

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address V-F PETROLEUM INC P.O. Box 1889 Midland. TX 79702		² OGRID Number 24010	
		³ Reason for Filing Code/ Effective Date New Well	
⁴ API Number 30-025-51250	⁵ Pool Name WC-025 G-07 S223505N; BONE SPRING		⁶ Pool Code 98136
⁷ Property Code 333754	⁸ Property Name CACHE RIVER 29 32 STATE COM		⁹ Well Number 303H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	29	21-S	35-E		2236	SOUTH	2103	EAST	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	32	21-S	35-E		99	SOUTH	1675	EAST	LEA
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 12/26/2023	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
159160	VERSADO GAS PROCESSORS, LLC	G
34053	PLAINS MARKETING L P	O
329971	ORYX DELAWARE OIL TRANSPORT, LLC	O

IV. Well Completion Data: We are asking for an exemption from tubing at this time.

²¹ Spud Date 05/15/2023	²² Ready Date 12/30/2023	²³ TD 18,359'	²⁴ PBTD 18,341'	²⁵ Perforations 11,084'-18,324'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	1,858'	1,325		
12.25"	9.625"	5,527'	1,635		
8.75"	5.5"	18,344'	2,565		

V. Well Test Data See C-103

³¹ Date New Oil 01/06/2024	³² Gas Delivery Date 01/05/2024	³³ Test Date 01/08/2024	³⁴ Test Length 24 hr.	³⁵ Tbg. Pressure N/A	³⁶ Csg. Pressure 2,575
³⁷ Choke Size 24/64"	³⁸ Oil 654	³⁹ Water 4,894	⁴⁰ Gas 455		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Kristina Lee</i>			OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i>		
Printed name: Kristina Lee			Title: <i>PETROLEUM SPECIALIST</i>		
Title: Regulatory Consultant			Approval Date: <i>8/7/2025</i>		
E-mail Address: krislee@skybeam.com					
Date: 05Feb2024		Phone: 303-884-4229			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 334-6170

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

WELL LOCATION AND ACREAGE DEDICATION AS DRILLED PLAT

API Number 30-025-51250		Pool Code 98136	Pool Name WC-025 G-07 S223505N; BONE SPRING
Property Code 333754	Property Name CACHE RIVER 29-32 STATE COM		Well Number #303H
OGRID No. 24010	Operator Name V-F PETROLEUM INC		Elevation 3654'

Surface Location

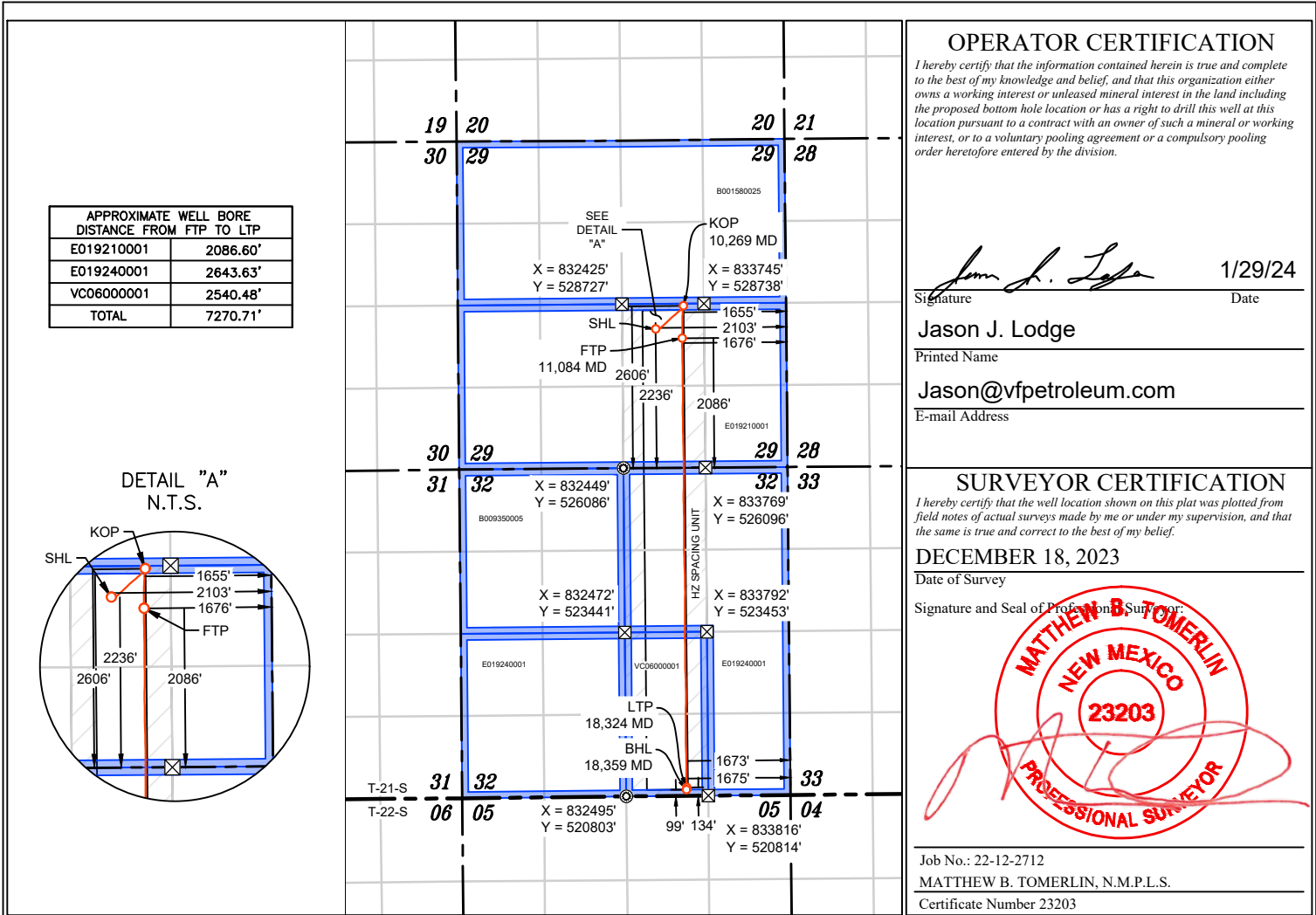
UL or lot no. J	Section 29	Township 21 S	Range 35 E	Lot Idn	Feet from the 2236	North/South line SOUTH	Feet from the 2103	East/West line EAST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot no. O	Section 32	Township 21 S	Range 35 E	Lot Idn	Feet from the 99	North/South line SOUTH	Feet from the 1675	East/West line EAST	County LEA
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Dedicated Acres 240.00	Joint or Infill	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



