

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



Notice of C-104 Denial and Request for Information

OCD denies your C-104 – *Request for Allowable and Authorization to Transport* because it is incomplete or conflicts with other information provided to OCD.

The sale or transport of product without a C-104 approved by OCD violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC.

To avoid an enforcement action, you must submit the indicated information no later than 30 days after receipt of this notice.

Test Allowable, New Well and Recompleted Well

~~Test Allowable, New Well and Recompleted Well~~ OK
AB

- ☐ C-103 (or BLM equivalent) for all casing strings
 - ☐ Spud Notice
 - ☐ Surface Casing
 - ☐ Intermediate Casing (if applicable)
 - ☐ Additional Intermediate Casing (if applicable)
 - ☐ Production Casing or Liner

Applicable Order (NSL, NSP, Other SWD)

Deviation Survey for Vertical Wells

☒ Directional Survey

☒ C-102 (As-Drilled Plat for Horizontal Well)

New Well and Recompleted Well Only

☒ C-103 Completion Sundry (or BLM equivalent) (M.I.T. performed?)

☒ C-105 Completion Report (or BLM equivalent) Amend

☒ All Logs Run on Well

If you have any questions please contact the local OCD District Office

1943-1944-1945-1946

1947-1948-1949-1950

1951-1952-1953-1954
1955-1956-1957-1958

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
RECORDS CLEAN-UP
Oil Conservation District #1
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
July 17, 2008

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)

7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☒ OTHER SWD

8. Name of Operator: **V-F PETROLEUM, INC.**

10. Address of Operator: c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the
Surface:	G	24	19-S	28-E		2090
BH:						

13. Date Spudded: 6/12/19

14. Date T.D. Reached: 7/14/19

15. Date Drilling Rig Released: 7/19/19

18. Total Measured Depth of Well: 12,900'

16. Date Completed (Ready to Produce): 7/31/19 (M.I.T. date?)

19. Plug Back Measured Depth: 12,900'

20. Was Directional Survey Made? No

17. Elevations (DF and RKB, RT, GR, etc.): 3362' GR

21. Type Electric and Other Logs Run: CBL

22. Producing Interval(s), of this completion - Top, Bottom, Name: 12,135'-12,900', Devonian

1. WELL API NO.
30-015-45743

2. Type of Lease
☒ STATE ☐ FEE ☐ FED/INDIAN

3. State Oil & Gas Lease No. 324997

5. Lease Name or Unit Agreement Name
NORTHCOTT 24 SWD

6. Well Number: #1

9. OGRID: 24010 #SWD-2028

11. Pool name or Wildcat:
Devonian, SWD (96101)

N/S Line	Feet from the	E/W Line	County
North	2090	East	Eddy

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94# J-55	421'	26"	1000 sx "C"	0'
13-3/8"	68# J-55	3595'	17-1/2"	1645 sx 50/50 C & 644 sx C	0'
9-5/8"	53.5/47# P-110/L-80	12,135'	12-1/4"	600 sx 50/50 C & 1000 sx H	0'
		DV @ 7000'		1100 sx 50/50 C & 200 sx H	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
5-1/2"	12,120'	12,120'

26. Perforation record (interval, size, and number)
Devonian: 12,135'-12,900' Open Hole
N/A (on a SWD)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,135'-12,900'	40,000 gal 15% HCL

28. PRODUCTION

Date First Injection: 9/20/19		Production Method (Flowing, gas lift, pumping - Size and type pump): SWD		Well Status (Prod. or Shut-in): SWD	
Date of Test:	Hours Tested:	Choke Size:	Prod'n For Test Period:	Oil - Bbl:	Gas - MCF:
Injection Tubing Press. 0 psi	Casing Pressure:	Calculated 24-Hour Rate:	Oil - Bbl:	Gas - MCF:	Water - Bbl. 6500
29. Disposition of Gas (Sold, used for fuel, vented, etc.):			30. Test Witnessed By:		

31. List Attachments:

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude
Longitude
NAD 1927 1983

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

Signature: Mike Pippin
Printed Name: Mike Pippin
Title: Petroleum Engineer
Date: 12/17/19

E-mail Address: mike@pippinllc.com - (List your address here if need be.)

