

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

Energy, Minerals and Natural Resources

Revised July 18, 2013

NM OIL CONSERVATION

ARTESIA DISTRICT

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

WELL API NO. 30-015-32903
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Funk 49
8. Well Number 2
9. OGRID Number 24010
10. Pool name or Wildcat POW Atoka
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,351' GL

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 [X] Gas Well [ ] Other [ ]
2. Name of Operator V-F PETROLEUM INC.
3. Address of Operator P.O. Box 1889, Midland, Texas 79702
4. Well Location Unit Letter A : 660 feet from the North line and 990 feet from the East line
Section 33 Township 16-S Range 26-E NMPM Eddy County

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK [ ] PLUG AND ABANDON [X]
TEMPORARILY ABANDON [ ] CHANGE PLANS [ ]
PULL OR ALTER CASING [ ] MULTIPLE COMPL [ ]
DOWNHOLE COMMINGLE [ ] CLOSED-LOOP SYSTEM [ ]
OTHER: [ ]

SUBSEQUENT REPORT OF:

REMEDIAL WORK [ ] ALTERING CASING [ ]
COMMENCE DRILLING OPNS [ ] P AND A [ ]
CASING/CEMENT JOB [ ]
OTHER: [ ]

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

Set CIPB @ 7,625' w/ 35' CMT. - WOC & TAG
Set CIPB @ 7,450' w/ 35' CMT. - WOC & TAG
Pull 4,000' 5 1/2" CSG.
Set CMT Plug @ 4,050' w/ 25 sx. - WOC & TAG
Set CMT Plug @ 1,460' w/ 25 sx. - WOC & TAG
Set CMT Plug @ 534' w/ 25 sx. - WOC & TAG
Perf & Set CMT Plug @ 30' - Surface.
Mud laden fluid between each plug.
Cut off CSG and weld plate on top.
Install dry hole marker.

- VISUALLY MAKE SURE CMT IS AT SURF BETWEEN 1328 & 958 - IF NOT - TOP OUT -

Approved for plugging of well bore only. Liability under bond is retained pending receipt of C-103 (Subsequent Report of Well Plugging) which may be found at OCD Web Page under Forms. www.emnrd.state.nm.us/ocd.

WELL MUST BE PLUGGED BY 5/17/17

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

SIGNATURE Eric Sprinkle TITLE Petroleum Engineer DATE 05/11/2016

Type or print name Eric Sprinkle E-mail address: eric@vfpetroleum.com PHONE: 432-683-3344

APPROVED BY: [Signature] TITLE COMPLIANCE OFFICER DATE 5/17/16

Conditions of Approval (if any):

Well: Funk 49 #2  
 Location: 660 FNL & 990 FEL  
 of Sec 3 T-16-S R-36-E  
 in Eddy County, New Mexico  
 API# 30-015-32903

Operator: V-F Petroleum Inc.  
 Field:  
 Elevation: GL= 3351  
 KB-GL= 12  
 KB= 3363

Tot Depth	Hole Size	Tops & Perfs	Casing & Cement
484	17 1/2"		TOC @ 412' (Tag w/ 1") 13 3/8" 48# H-40 CSG w/ 510 sxs CMT
		San Andres @ 871'	
1410	12 1/4"		9 5/8" 36# J-55 CSG w/ 610 sxs CMT
		Glorieta @ 2,150'	
		Tubb @ 3,495'	
		Abo @ 4,225'	
			TOC @ 4,860' (CBL)
		Wolfcamp @ 5,386'	
		Penn @ 6,322'	
		Canyon @ 6,885'	
		Strawn @ 7,474'	
		* Perfs: 7,541' - 59'	
		Atoka @ 7,719'	Packer @ 7,688'
		Perfs: 7,725' - 37'	
		Morrow @ 7,859'	CIPB @ 7,840' w/ CMT to 7,800'
		Perfs: 7,867' - 69'	
8072	8 3/4"		PBTD @ 7,985' 5 1/2" 17# N-80 CSG w/ 1,000 sxs CMT

REMARKS: Current

\* Strawn perfs tested non productive and were not produced (01/2006)

Well: Funk 49 #2  
 Location: 660 FNL & 990 FEL  
 of Sec 3 T-16-S R-36-E  
 in Eddy County, New Mexico  
 API# 30-015-32903

Operator: V-F Petroleum Inc.  
 Field:  
 Elevation: GL= 3351  
 KB-GL= 12  
 KB= 3363