NAD 83 (SHL) 2236' FSL & 2103' FEL LATITUDE = 32.448883° LONGITUDE = -103.387941° NAD 27 (SURFACE HOLE LOCATION) LATITUDE = 32.448759° LONGITUDE = -103.387463° STATE PLANE NAD 83 (N.M. EAST) N: 528325.80' E: 832966.70' STATE PLANE NAD 27 (N.M. EAST) N: 528264.48' E: 791783.38'	NAD 83 (KOP) 2606' FSL & 1655' FEL LATITUDE = 32.449901° LONGITUDE = -103.386491° NAD 27 (KOP) LATITUDE = 32.449777° LONGITUDE = -103.386013° STATE PLANE NAD 83 (N.M. EAST) N: 528699.80' E: 833410.79' STATE PLANE NAD 27 (N.M. EAST) N: 528638.47' E: 792227.46'	NAD 83 (FTP) 2086' FSL & 1676' FEL LATITUDE = 32.448472° LONGITUDE = -103.386559° NAD 27 (FTP) LATITUDE = 32.448348° LONGITUDE = -103.386081° STATE PLANE NAD 83 (N.M. EAST) N: 528179.86' E: 833394.53' STATE PLANE NAD 27 (N.M. EAST) N: 528118.54' E: 792211.19'	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), NAVD 88. 2. THIS DOCUMENT IS BASED UPON AN ON THE GROUND SURVEY PERFORMED DURING DECEMBER, 2023. 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.
NAD 83 (LTP) 134' FSL & 1673' FEL LATITUDE = 32.428586° LONGITUDE = -103.386544° NAD 27 (LTP) LATITUDE = 32.428461° LONGITUDE = -103.386067° STATE PLANE NAD 83 (N.M. EAST) N: 520945.22' E: 833463.21' STATE PLANE NAD 27 (N.M. EAST) N: 520884.10' E: 792279.73'	NAD 83 (BHL) 99' FSL & 1675' FEL LATITUDE = 32.428490° LONGITUDE = -103.386549° NAD 27 (BHL) LATITUDE = 32.428365° LONGITUDE = -103.386072° STATE PLANE NAD 83 (N.M. EAST) N: 520910.24' E: 833462.05' STATE PLANE NAD 27 (N.M. EAST) N: 520849.12' E: 792278.57'	© FND. U.S.G.L.O. MON. UNLESS OTHERWISE NOTED ☒ CALC. CORNER ○ SHL / KOP / FTP / PPP / LTP / BHL OIL & GAS LEASE HORIZONTAL SPACING UNIT 0'2500'5000' SCALE: 1" = 2500'	



