.8	243.7	12.00	12.00	0.00
8,900.0	69.14	269.31	8,765.7	-99.3	-264.9	266.8	12.00	12.00	0.00
8,925.0	72.14	269.31	8,774.0	-99.6	-288.5	290.4	12.00	12.00	0.00
8,950.0	75.14	269.31	8,781.1	-99.9	-312.5	314.4	12.00	12.00	0.00
8,975.0	78.14	269.31	8,786.8	-100.2	-336.8	338.7	12.00	12.00	0.00
9,000.0	81.14	269.31	8,791.3	-100.5	-361.4	363.3	12.00	12.00	0.00
9,025.0	84.14	269.31	8,794.5	-100.8	-386.2	388.1	12.00	12.00	0.00
9,050.0	87.14	269.31	8,796.4	-101.1	-411.1	413.0	12.00	12.00	0.00
9,073.8	90.00	269.31	8,797.0	-101.3	-434.9	436.8	12.00	12.00	0.00
9,100.0	90.00	269.31	8,797.0	-101.7	-461.1	463.0	0.00	0.00	0.00
9,200.0	90.00	269.31	8,797.0	-102.9	-561.1	563.0	0.00	0.00	0.00
9,300.0	90.00	269.31	8,797.0	-104.1	-661.1	663.0	0.00	0.00	0.00
9,400.0	90.00	269.31	8,797.0	-105.3	-761.1	763.0	0.00	0.00	0.00
9,500.0	90.00	269.31	8,797.0	-106.5	-861.1	863.0	0.00	0.00	0.00
9,600.0	90.00	269.31	8,797.0	-107.7	-961.0	963.0	0.00	0.00	0.00
9,700.0	90.00	269.31	8,797.0	-108.9	-1,061.0	1,063.0	0.00	0.00	0.00
9,800.0	90.00	269.31	8,797.0	-110.1	-1,161.0	1,163.0	0.00	0.00	0.00
9,900.0	90.00	269.31	8,797.0	-111.3	-1,261.0	1,263.0	0.00	0.00	0.00
10,000.0	90.00	269.31	8,797.0	-112.6	-1,361.0	1,363.0	0.00	0.00	0.00
10,100.0	90.00	269.31	8,797.0	-113.8	-1,461.0	1,463.0	0.00	0.00	0.00
10,200.0	90.00	269.31	8,797.0	-115.0	-1,561.0	1,563.0	0.00	0.00	0.00
10,300.0	90.00	269.31	8,797.0	-116.2	-1,661.0	1,663.0	0.00	0.00	0.00
10,400.0	90.00	269.31	8,797.0	-117.4	-1,761.0	1,763.0	0.00	0.00	0.00
10,500.0	90.00	269.31	8,797.0	-118.6	-1,861.0	1,863.0	0.00	0.00	0.00
10,600.0	90.00	269.31	8,797.0	-119.8	-1,961.0	1,963.0	0.00	0.00	0.00
10,700.0	90.00	269.31	8,797.0	-121.0	-2,061.0	2,063.0	0.00	0.00	0.00
10,800.0	90.00	269.31	8,797.0	-122.3	-2,161.0	2,163.0	0.00	0.00	0.00
10,900.0	90.00	269.31	8,797.0	-123.5	-2,261.0	2,263.0	0.00	0.00	0.00
11,000.0	90.00	269.31	8,797.0	-124.7	-2,360.9	2,363.0	0.00	0.00	0.00
11,100.0	90.00	269.31	8,797.0	-125.9	-2,460.9	2,463.0	0.00	0.00	0.00
11,200.0	90.00	269.31	8,797.0	-127.1	-2,560.9	2,563.0	0.00	0.00	0.00
11,300.0	90.00	269.31	8,797.0	-128.3	-2,660.9	2,663.0	0.00	0.00	0.00
11,400.0	90.00	269.31	8,797.0	-129.5	-2,760.9	2,763.0	0.00	0.00	0.00
11,500.0	90.00	269.31	8,797.0	-130.7	-2,860.9	2,863.0	0.00	0.00	0.00
11,600.0	90.00	269.31	8,797.0	-131.9	-2,960.9	2,962.9	0.00	0.00	0.00
11,700.0	90.00	269.31	8,797.0	-133.2	-3,060.9	3,062.9	0.00	0.00	0.00
11,800.0	90.00	269.31	8,797.0	-134.4	-3,160.9	3,162.9	0.00	0.00	0.00
11,900.0	90.00	269.31	8,797.0	-135.6	-3,260.9	3,262.9	0.00	0.00	0.00
12,000.0	90.00	269.31	8,797.0	-136.8	-3,360.9	3,362.9	0.00	0.00	0.00