INSTRUCTIONS

NORTHCOTT 24 SWD #1 -- New Well

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. Anhy	T. Canyon <u>9876'</u>	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn <u>10,118'</u>	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka <u>10,361'</u>	T. Fruitland	T. Penn. "C"
T. Yates <u>1204'</u>	T. Miss <u>11,592'</u>	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian <u>12,118'</u>	T. Cliff House	T. Leadville
T. Queen <u>1812'</u>	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres <u>2810'</u>	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Bone Springs <u>3442'</u>	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinbry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand <u>3101'</u>	T. Morrison	
T. Drinkard	T.	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp <u>8910'</u>	T.	T. Wingate	
T. Penn <u>9666'</u>	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....
 No. 2, 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.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thick ness In Feet	Lithology	From	To	Thickness In Feet	Lithology
0'	1010'	1010'	Anhydrite, salt & shale				
1010'	1300'	290'	Anhydrite, sand & dolomite				
1300'	2000'	700'	Dolomite, anhydrite & sand				
2000'	3440'	1440'	Dolomite & sand				
3440'	6710'	3270'	Limestone & chert				
6710'	7350'	640'	Limestone & shale				
7350'	7770'	420'	Limestone, sand & shale				
7770'	8200'	430'	Limestone & shale				
8200'	8910'	710'	Limestone, sand & shale				
8910'	10,720'	1810'	Limestone & shale				
10,720'	11,250'	530'	Limestone, sand, chert & shale				
11,250'	12,120'	870'	Limestone & shale				
12,120'	12,400'	280'	Limestone & dolomite				
12,400'	12,900'	500'	Dolomite				



Northcutt #24 SWD #1
September 16, 2019

JOB INFORMATION SHEET

Company Information		
Company Name:	VF Petroleum	
Well Information		
Well Name:	Northcutt #24 SWD 31	
Location:	Eddy County, NM	
Field – Pool:	Northcutt	
Status:	SWD	
Test Information		
Type of Test:	Pressure Survey	
Gauge Depth:	12,100 ft	
Temperature @ Run Depth	191.84 degF	
Surface Temperature:	73.74 degF	
Gauge Information		
	Top Recorder	Bottom Recorder
Serial Number:	76205	
Calibration Date:	11/7/18	
Pressure Range:	10000 psi	
Comments		
Pressure survey		
Surface to 12,100ft.		
2min stop every 1000ft		
30 Min on bottom		