State Of New Mexico

Lea County

I Christina Myers, certify that: I am employed Panther Drilling Systems ; that I did on the day(s) of 06/25/2023 through 07/09/2023 conduct or supervise the taking of MWD surveys from a depth of 5547 feet to a depth of 18284' MD & 18359 PTB. The data is true, correct, complete, and within the limitations of the tool set forth by Panther Drilling Systems. I am authorized and qualified to make this report, and that this report was conducted at the request of V-F Petroleum. , for the Cache River 29 32 State Com 303H, API# 30-025-51250 drilled in Lea County, New Mexico. I have reviewed this report and find that it conforms to the principles and procedures as set forth by V-F Petroleum.

Christina Myers

Christina Myers

Well Planner

Panther Drilling Systems

10600 W. Reno Ave.

Yukon, Ok. 73099

V-F Petroleum, Inc.

Lea County, NM

Sec 29-T21S-R35E

Cache River 29-32 State Com 303H

Wellbore #1

Survey: Survey #2

Standard Survey Report

10 July, 2023

Microsoft
Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well Cache River 29-32 State Com 303H
Project:	Lea County, NM	TVD Reference:	3654+25 @ 3679.00usft
Site:	Sec 29-T21S-R35E	MD Reference:	3654+25 @ 3679.00usft
Well:	Cache River 29-32 State Com 303H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Project	Lea 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 29-T21S-R35E			
Site Position:		Northing:	528,473.00 usft	Latitude:	32.449342
From:	Map	Easting:	830,745.00 usft	Longitude:	-103.395139
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.50 °

Well	Cache River 29-32 State Com 303H					
Well Position	+N/-S	0.00 usft	Northing:	528,326.00 usft	Latitude:	32.448884
	+E/-W	0.00 usft	Easting:	832,967.00 usft	Longitude:	-103.387940
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,654.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/29/22	6.28	60.22	47,517.49245876

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	176.07	

Survey Program	Date	07/10/23			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
93.00	5,475.00	Surface Surveys (Wellbore #1)	MWD	OWSG MWD - Standard	
5,547.00	18,359.00	Survey #2 (Wellbore #1)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,475.00	2.40	170.77	5,474.04	-21.94	21.01	23.33	0.00	0.00	0.00	
5,547.00	2.60	177.00	5,545.97	-25.06	21.34	26.47	0.47	0.28	8.65	
1st MWD Survey										
5,640.00	1.30	127.50	5,638.92	-27.81	22.28	29.28	2.17	-1.40	-53.23	
5,734.00	2.60	42.60	5,732.88	-26.89	24.57	28.51	2.98	1.38	-90.32	
5,828.00	6.20	41.00	5,826.58	-21.49	29.35	23.45	3.83	3.83	-1.70	
5,921.00	8.70	46.50	5,918.79	-12.86	37.75	15.42	2.79	2.69	5.91	
6,014.00	11.00	51.50	6,010.42	-2.49	49.79	5.90	2.64	2.47	5.38	
6,107.00	11.60	52.50	6,101.62	8.73	64.16	-4.30	0.68	0.65	1.08	
6,201.00	11.60	51.40	6,193.70	20.38	79.04	-14.90	0.24	0.00	-1.17	