12,100.0	90.00	269.31	8,797.0	-138.0	-3,460.9	3,462.9	0.00	0.00	0.00
12,200.0	90.00	269.31	8,797.0	-139.2	-3,560.9	3,562.9	0.00	0.00	0.00
12,300.0	90.00	269.31	8,797.0	-140.4	-3,660.8	3,662.9	0.00	0.00	0.00
12,400.0	90.00	269.31	8,797.0	-141.6	-3,760.8	3,762.9	0.00	0.00	0.00
12,500.0	90.00	269.31	8,797.0	-142.8	-3,860.8	3,862.9	0.00	0.00	0.00
12,600.0	90.00	269.31	8,797.0	-144.1	-3,960.8	3,962.9	0.00	0.00	0.00
12,700.0	90.00	269.31	8,797.0	-145.3	-4,060.8	4,062.9	0.00	0.00	0.00
12,800.0	90.00	269.31	8,797.0	-146.5	-4,160.8	4,162.9	0.00	0.00	0.00
12,900.0	90.00	269.31	8,797.0	-147.7	-4,260.8	4,262.9	0.00	0.00	0.00
13,000.0	90.00	269.31	8,797.0	-148.9	-4,360.8	4,362.9	0.00	0.00	0.00

Amazon.com
Planning Report

Database:	WC365	**Local Co-ordinate Reference:**	Well Walker 35-34-33 State Com 234H
Company:	V-F Petroleum, Inc.	**TVD Reference:**	3497+25 @ 3522.0usft
Project:	Eddy County, NM	**MD Reference:**	3497+25 @ 3522.0usft
Site:	Sec 35-T18S-R28E	**North Reference:**	Grid
Well:	Walker 35-34-33 State Com 234H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
13,100.0	90.00	269.31	8,797.0	-150.1	-4,460.8	4,462.9	0.00	0.00	0.00
13,200.0	90.00	269.31	8,797.0	-151.3	-4,560.8	4,562.9	0.00	0.00	0.00
13,300.0	90.00	269.31	8,797.0	-152.5	-4,660.8	4,662.9	0.00	0.00	0.00
13,400.0	90.00	269.31	8,797.0	-153.7	-4,760.8	4,762.9	0.00	0.00	0.00
13,500.0	90.00	269.31	8,797.0	-155.0	-4,860.8	4,862.9	0.00	0.00	0.00
13,600.0	90.00	269.31	8,797.0	-156.2	-4,960.8	4,962.9	0.00	0.00	0.00
13,700.0	90.00	269.31	8,797.0	-157.4	-5,060.7	5,062.9	0.00	0.00	0.00
13,800.0	90.00	269.31	8,797.0	-158.6	-5,160.7	5,162.9	0.00	0.00	0.00
13,900.0	90.00	269.31	8,797.0	-159.8	-5,260.7	5,262.9	0.00	0.00	0.00
14,000.0	90.00	269.31	8,797.0	-161.0	-5,360.7	5,362.9	0.00	0.00	0.00
14,100.0	90.00	269.31	8,797.0	-162.2	-5,460.7	5,462.9	0.00	0.00	0.00
14,200.0	90.00	269.31	8,797.0	-163.4	-5,560.7	5,562.9	0.00	0.00	0.00
14,300.0	90.00	269.31	8,797.0	-164.6	-5,660.7	5,662.9	0.00	0.00	0.00
14,400.0	90.00	269.31	8,797.0	-165.9	-5,760.7	5,762.9	0.00	0.00	0.00
14,500.0	90.00	269.31	8,797.0	-167.1	-5,860.7	5,862.9	0.00	0.00	0.00
14,600.0	90.00	269.31	8,797.0	-168.3	-5,960.7	5,962.9	0.00	0.00	0.00
14,700.0	90.00	269.31	8,797.0	-169.5	-6,060.7	6,062.9	0.00	0.00	0.00
14,800.0	90.00	269.31	8,797.0	-170.7	-6,160.7	6,162.8	0.00	0.00	0.00
14,900.0	90.00	269.31	8,797.0	-171.9	-6,260.7	6,262.8	0.00	0.00	0.00
15,000.0	90.00	269.31	8,797.0	-173.1	-6,360.6	6,362.8	0.00	0.00	0.00
15,100.0	90.00	269.31	8,797.0	-174.3	-6,460.6	6,462.8	0.00	0.00	0.00
15,200.0	90.00	269.31	8,797.0	-175.6	-6,560.6	6,562.8	0.00	0.00	0.00
