

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 August 1, 2011

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-015-30084
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Funk 49
8. Well Number #1
9. OGRID Number 246289
10. Pool name or Wildcat Cisco Canyon

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	<b>RECEIVED</b> MAY 17 2013 NMOCD ARTESIA
2. Name of Operator RKI Exploration & Production, LLC	
3. Address of Operator 210 Park Avenue, Suite 900, Oklahoma City, OK 73102	
4. Well Location Unit Letter <u>L</u> : <u>1650</u> feet from the <u>south</u> line and <u>1080 feet</u> feet from the <u>west</u> line Section <u>33</u> Township <u>16S</u> Range <u>26E</u> NMPM County <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3349 feet GL	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

RKI Exploration & Production, LLC proposes to plug and abandon the subject well as detailed in the attached Plugging & Abandonment Procedures. The current wellbore schematic is also attached for reference.

CONDITIONS OF APPROVAL ATTACHED

Approval Granted providing work is  
Completed by

May 24-2014

Spud Date: 9/19/1998

Rig Release Date: 10/11/1998

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

SIGNATURE Charles K. Ahn TITLE EH&S/Regulatory Manager DATE 5/17/2013

Type or print name Charles K. Ahn E-mail address: cahn@rkixp.com PHONE: 405-996-5771  
For State Use Only

APPROVED BY: SR Dade TITLE Dist H. S. pwr DATE May 24-2013  
Conditions of Approval (if any):

\* SEE ATTACHED COA's

# **RKI Exploration & Production, LLC**

## **Funk 49-1**

### **Plugging & Abandonment Procedure**

Section 33 T16S R26E  
Eddy County, New Mexico  
API # 30-015-30084

Prepared By: Jaime McAlpine, P.E.  
Email: jmc Alpine@rkixp.com

**Spud Date:** 9/19/98  
**Comp Date:** 10/11/98

**Producing Formation:** Cisco Canyon 6,826'-6,864' OA

**KB Elev:** 3,361'  
**GL Elev:** 3,349'  
**TD:** 8,150' **PBTD:** 6,865'

#### **TUBULAR SUMMARY:**

Surface: 13 3/8" 68# K-55 8rd STC: 0-451' - TOC @ surface  
Intermediate: 8 5/8" 24# STC: 0' - 1,350' - TOC at surface  
Production: 5 1/2" 17# N-80, K-55, J-55 LTC: 0' - 6,900' - TOC @ 5,970' per CBL  
Tubing: 2 7/8" 6.5# J-55 EUE: 0'-6,821'

**OBJECTIVE:** Plug and abandon per Federal BLM requirements.

**RKI REQUIRES THAT HARD HATS, STEEL TOE BOOTS, FIRE RETARDANT CLOTHING, AND SAFETY GLASSES BE WORN ON LOCATION**

**HOLD SAFETY MEETING PRIOR TO COMMENCING DAILY OPERATIONS**

**NO IGNITION SOURCES WITHIN 100 FT OF THE WELLHEAD, TANKS OR MANIFOLD.**

#### **PROCEDURE:**

- 1) Test safety anchors.
- 2) MI RU Service Unit.
- 3) HO PU.
- 4) Unseat pump, ROH, LD rods/pump.
- 5) ND B-1 flange. NU BOP.
- 6) Release TAC. TOH w/ tubing.
- 7) MI RU wireline. RIH w/ JB/GR to 6,825'. RIH and set CIBP @ 6,765'.
- 8) MI RU cementers. TIH w/ tubing to 6,765' and gently tag plug, PU 15'. Pump 25 sx cmt. Flush w/ 23 bbls. mud. POH LD 6 jts. tubing. Circulate hole w/ 120 bbls. mud.
- 9) TOH w/ tubing. LD 56 jts tubing.
- 10) Pull free point on 5-1/2" casing. RIH and cut-off 5-1/2" @ 5,000'. TOH and LD 5-1/2" casing.
- 11) TIH w/ tubing to 5,000'.