Microsoft

Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well Cache River 29-32 State Com 303H
Project:	Lea County, NM	TVD Reference:	3654+25 @ 3679.00usft
Site:	Sec 29-T21S-R35E	MD Reference:	3654+25 @ 3679.00usft
Well:	Cache River 29-32 State Com 303H	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 (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
6,294.00	9.80	48.50	6,285.08	31.45	92.28	-25.05	2.02	-1.94	-3.12	
6,387.00	9.70	47.90	6,376.73	41.95	104.02	-34.72	0.15	-0.11	-0.65	
6,480.00	9.90	45.70	6,468.38	52.79	115.55	-44.74	0.46	0.22	-2.37	
6,574.00	10.10	48.10	6,560.95	63.94	127.47	-55.04	0.49	0.21	2.55	
6,668.00	9.10	47.20	6,653.63	74.49	139.06	-64.77	1.08	-1.06	-0.96	
6,761.00	8.90	47.90	6,745.48	84.31	149.79	-73.84	0.25	-0.22	0.75	
6,855.00	9.90	46.90	6,838.22	94.71	161.09	-83.43	1.08	1.06	-1.06	
6,948.00	10.40	46.60	6,929.77	105.94	173.02	-93.82	0.54	0.54	-0.32	
7,041.00	10.00	45.90	7,021.30	117.32	184.92	-104.36	0.45	-0.43	-0.75	
7,135.00	10.00	46.10	7,113.87	128.66	196.66	-114.87	0.04	0.00	0.21	
7,229.00	10.10	46.40	7,206.43	140.01	208.51	-125.37	0.12	0.11	0.32	
7,322.00	9.80	46.70	7,298.03	151.06	220.18	-135.60	0.33	-0.32	0.32	
7,415.00	9.70	46.50	7,389.68	161.88	231.62	-145.61	0.11	-0.11	-0.22	
7,508.00	9.40	46.00	7,481.39	172.55	242.77	-155.49	0.33	-0.32	-0.54	
7,602.00	10.70	48.40	7,573.95	183.67	254.82	-165.76	1.45	1.38	2.55	
7,694.00	10.70	49.00	7,664.35	194.95	267.65	-176.13	0.12	0.00	0.65	
7,789.00	10.70	48.90	7,757.70	206.53	280.95	-186.77	0.02	0.00	-0.11	
7,882.00	10.30	50.80	7,849.14	217.46	293.90	-196.79	0.57	-0.43	2.04	
7,976.00	9.40	53.30	7,941.76	227.36	306.57	-205.79	1.06	-0.96	2.66	
8,070.00	8.60	50.00	8,034.60	236.47	318.11	-214.08	1.01	-0.85	-3.51	
8,164.00	9.30	44.50	8,127.45	246.40	328.81	-223.26	1.18	0.74	-5.85	
8,258.00	9.10	45.50	8,220.25	257.03	339.44	-233.14	0.27	-0.21	1.06	
8,351.00	9.70	48.90	8,312.00	267.33	350.59	-242.65	0.88	0.65	3.66	
8,444.00	9.30	49.50	8,403.72	277.37	362.21	-251.86	0.44	-0.43	0.65	
8,538.00	8.00	49.10	8,496.65	286.58	372.93	-260.32	1.38	-1.38	-0.43	
8,631.00	8.00	46.80	8,588.75	295.25	382.54	-268.31	0.34	0.00	-2.47	
8,725.00	8.70	45.20	8,681.75	304.74	392.35	-277.10	0.78	0.74	-1.70	
8,819.00	7.60	47.20	8,774.80	313.97	401.96	-285.65	1.21	-1.17	2.13	
8,912.00	6.50	49.90	8,867.09	321.54	410.49	-292.62	1.23	-1.18	2.90	
9,006.00	5.80	55.10	8,960.55	327.68	418.46	-298.20	0.95	-0.74	5.53	
9,098.00	5.90	59.50	9,052.07	332.74	426.35	-302.71	0.50	0.11	4.78	
9,193.00	4.40	49.50	9,146.69	337.59	433.33	-307.06	1.83	-1.58	-10.53	
9,286.00	4.00	41.40	9,239.44	342.34	438.18	-311.47	0.77	-0.43	-8.71	
9,380.00	3.50	38.10	9,333.24	347.06	442.12	-315.90	0.58	-0.53	-3.51	
9,474.00	3.00	34.00	9,427.09	351.35	445.27	-319.98	0.59	-0.53	-4.36	
9,567.00	2.80	24.40	9,519.97	355.44	447.57	-323.89	0.56	-0.22	-10.32	
9,661.00	2.60	12.40	9,613.87	359.61	448.97	-327.96	0.64	-0.21	-12.77	
9,754.00	2.50	351.10	9,706.78	363.68	449.11	-332.01	1.02	-0.11	-22.90	
9,848.00	1.70	322.50	9,800.71	366.81	447.95	-335.21	1.38	-0.85	-30.43	
9,942.00	1.50	317.30	9,894.68	368.82	446.26	-337.33	0.26	-0.21	-5.53	
10,035.00	1.30	326.70	9,987.65	370.59	444.86	-339.20	0.33	-0.22	10.11	
10,129.00	0.90	338.40	10,081.63	372.17	444.00	-340.83	0.49	-0.43	12.45	
10,216.00	1.00	3.30	10,168.62	373.57	443.79	-342.24	0.48	0.11	28.62	