15,300.0	90.00	269.31	8,797.0	-176.8	-6,660.6	6,662.8	0.00	0.00	0.00
15,400.0	90.00	269.31	8,797.0	-178.0	-6,760.6	6,762.8	0.00	0.00	0.00
15,500.0	90.00	269.31	8,797.0	-179.2	-6,860.6	6,862.8	0.00	0.00	0.00
15,600.0	90.00	269.31	8,797.0	-180.4	-6,960.6	6,962.8	0.00	0.00	0.00
15,700.0	90.00	269.31	8,797.0	-181.6	-7,060.6	7,062.8	0.00	0.00	0.00
15,800.0	90.00	269.31	8,797.0	-182.8	-7,160.6	7,162.8	0.00	0.00	0.00
15,900.0	90.00	269.31	8,797.0	-184.0	-7,260.6	7,262.8	0.00	0.00	0.00
16,000.0	90.00	269.31	8,797.0	-185.2	-7,360.6	7,362.8	0.00	0.00	0.00
16,100.0	90.00	269.31	8,797.0	-186.5	-7,460.6	7,462.8	0.00	0.00	0.00
16,200.0	90.00	269.31	8,797.0	-187.7	-7,560.6	7,562.8	0.00	0.00	0.00
16,300.0	90.00	269.31	8,797.0	-188.9	-7,660.6	7,662.8	0.00	0.00	0.00
16,400.0	90.00	269.31	8,797.0	-190.1	-7,760.5	7,762.8	0.00	0.00	0.00
16,500.0	90.00	269.31	8,797.0	-191.3	-7,860.5	7,862.8	0.00	0.00	0.00
16,600.0	90.00	269.31	8,797.0	-192.5	-7,960.5	7,962.8	0.00	0.00	0.00
16,700.0	90.00	269.31	8,797.0	-193.7	-8,060.5	8,062.8	0.00	0.00	0.00
16,800.0	90.00	269.31	8,797.0	-194.9	-8,160.5	8,162.8	0.00	0.00	0.00
16,900.0	90.00	269.31	8,797.0	-196.1	-8,260.5	8,262.8	0.00	0.00	0.00
17,000.0	90.00	269.31	8,797.0	-197.4	-8,360.5	8,362.8	0.00	0.00	0.00
17,100.0	90.00	269.31	8,797.0	-198.6	-8,460.5	8,462.8	0.00	0.00	0.00
17,200.0	90.00	269.31	8,797.0	-199.8	-8,560.5	8,562.8	0.00	0.00	0.00
17,300.0	90.00	269.31	8,797.0	-201.0	-8,660.5	8,662.8	0.00	0.00	0.00
17,400.0	90.00	269.31	8,797.0	-202.2	-8,760.5	8,762.8	0.00	0.00	0.00
17,500.0	90.00	269.31	8,797.0	-203.4	-8,860.5	8,862.8	0.00	0.00	0.00
17,600.0	90.00	269.31	8,797.0	-204.6	-8,960.5	8,962.8	0.00	0.00	0.00
17,700.0	90.00	269.31	8,797.0	-205.8	-9,060.5	9,062.8	0.00	0.00	0.00
17,800.0	90.00	269.31	8,797.0	-207.0	-9,160.4	9,162.8	0.00	0.00	0.00
17,900.0	90.00	269.31	8,797.0	-208.3	-9,260.4	9,262.8	0.00	0.00	0.00
18,000.0	90.00	269.31	8,797.0	-209.5	-9,360.4	9,362.7	0.00	0.00	0.00
18,100.0	90.00	269.31	8,797.0	-210.7	-9,460.4	9,462.7	0.00	0.00	0.00
18,200.0	90.00	269.31	8,797.0	-211.9	-9,560.4	9,562.7	0.00	0.00	0.00
18,300.0	90.00	269.31	8,797.0	-213.1	-9,660.4	9,662.7	0.00	0.00	0.00
18,400.0	90.00	269.31	8,797.0	-214.3	-9,760.4	9,762.7	0.00	0.00	0.00

Amazon.com

Planning Report

Database:	WC365	**Local Co-ordinate Reference:**	Well Walker 35-34-33 State Com 234H
Company:	V-F Petroleum, Inc.	**TVD Reference:**	3497+25 @ 3522.0usft
Project:	Eddy County, NM	**MD Reference:**	3497+25 @ 3522.0usft
Site:	Sec 35-T18S-R28E	**North Reference:**	Grid
Well:	Walker 35-34-33 State Com 234H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
18,500.0	90.00	269.31	8,797.0	-215.5	-9,860.4	9,862.7	0.00	0.00	0.00