Gradient Data Report

Northcutt #24 SWD #1

Gradient Data Table

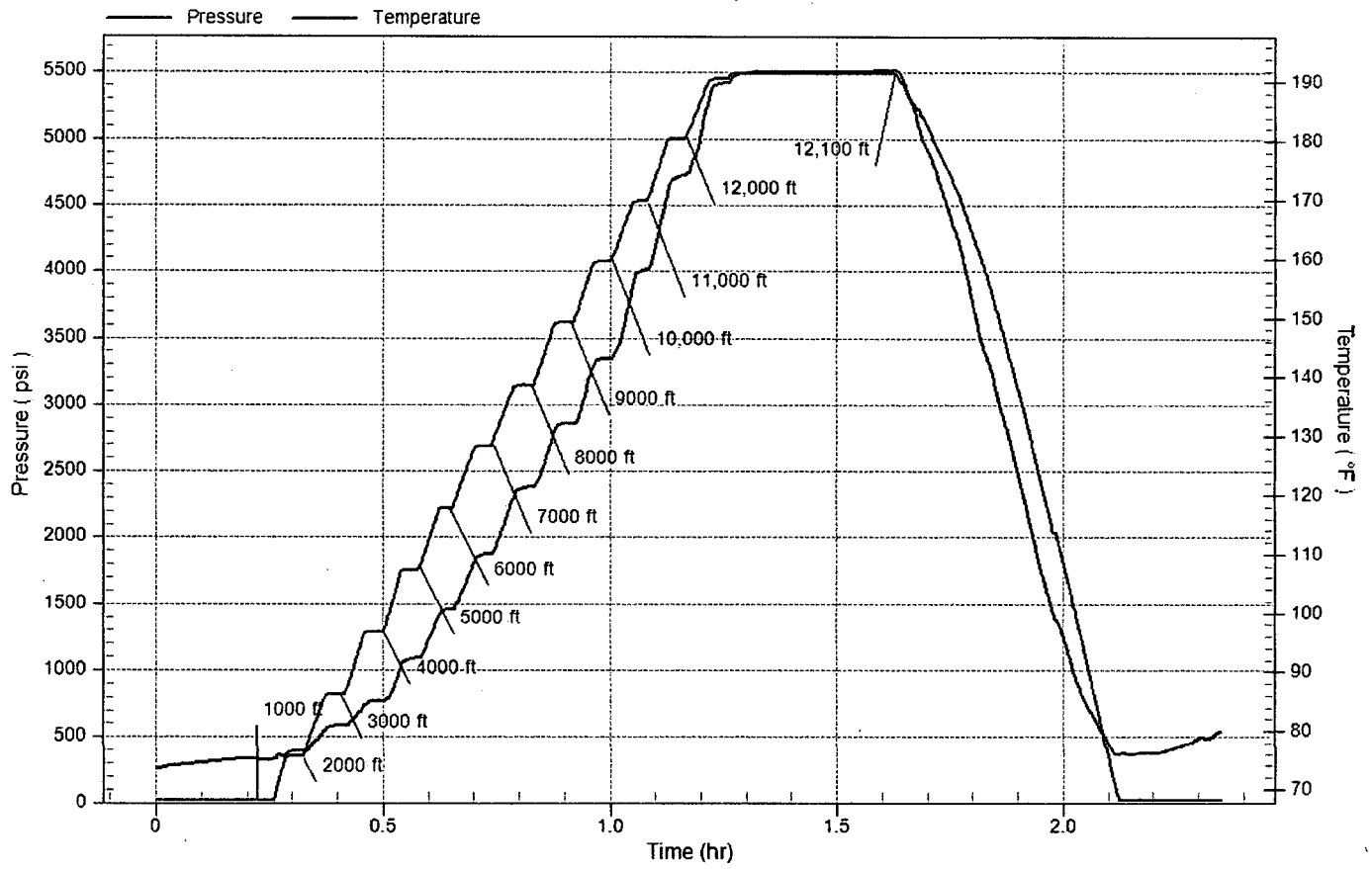
Depth ft	Pressure psi	Temperature degF	Gradient psi/ft
1000.00	12.55	75.15	0.0000
2000.00	353.75	76.66	0.3412
3000.00	820.39	80.94	0.4666
4000.00	1285.44	85.10	0.4650
5000.00	1750.25	92.32	0.4648
6000.00	2215.87	100.53	0.4656
7000.00	2691.52	110.04	0.4757
8000.00	3143.80	121.35	0.4523
9000.00	3614.63	132.17	0.4708
10000.00	4071.16	143.15	0.4565
11000.00	4533.30	158.22	0.4621
12000.00	4993.64	174.14	0.4603
12100.00	5497.67	191.83	5.0403