Microsoft

Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well Cache River 29-32 State Com 303H
Project:	Lea County, NM	TVD Reference:	3654+25 @ 3679.00usft
Site:	Sec 29-T21S-R35E	MD Reference:	3654+25 @ 3679.00usft
Well:	Cache River 29-32 State Com 303H	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 (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10,269.00	0.50	188.10	10,221.62	373.80	443.79	-342.47	2.83	-0.94	-330.57	
10,316.00	5.10	184.40	10,268.55	371.51	443.60	-340.20	9.79	9.79	-7.87	
10,363.00	11.30	183.40	10,315.05	364.83	443.16	-333.56	13.19	13.19	-2.13	
10,409.00	17.10	184.80	10,359.62	353.58	442.33	-322.40	12.63	12.61	3.04	
10,456.00	22.70	186.80	10,403.80	337.67	440.68	-306.64	12.00	11.91	4.26	
10,503.00	26.50	185.20	10,446.53	318.22	438.65	-287.37	8.21	8.09	-3.40	
10,550.00	32.00	182.80	10,487.52	295.32	437.09	-264.64	11.96	11.70	-5.11	
10,596.00	37.10	183.20	10,525.39	269.28	435.72	-238.75	11.10	11.09	0.87	
10,643.00	43.30	183.80	10,561.27	239.01	433.86	-208.68	13.22	13.19	1.28	
10,689.00	49.40	182.60	10,593.01	205.80	432.02	-175.67	13.39	13.26	-2.61	
10,736.00	55.90	181.30	10,621.51	168.48	430.77	-138.52	14.00	13.83	-2.77	
10,783.00	58.20	181.60	10,647.07	129.05	429.77	-99.26	4.92	4.89	0.64	
10,830.00	60.80	179.90	10,670.93	88.56	429.25	-58.91	6.35	5.53	-3.62	
10,876.00	63.20	179.00	10,692.52	47.95	429.64	-18.36	5.50	5.22	-1.96	
10,923.00	65.10	180.40	10,713.01	5.66	429.86	23.84	4.85	4.04	2.98	
10,969.00	67.80	181.60	10,731.39	-36.50	429.12	65.85	6.34	5.87	2.61	
11,016.00	70.40	180.80	10,748.16	-80.39	428.20	109.58	5.76	5.53	-1.70	
11,063.00	74.10	180.40	10,762.48	-125.14	427.73	154.19	7.91	7.87	-0.85	
11,110.00	77.80	180.70	10,773.89	-170.73	427.30	199.64	7.90	7.87	0.64	
11,156.00	81.10	179.60	10,782.31	-215.94	427.18	244.74	7.55	7.17	-2.39	
11,203.00	84.50	179.00	10,788.20	-262.56	427.75	291.29	7.34	7.23	-1.28	
11,261.00	87.30	179.20	10,792.35	-320.40	428.66	349.05	4.84	4.83	0.34	
11,355.00	89.00	178.70	10,795.38	-414.33	430.38	442.88	1.89	1.81	-0.53	
11,448.00	89.80	178.70	10,796.36	-507.30	432.49	535.78	0.86	0.86	0.00	
11,542.00	89.30	179.50	10,797.10	-601.29	433.97	629.64	1.00	-0.53	0.85	
11,635.00	88.70	179.70	10,798.72	-694.27	434.62	722.45	0.68	-0.65	0.22	
11,728.00	88.90	179.20	10,800.67	-787.24	435.51	815.27	0.58	0.22	-0.54	
11,822.00	89.30	179.20	10,802.14	-881.22	436.82	909.12	0.43	0.43	0.00	
11,917.00	88.30	179.50	10,804.13	-976.19	437.90	1,003.94	1.10	-1.05	0.32	
12,010.00	89.20	180.10	10,806.16	-1,069.17	438.22	1,096.72	1.16	0.97	0.65	
12,102.00	87.60	180.70	10,808.73	-1,161.13	437.58	1,188.41	1.86	-1.74	0.65	
12,196.00	87.80	180.60	10,812.50	-1,255.05	436.51	1,282.04	0.24	0.21	-0.11	
12,289.00	87.90	179.40	10,815.99	-1,347.98	436.51	1,374.75	1.29	0.11	-1.29	
12,383.00	88.30	179.40	10,819.11	-1,441.92	437.50	1,468.54	0.43	0.43	0.00	
12,477.00	88.30	179.20	10,821.90	-1,535.87	438.65	1,562.35	0.21	0.00	-0.21	
12,571.00	88.90	178.80	10,824.19	-1,629.83	440.29	1,656.20	0.77	0.64	-0.43	
12,664.00	89.10	178.20	10,825.82	-1,722.78	442.72	1,749.10	0.68	0.22	-0.65	
12,757.00	89.00	178.80	10,827.36	-1,815.74	445.15	1,842.00	0.65	-0.11	0.65	
12,851.00	88.80	178.80	10,829.16	-1,909.70	447.12	1,935.88	0.21	-0.21	0.00	
12,944.00	88.70	178.80	10,831.19	-2,002.66	449.07	2,028.75	0.11	-0.11	0.00	
13,038.00	88.40	179.00	10,833.57	-2,096.61	450.87	2,122.60	0.38	-0.32	0.21	
13,131.00	89.70	179.70	10,835.11	-2,189.59	451.93	2,215.44	1.59	1.40	0.75	
13,225.00	89.60	180.20	10,835.69	-2,283.59	452.01	2,309.22	0.54	-0.11	0.53	