18,600.0	90.00	269.31	8,797.0	-216.7	-9,960.4	9,962.7	0.00	0.00	0.00
18,700.0	90.00	269.31	8,797.0	-217.9	-10,060.4	10,062.7	0.00	0.00	0.00
18,800.0	90.00	269.31	8,797.0	-219.2	-10,160.4	10,162.7	0.00	0.00	0.00
18,900.0	90.00	269.31	8,797.0	-220.4	-10,260.4	10,262.7	0.00	0.00	0.00
19,000.0	90.00	269.31	8,797.0	-221.6	-10,360.4	10,362.7	0.00	0.00	0.00
19,100.0	90.00	269.31	8,797.0	-222.8	-10,460.3	10,462.7	0.00	0.00	0.00
19,200.0	90.00	269.31	8,797.0	-224.0	-10,560.3	10,562.7	0.00	0.00	0.00
19,300.0	90.00	269.31	8,797.0	-225.2	-10,660.3	10,662.7	0.00	0.00	0.00
19,400.0	90.00	269.31	8,797.0	-226.4	-10,760.3	10,762.7	0.00	0.00	0.00
19,500.0	90.00	269.31	8,797.0	-227.6	-10,860.3	10,862.7	0.00	0.00	0.00
19,600.0	90.00	269.31	8,797.0	-228.8	-10,960.3	10,962.7	0.00	0.00	0.00
19,700.0	90.00	269.31	8,797.0	-230.1	-11,060.3	11,062.7	0.00	0.00	0.00
19,800.0	90.00	269.31	8,797.0	-231.3	-11,160.3	11,162.7	0.00	0.00	0.00
19,900.0	90.00	269.31	8,797.0	-232.5	-11,260.3	11,262.7	0.00	0.00	0.00
20,000.0	90.00	269.31	8,797.0	-233.7	-11,360.3	11,362.7	0.00	0.00	0.00
20,100.0	90.00	269.31	8,797.0	-234.9	-11,460.3	11,462.7	0.00	0.00	0.00
20,200.0	90.00	269.31	8,797.0	-236.1	-11,560.3	11,562.7	0.00	0.00	0.00
20,300.0	90.00	269.31	8,797.0	-237.3	-11,660.3	11,662.7	0.00	0.00	0.00
20,400.0	90.00	269.31	8,797.0	-238.5	-11,760.3	11,762.7	0.00	0.00	0.00
20,500.0	90.00	269.31	8,797.0	-239.8	-11,860.2	11,862.7	0.00	0.00	0.00
20,600.0	90.00	269.31	8,797.0	-241.0	-11,960.2	11,962.7	0.00	0.00	0.00
20,700.0	90.00	269.31	8,797.0	-242.2	-12,060.2	12,062.7	0.00	0.00	0.00
20,749.2	90.00	269.31	8,797.0	-242.8	-12,109.4	12,111.9	0.00	0.00	0.00

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
KOP Walker State Com - plan misses target center by 3.2usft at 7810.2usft MD (7806.0 TVD, -95.6 N, 42.5 E) - Point	0.00	0.00	7,806.0	-96.5	45.7	622,342.31	597,903.83	32° 42' 38.611 N	104° 8' 57.918 W
LTP/BHL Walker State C - plan hits target center - Point	0.00	0.00	8,797.0	-242.8	-12,109.4	622,196.01	585,748.72	32° 42' 37.350 N	104° 11' 20.190 W
FTPWalker State Com 2 - plan misses target center by 29.3usft at 9164.8usft MD (8797.0 TVD, -102.4 N, -525.9 E) - Point	0.00	0.00	8,797.0	-73.1	-526.2	622,365.68	597,331.94	32° 42' 38.852 N	104° 9' 4.611 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
5,873.8	5,873.8	0.0	0.0	Nudge 2°/100'
6,123.8	6,123.5	-10.0	4.4	EON HLD 5°/100'
7,073.8	7,069.9	-85.6	38.1	DROP 2°/100'
7,323.8	7,319.6	-95.6	42.5	HLD 0°/100'
8,323.8	8,319.6	-95.6	42.5	KOP 12°/100'
9,073.8	8,797.0	-101.3	-434.9	EOB HLD 90°/100'
20,749.2	8,797.0	-242.8	-12,109.4	TD at 20749.2