- 12) Pump 40 sx Class C, 16.4 ppg/4.3 gps and flush w/ 17 bbls. mud.
- 13) POH w/ 10 jts. tubing. SI well. WOCT. RIH and tag cmt. plug.
- 14) POH w/ tubing to 4,135'. LD tubing.
- 15) Pump 40 sx Class C, 16.4 ppg/4.3 gps and flush w/ 13 bbls. mud.
- 16) POH w/ tubing to 2,135'. LD tubing.
- 17) Pump 40 sx Class C, 16.4 ppg/4.3 gps and flush w/ 5 bbls. mud.
- 18) POH w/ 10 jts. tubing. SI well. WOCT. RIH and tag cmt. plug.
- 19) POH w/ tubing to 1400'. LD tubing
- 20) Pump 40 sx Class C, 16.4 ppg/4.3 gps and flush w/ 2-1/2 bbls. mud.
- 21) POH w/ 10 jts. tubing. SI well. WOCT. RIH and tag cmt. plug.
- 22) POH w/ tubing to 100'. LD tubing.
- 23) Pump 40 sx Class C, 16.4 ppg/4.3 gps. LD tubing. RD MO cementers. RD MO service unit.
- 24) Cut off casing 3' below ground level. WO cap with operator, well name/number and date. Remove all equipment, pull safety anchors and clean up surface location.

**RKI Contact List:**

<b>RKI</b>	<b>Title</b>	<b>Office</b>	<b>Cell</b>
Brent Umberham	Manager-Drlg & Prod Ops	405-996-5748	405-623-5080
Ken Fairchild	Production Manager	405-996-5764	469-693-6051
Jaime McAlpine	Engineering Consultant	405-996-5741	405-850-6685

**Emergency Contacts – New Mexico:**

Hospital:	Carlsbad Medical Center 2430 W. Pierce St., Carlsbad, NM 88220	(575) 887-4100
Sheriff's Office:	Lea County Sheriff Dept Eddy County Sheriff Dept	(575) 396-3611 (575) 887-7551

**Emergency Contacts – Texas:**

Hospital:	Reeves County Hospital 2323 Texas St, Pecos TX 79772	(432) 447-3551
Sheriff's Office:	Reeves County Sheriff Dept Loving County Sheriff Dept	(432) 445-4901 (432) 377-2411

# RKI Exploration and Production, LLC

Funk 49-1

Section 33 T16S R26E

Eddy County, New Mexico

API No. 30-015-30084

KB - 3,361'

GL - 3,349'

1/8/13; BAB

## Tubing Top to Bottom:

206 Jts 2-7/8" 6.5# J-55 EUE 8rd  
Tbg, TAC, 3 Jts Tbg, SN, 4' x 2-  
7/8" perforated Sub, MA  
TAC @ 6,687', SN @ 6,784'  
EOT @ 6,821'

## Rod string Top to Bottom:

1-1/4" x 24' Polish Rod w/ 1-1/2" x  
16' Liner, 4', 6' x 3/4" Pony Subs, 112  
- 7/8" D78 Rods, 140 - 3/4" D78  
Rods, 18 - 7/8" D78 Rods, 2-1/2" x  
1-1/2" x 24' RHBC HVR pump w/ 1-  
1/2" x 4' gas anchor

② 100' - 40sx plug

13 3/8" 68# K-55 8rd ST&C @ 451'

8 5/8" 24# ST&C @ 1,350'

① 1400' - 40sx plug

① 2135' - 40sx plug

① 4135' - 40sx plug

⑩ 5000' Cut 5 1/2" casing  
40sx5 Cmt /woc - tag

TOC @ 5,970' per CBL

Tubing anchor @ 6,687' per rpt

⑦ CIBP@ 6765  
25sx5 Cmt

Cisco Canyon 6,826'-6,864' OA

PBTD 6,865'  
TD 8,150'

5 1/2" 17# N-80 LT&C, K-55, J-55 @ 6,900'

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: R&E Exploration & Prod  
Well Name & Number: Funk 49 #1  
API #: 30-015-30084

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 perms, 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.

DATE: May 24<sup>th</sup> 2013

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 plug 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).