Microsoft

Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well Cache River 29-32 State Com 303H
Project:	Lea County, NM	TVD Reference:	3654+25 @ 3679.00usft
Site:	Sec 29-T21S-R35E	MD Reference:	3654+25 @ 3679.00usft
Well:	Cache River 29-32 State Com 303H	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 (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
13,319.00	88.90	180.40	10,836.92	-2,377.58	451.52	2,402.95	0.77	-0.74	0.21	
13,411.00	89.40	179.50	10,838.28	-2,469.57	451.60	2,494.73	1.12	0.54	-0.98	
13,505.00	89.70	180.40	10,839.02	-2,563.56	451.68	2,588.51	1.01	0.32	0.96	
13,598.00	89.50	180.80	10,839.67	-2,656.55	450.71	2,681.22	0.48	-0.22	0.43	
13,691.00	90.90	179.60	10,839.35	-2,749.55	450.38	2,773.97	1.98	1.51	-1.29	
13,785.00	90.40	178.50	10,838.28	-2,843.53	451.94	2,867.84	1.29	-0.53	-1.17	
13,878.00	89.20	179.00	10,838.60	-2,936.50	453.97	2,960.73	1.40	-1.29	0.54	
13,971.00	88.00	179.40	10,840.88	-3,029.47	455.27	3,053.56	1.36	-1.29	0.43	
14,065.00	88.00	179.70	10,844.16	-3,123.41	456.01	3,147.33	0.32	0.00	0.32	
14,158.00	88.30	180.00	10,847.16	-3,216.36	456.25	3,240.08	0.46	0.32	0.32	
14,252.00	88.00	179.80	10,850.19	-3,310.31	456.41	3,333.82	0.38	-0.32	-0.21	
14,345.00	87.60	180.40	10,853.76	-3,403.24	456.25	3,426.52	0.77	-0.43	0.65	
14,439.00	88.10	179.30	10,857.29	-3,497.17	456.50	3,520.25	1.28	0.53	-1.17	
14,533.00	88.90	178.40	10,859.75	-3,591.12	458.38	3,614.10	1.28	0.85	-0.96	
14,628.00	88.60	178.70	10,861.82	-3,686.06	460.79	3,708.99	0.45	-0.32	0.32	
14,721.00	91.00	177.20	10,862.15	-3,778.99	464.11	3,801.93	3.04	2.58	-1.61	
14,815.00	90.40	177.90	10,861.00	-3,872.90	468.13	3,895.89	0.98	-0.64	0.74	
14,908.00	88.50	178.50	10,861.89	-3,965.85	471.05	3,988.82	2.14	-2.04	0.65	
15,001.00	88.50	179.70	10,864.33	-4,058.80	472.51	4,081.65	1.29	0.00	1.29	
15,094.00	88.00	179.70	10,867.17	-4,151.76	473.00	4,174.42	0.54	-0.54	0.00	
15,188.00	88.40	180.00	10,870.12	-4,245.71	473.24	4,268.17	0.53	0.43	0.32	
15,281.00	90.00	180.20	10,871.42	-4,338.70	473.08	4,360.93	1.73	1.72	0.22	
15,375.00	90.00	180.20	10,871.42	-4,432.70	472.75	4,454.69	0.00	0.00	0.00	
15,468.00	90.50	180.90	10,871.01	-4,525.69	471.86	4,547.40	0.92	0.54	0.75	
15,562.00	89.50	180.40	10,871.01	-4,619.68	470.80	4,641.10	1.19	-1.06	-0.53	
15,656.00	89.60	180.50	10,871.75	-4,713.68	470.06	4,734.82	0.15	0.11	0.11	
15,749.00	88.90	179.20	10,872.97	-4,806.67	470.30	4,827.61	1.59	-0.75	-1.40	
15,842.00	88.70	179.20	10,874.91	-4,899.64	471.60	4,920.45	0.22	-0.22	0.00	
15,936.00	89.80	179.10	10,876.15	-4,993.62	472.99	5,014.30	1.18	1.17	-0.11	
16,030.00	89.70	179.60	10,876.56	-5,087.61	474.06	5,108.14	0.54	-0.11	0.53	
16,125.00	89.40	179.80	10,877.30	-5,182.60	474.56	5,202.95	0.38	-0.32	0.21	
16,218.00	89.30	180.20	10,878.36	-5,275.60	474.56	5,295.73	0.44	-0.11	0.43	
16,312.00	89.30	179.40	10,879.50	-5,369.59	474.88	5,389.52	0.85	0.00	-0.85	
16,405.00	89.50	178.20	10,880.48	-5,462.56	476.83	5,482.41	1.31	0.22	-1.29	
16,499.00	89.20	177.90	10,881.55	-5,556.50	480.03	5,576.34	0.45	-0.32	-0.32	
16,593.00	89.00	178.40	10,883.02	-5,650.44	483.06	5,670.27	0.57	-0.21	0.53	
16,687.00	88.70	178.40	10,884.91	-5,744.38	485.69	5,764.17	0.32	-0.32	0.00	
16,781.00	88.40	179.70	10,887.29	-5,838.34	487.25	5,858.01	1.42	-0.32	1.38	
16,875.00	89.40	179.90	10,889.09	-5,932.32	487.58	5,951.79	1.08	1.06	0.21	
16,969.00	89.30	180.40	10,890.16	-6,026.31	487.33	6,045.55	0.54	-0.11	0.53	
17,062.00	88.70	181.10	10,891.78	-6,119.29	486.11	6,138.22	0.99	-0.65	0.75	
17,156.00	88.90	179.80	10,893.75	-6,213.27	485.37	6,231.93	1.40	0.21	-1.38	
17,250.00	89.80	180.40	10,894.82	-6,307.26	485.21	6,325.69	1.15	0.96	0.64	
17,345.00	90.00	180.70	10,894.98	-6,402.25	484.30	6,420.39	0.38	0.21	0.32	