Analysis Summary

Depth ft	Gradient psi/ft
0.00	
12100.00	0.4942

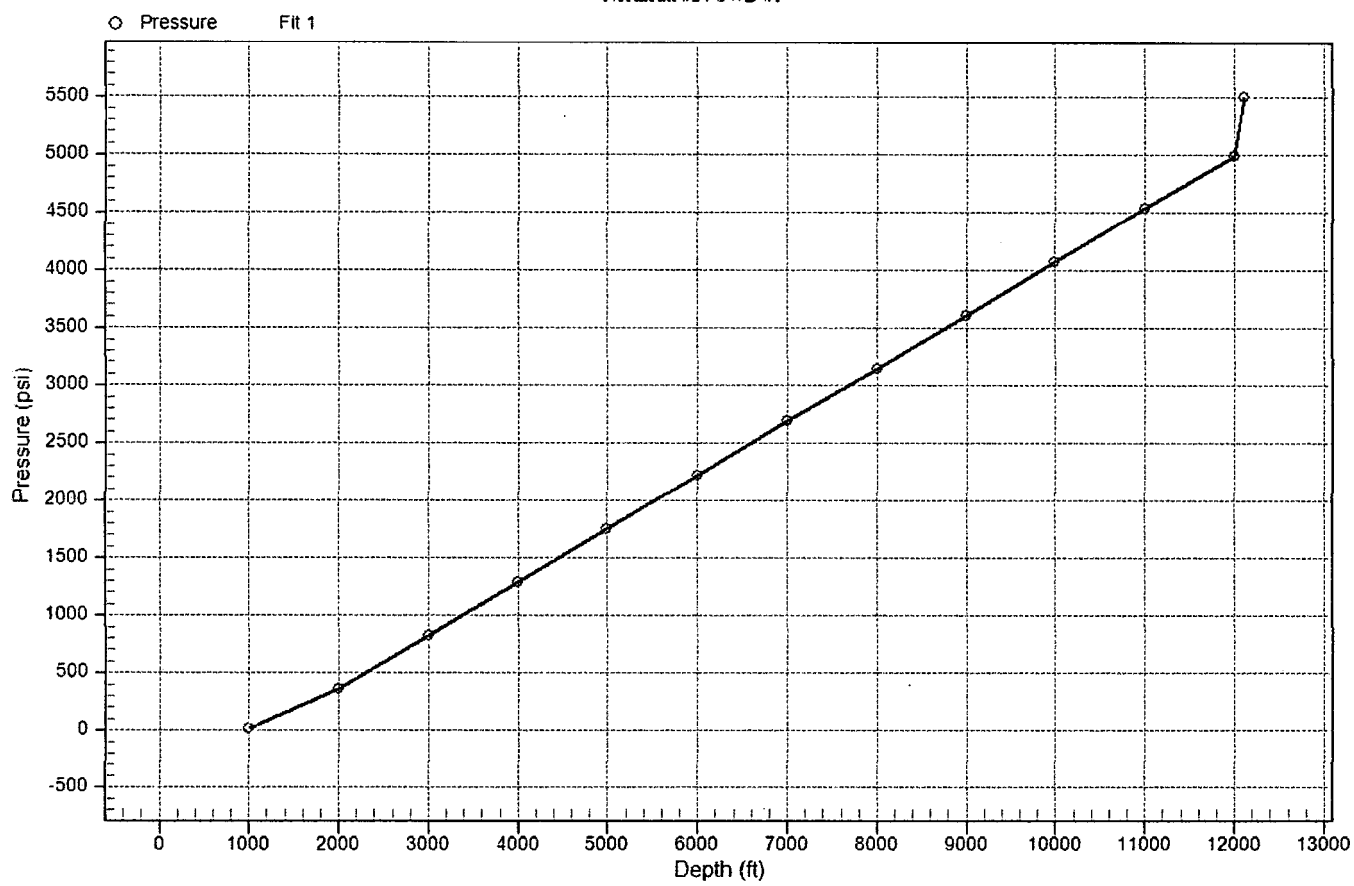
Northcutt #24 SWD #1

PressureSurvey



Pressure vs. Depth

Northcut #24 SWD #1



Temperature vs. Depth

Norheutt #24 SWD #1