Tot Depth	Hole Size	Tops & Perfs	Casing & Cement
484	17 1/2"		Perf & Plug @ 30' to Surf w/ CMT TOC @ 412' (Tag w/ 1") 13 3/8" 48# H-40 CSG w/ 510 sxs CMT
1410	12 1/4"	San Andres @ 871'	Plug @ 534' w/ 25 sx CMT
8072	8 3/4"	Glorieta @ 2,150' Tubb @ 3,495' Abo @ 4,225' Wolfcamp @ 5,386' Penn @ 6,322' Canyon @ 6,885' Strawn @ 7,474' * Perfs: 7,541' - 59' Atoka @ 7,719' Perfs: 7,725' - 37' Morrow @ 7,859' Perfs: 7,867' - 69'	9 5/8" 36# J-55 CSG w/ 610 sxs CMT Plug @ 1,460' w/ 25 sx CMT Pull CSG @ 4,000' Plug @ 4,050' w/ 25 sx CMT TOC @ 4,860' (CBL) CIPB @ 7,450' w/ 35' CMT CIPB @ 7,625' w/ 35' CMT CIPB @ 7,840' w/ CMT 7,800' PBTD @ 7,985' 5 1/2" 17# N-80 CSG w/ 1,000 sxs CMT

REMARKS: Proposed P&A

\* Strawn perfs tested non productive and were not produced (01/2006)

NEW MEXICO OIL CONSERVATION DIVISION  
DISTRICT 2 OFFICE  
811 S. FIRST STREET  
ARTESIA, NM 88210  
(575)748-1283

**CONDITIONS OF APPROVAL FOR PLUGGING & ABANDONMENT**

Operator: \_\_\_\_\_  
Well Name & Number: \_\_\_\_\_  
API #: \_\_\_\_\_

1. Produced water **will not** be used during any part of the plugging & abandonment operation.
2. Notify NMOCD Dist. 2 office at least 24 hrs before beginning work.
3. Closed Loop System is to be used for entire plugging operation. Upon completion, contents of steel pit are to be hauled to a permitted disposal location.
4. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator, as well as the contractor, to verify that this permit is place prior to performing work. Drivers shall produce a copy upon request of NMOCD Field Inspectors.
5. A subsequent C-103 will serve as notification that the well bore has been plugged **ONLY**. A C-103 FINAL shall be filed before any bonding can be released on the well. Upon receipt of the Final, an inspection will be performed to verify that the location has been satisfactorily cleaned to NMOCD standards.
6. If work has not begun within 90 days of the approval of this procedure, an extension request must be filed, stating reason that well has not been plugged.
7. Every attempt must be made to clean the well bore out to below the perfs, before any plugs can be set, by whatever means possible.
8. **Cement Retainers may not be used.**
9. **Squeeze pressures are not to exceed 500 PSI, unless approval is given by NMOCD.**
10. **Plugs may be combined after consulting with and getting approval from NMOCD.**
11. **Minimum WOC time for tag plugs will be 4 Hrs.**
12. **19.15.7.16 : B.** In the case of a dry hole, a complete record of the well on form C-105 with the attachments listed in Subsection A of 19.15.7.16 NMAC shall accompany the notice of intention to plug the well, unless previously filed. The division shall not approve the plugging report or release the bond the operator has complied with 19.15.7.16 NMAC.

**DATE:**

**APPROVED BY:**

## GUIDELINES FOR PLUGGING AND ABANDONMENT

### DISTRICT II / ARTESIA

- All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater.
- Mud laden fluids must be placed between all cement plugs.
- Mud laden fluids must be mixed at 25 sacks of gel per 100 bbls of water.
- A cement plug is required to be set 50' below and 50' above all casing shoes and casing stub plugs. These plugs must be tagged.
- A CIBP with 35' of cement on top may be set in lieu of 100' cement plug.
- A plug as indicated above must be placed within 100' of top perforation. This plug must be tagged.
- Plugs set below and above salt zones must be tagged.
- No more than 2000' is to be allowed between cement plugs in open hole and no more than 3000' in cased hole.
- DV tools are required to have a 100' cement plug set 50' above and below the tool and must be tagged.
  
- Formations to be isolated with plugs placed at the top of each formation are:
  - Fusselman
  - Devonian
  - Morrow
  - Wolfcamp
  - Bone Spring
  - Delaware
  - Any Salt Section (Plug at top and bottom)
  - Abo
  - Glorieta
  - Yates (this plus is usually at base of salt section)
  
- If cement does not exist behind casing strings at recommended formation depths, the casing must be cut and pulled with plugs set at these depths or casing must be perforated and cement squeezed behind casing at the formation depths.
- In the R-111-P area (Potash Mine area) a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts common to the section penetrated and in suitable proportions, but not more than a 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible (50' below and 50' above).