Microsoft
Survey Report

Company:	V-F Petroleum, Inc.	Local Co-ordinate Reference:	Well Cache River 29-32 State Com 303H
Project:	Lea County, NM	TVD Reference:	3654+25 @ 3679.00usft
Site:	Sec 29-T21S-R35E	MD Reference:	3654+25 @ 3679.00usft
Well:	Cache River 29-32 State Com 303H	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 (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
17,439.00	88.60	180.10	10,896.13	-6,496.24	483.64	6,514.12	1.62	-1.49	-0.64	
17,532.00	89.00	179.80	10,898.08	-6,589.22	483.72	6,606.88	0.54	0.43	-0.32	
17,625.00	88.50	178.00	10,900.11	-6,682.18	485.51	6,699.74	2.01	-0.54	-1.94	
17,719.00	88.20	178.20	10,902.81	-6,776.09	488.62	6,793.64	0.38	-0.32	0.21	
17,813.00	88.70	178.20	10,905.36	-6,870.01	491.57	6,887.54	0.53	0.53	0.00	
17,907.00	89.30	178.40	10,907.00	-6,963.95	494.36	6,981.46	0.67	0.64	0.21	
18,000.00	89.10	178.10	10,908.30	-7,056.90	497.20	7,074.38	0.39	-0.22	-0.32	
18,095.00	89.60	178.80	10,909.37	-7,151.85	499.77	7,169.29	0.91	0.53	0.74	
18,189.00	89.60	181.00	10,910.03	-7,245.85	499.94	7,263.07	2.34	0.00	2.34	
18,284.00	91.00	181.90	10,909.53	-7,340.81	497.53	7,357.65	1.75	1.47	0.95	
Last MWD Survey 18284 MD/10909.53 TVD -7340.81 S 497.53 E N: 520985.1 E: 833464.5										
18,359.00	91.00	181.90	10,908.22	-7,415.76	495.05	7,432.25	0.00	0.00	0.00	
PTB 18359 MD/10908.22 TVD -7415.76 S 495.05 E N: 520910.2 E: 833462.0										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
5,547.00	5,545.97	-25.06	21.34	1st MWD Survey	
18,284.00	10,909.53	-7,340.81	497.53	Last MWD Survey 18284 MD/10909.53 TVD -7340.81 S 497.53 E N: 520985.1	
18,359.00	10,908.22	-7,415.76	495.05	PTB 18359 MD/10908.22 TVD -7415.76 S 495.05 E N: 520910.2 E: 833462.0	

Checked By: _____

Approved By: _____

Date: _____

Submit 1 Copy To Appropriate District 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. 30-025-51250
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. E01921-1
7. Lease Name or Unit Agreement Name CACHE RIVER 29 32 STATE COM
8. Well Number 303H
9. OGRID Number 24010
10. Pool name or Wildcat WC-025 G-07 S223505N; BONE SPRING

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 <u>J</u> : <u>2236</u> feet from the <u>SOUTH</u> line and <u>2103</u> feet from the <u>EAST</u> line Section <u>29</u> Township <u>21-S</u> Range <u>35-E</u> NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3654' (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: Perf/Tubing ☒	

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. HAS COMPLETED THE FOLLOWING:

07/07/2023: PRESSURE PRODUCTOIN CASING 3,400 PSI

07/07/2023: Total Depth MD = 18,359' TVD: 10,908'

12/01/2023 –PERF AND FRAC 33 STAGES from 11,084'-18,324'

FRAC WITH 429,608 bbls. LIQUID and 15,596,954 lbs. OF TOTAL PROPPANT

12/30/2023 – READY TO PRODUCE

* We are asking for an exemption from tubing at this time.

