

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. 30-015-38599
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: SPIKETAIL (SWD)
8. Well Number 001
9. OGRID Number 162683
10. Pool name or Wildcat SWD CISCO CANYON
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,638' - GR

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 type="checkbox"/> Gas Well <input type="checkbox"/> Other <u>SWD</u>	7. Lease Name or Unit Agreement Name: SPIKETAIL (SWD)
2. Name of Operator CIMAREX ENERGY CO. OF COLORADO	8. Well Number 001
3. Address of Operator 600 N. MARIENFELD, SUITE 600, MIDLAND, TEXAS 79701	9. OGRID Number 162683
4. Well Location Unit Letter <u>K</u> : <u>2610</u> feet from the <u>SOUTH</u> line and <u>1980</u> feet from the <u>WEST</u> line Section <u>05</u> Township <u>17S</u> Range <u>29E</u> NMPM County <u>EDDY</u>	10. Pool name or Wildcat SWD CISCO CANYON
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,638' - GR	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

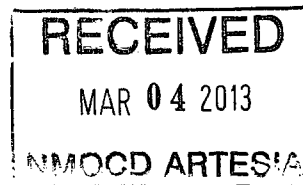
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

Approval Granted providing work
is complete by MAY 31-2013

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.

- 1) TAG EXISTING 7" CIBP + CMT. @ +/-8,085'; CIRC. WELL W/ PXA MUD.
- 2) PUMP 40 SXS.CMT. @ 4,404'-4,264' (T/ELINERY).
- 3) PUMP 35 SXS.CMT. @ 2,835'-2,705' (SQZ.PERFS); WOC X TAG.
- 4) PUMP 30 SXS.CMT. @ 1,277'-1,167' (9-5/8" CSG.SHOE).
- 5) PUMP 25 SXS.CMT. @ 500'-400' (13-3/8" CSG.SHOE); WOC X TAG CMT. PLUG.
- 6) MIX X CIRC. TO SURF. 25 SXS.CMT. @ 100'-3'.
- 7) DIG OUT X CUT OFF WELLHEAD 3' B.G.L.; WELD ON STEEL PLATE TO CSGS. X INSTALL DRY HOLE MARKER.



Spud Date:

Rig Release Date:

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

SIGNATURE David A. Eyler TITLE AGENT DATE 02/27/13

DEYLER@MILAGRO-RES.COM

Type or print name DAVID A. EYLER E-mail address: DEYLER@MILAGRO-RES.COM PHONE 432.687.3033

For State Use Only

APPROVED BY R. Wade TITLE DIST # Supervisor DATE Mar 6 -2013

Conditions of Approval (if any): See Attached COA's



Cimarex Energy Co. of Colorado

Spiketail 5 State 1 (SWD)

2610' FSL & 1980' FWL

Sec 5 - T17S - R29E, Eddy Co NM

M. Ketter

API: 30-015-38599

8/2/2011

13-3/8" 48# H40 csg @ 450'

Cmt'd w/649 sxs cmt; Cird'l'd cmt

9-5/8" 40# J55 csg @ 1222'

Cmt'd w/470 sxs cmt; Cird'l'd cmt

TOC 2850' by CBL 7/29/11

Sqz holes @ 2770. Pump 400 sxs Tixotropic

No tubing in well.

CIBP @ 8120' Capped w/5 sx (35') cement (6/14/2012)

8154-8156

8188-8202

8206-8216

8300-8347

8438-8454

8483-8485

8512-8516

8752-8760

8742-8744

8726-8730

8810-8820

Cisco Canyon Perfs 4SPF 90d phase

Acidized with 10,000g 15% NEFE HCl

8850-8854

8560-8864

8874-8876

8888-8896

8936-8942

9000-9002

9021-9023

9040-9042

9065-9067

9080-9082

9086-9090

9118-9120

9124-9130

9172-9180

9232-9234

9286-9288

7" 26# N80 LTC csg @ 9,383'

Cm'd w/900 sxs'; "Good circulation through out job

TOC 2850' by CBL 7/29/11

TD: 9400'

PBTD:

CIMAREX**Cimarex Energy Co. of Colorado**

Spiketail 5 State 1 (SWD)

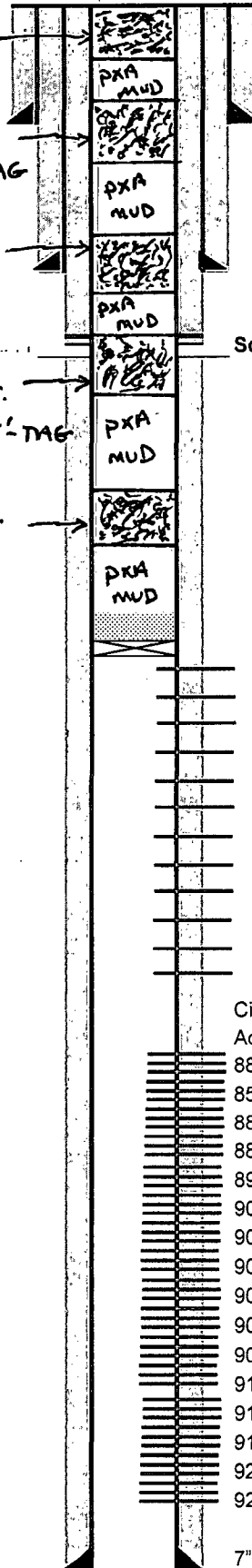
2610' FSL & 1980' FWL

Sec 5 - T17S - R29E, Eddy Co NM

M. Ketter

API: 30-015-38599

8/2/2011

CIRC. 25 SXS. CMT.
@ 100'-3'Pump 25 SXS. CMT.
@ 500'-400' - TAGPump 30 SXS. CMT.
@ 1277'-1167'Pump 35 SXS. CMT.
@ 2835'-2705' - TAGPump 45 SXS. CMT.
@ 4404'-4264'

13-3/8" 48# H40 csg @ 450'

Cmt'd w/649 sxs cmt; Circ'd cmt

9-5/8" 40# J55 csg @ 1222'

Cmt'd w/470 sxs cmt; Circ'd cmt

Sqz holes @ 2770. Pump 400 sxs Tixotropic

CIBP @ 8120' Capped w/5 sx (35') cement (6/14/2012)

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9000-9002

9021-9023

9040-9042

9065-9067

9080-9082

9086-9090

9118-9120

9124-9130

9172-9180

9232-9234

9286-9288

7" 26# N80 LTC csg @ 9,383'

Cm'd w/900 sxs; "Good circulation through out job

TOC 2850' by CBL 7/29/11

TD: 9400'

PBD:

DAS 02/15/13

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: CIMAREX Energy

Well Name & Number: Spike Tail (SWD) #1

API #: 30-015-38599

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: Mar 6, 2013

APPROVED BY: *LR Dade*

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).