Spud Date: 05/15/2023

Rig Release Date: 07/10/2023

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

SIGNATURE Kristina Lee TITLE Regulatory Consultant DATE 05Feb2024

Type or print name Kristina Lee E-mail address: krislee@skybeam.com PHONE: 303-884-4229

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name CACHE RIVER 29 32 STATE COM		
								6. Well Number: 303H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator V-F PETROLEUM INC						9. OGRID 24010				
10. Address of Operator P.O. BOX 1889 MIDLAND, TX 79702						11. Pool name or Wildcat WC-025 G-07 S223505N; BONE SPRING				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	J	29	21-S	35E		2236	FSL	2103	FEL	LEA
BH:	O	32	21-S	35E		99	FSL	1675	FEL	LEA
13. Date Spudded 05/15/2023	14. Date T.D. Reached 07/07/2023		15. Date Rig Released 07/10/2023			16. Date Completed (Ready to Produce) 12/30/2023		17. Elevations (DF and RKB, RT, GR, etc.) 3654 GR		
18. Total Measured Depth of Well 18,359'			19. Plug Back Measured Depth 18,341'			20. Was Directional Survey Made? Y		21. Type Electric and Other Logs Run GAMMA RAY		
22. Producing Interval(s), of this completion - Top, Bottom, Name 11,084'-18,324' 3RD BONE SPRING SAND										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13.375"		54.5		1,858'		17.5"		1,325 sx		
9.625"		40		5,527'		12.25"		1,635 sx		
5.5"		20		18,344'		8.75"		2,565 sx		
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN						
25. TUBING RECORD										
SIZE	DEPTH SET		PACKER SET							
26. Perforation record (interval, size, and number) 11,084'-18,324' with 33 stages Size = .33" Number of Shots = 1,980						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						11,084'-18,324'		429,608 bbls of Slickwater		
								15,596,954 lbs. of total Proppant		
28. PRODUCTION										
Date First Production 01/05/2024		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) FLOWING				Well Status (<i>Prod. or Shut-in</i>) PRODUCING				
Date of Test 01/08/2024	Hours Tested 24 hr.	Choke Size 24/64"	Prod'n For Test Period	Oil - Bbl 654	Gas - MCF 455	Water - Bbl. 4,894	Gas - Oil Ratio 0.69:1			
Flow Tubing Press. N/A	Casing Pressure 2,575	Calculated 24-Hour Rate	Oil - Bbl. 654	Gas - MCF 455	Water - Bbl. 4,894	Oil Gravity - API - (<i>Corr.</i>)				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) SOLD						30. Test Witnessed By V-F PETROLEUM INC				
31. List Attachments C-102 As Drilled Plat, C-103 Perf and Tubing, C-104, Directional Plan										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date: 07/10/2023		
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____ Longitude _____ NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Printed Signature <i>Kristina Lee</i> Name Kristina Lee Title Regulatory Consultant Date 05Feb2024 E-mail Address krislee@skybeam.com										

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler – 1858	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt – 1955	T. Strawn	T. Kirtland	T. Penn. "B"
T. Salado – 2310	T. Atoka	T. Fruitland	T. Penn. "C"
T. Castile - 3396	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. Yates – 3809	T. Devonian	T. Cliff House	T. Leadville
T. Capitan – 4319	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand – 5721	T. Morrison	
T. Drinkard	T. Bone Spring - 8240	T. Todilto	
T. Abo	T. 1 st Bone Spring Sand – 9264	T. Entrada	
T. Wolfcamp	T. 2 nd Bone Spring Sand – 9844	T. Wingate	
T. Penn	T. 3 rd Bone Spring Sand – 10657	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS
SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
------	----	----------------------	-----------	------	----	----------------------	-----------

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

ACKNOWLEDGMENTS

Action 311437

ACKNOWLEDGMENTS

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 311437
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 311437

CONDITIONS

Operator: V-F PETROLEUM INC P.O. Box 1889 Midland, TX 79702	OGRID: 24010
	Action Number: 311437
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	8/7/2025