

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. 30-025-25893
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 538055
7. Lease Name or Unit Agreement Name STATE "DR"
8. Well Number 002
9. OGRID Number 162683
10. Pool name or Wildcat E. LUSK

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  
 CIMAREX ENERGY CO. OF COLORADO

3. Address of Operator  
 600 N. MARIENFELD, SUITE 600, MIDLAND, TEXAS 79701

4. Well Location

Unit Letter H : 1650 feet from the NORTH line and 990 feet from the EAST line  
 Section 16 Township 19S Range 32E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
 3,639' - RKB

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 ☐

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.

- 1) TAG PBTD @ +/-5,564'; PUMP 25 SXS. CMT. @ 5,564'-5,364' (T/DLWR.).
- 2) PUMP 25 SXS. CMT. @ 4,117'-3,977' (8-5/8" CSG. SHOE); WOC X TAG TOC.
- 3) SET 5-1/2" CIBP @ 2,850'; PUMP 25 SXS. CMT. @ 2,850'-2,730' (T/YATES); CIRC. WELL W/ M.L.F.
- 4) PERF. X ATTEMPT TO SQZ. 40 SXS. CMT. @ 525'-425' (13-3/8" CSG. SHOE); WOC X TAG TOC.
- 5) PERF. X CIRC. TO SURF., FILLING ALL ANNULI, 25 SXS. CMT. @ 63'-3'.
- 6) DIG OUT X CUT OFF WELLHEAD 3' B.G.L.; VERITY CMT. TO SURF. ON ALL ANNULI; WELD ON STEEL PLATE TO CSGS. X INSTALL DRY HOLE MARKER. **Below Ground Marker Take & send pics before back filling**

DURING THIS PROCEDURE WE PLAN TO USE THE CLOSED-LOOP SYSTEM W/ A STEEL TANK AND HAUL CONTENTS TO THE REQUIRED DISPOSAL, PER OCD RULE 19.15.17.

Note changes to procedure

See attached Conditions of Approval

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



TITLE: AGENT

DATE: 01/16/21

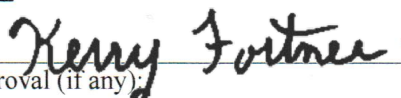
Type or print name: DAVID A. EYLER

E-mail address: [deyler@milagro-res.com](mailto:deyler@milagro-res.com)

PHONE: 432.687.3033

For State Use Only

APPROVED BY:



TITLE Compliance Officer A

DATE 4/15/21

Conditions of Approval (if any):


**Cimarex Energy Co. of Colorado**
**State DR #2**

API 30-025-25893

1650' FNL &amp; 990' FEL, Sec 16, T19S R32E

Lea County, NM

GL: 3623' KB: 3638" (15')

rstock

5/9/16

Reviewed by Juan Comella (1/13/2021)

**13-3/8" 48#, H40, STC csg @ 475'**
**475 sxs; Circl'd Cmt**
**TOC @ 2410'**
**Yates Perfs:**
**2890'-98', 2900'-10', 2930'-38', 2954'-60'**
**2997'-3304'**
**8-5/5" 32# K55 STC csg @ 4,047'**
**2900 sxs; Circl'd Cmt**
**Tubing Detail**

State DR 2

KB Correction 13

7/28/2016

Quantity	Description	Length	Setting Depth
90	2-7/8" 6.5# N-80 8rd EUE Tubing	2,805.13	2818.13
1	3-1/2" x 6' L-80 Lift Sub	6.1	2824.23
1	NOV 47-1500 State 4-1/2" l/d	27.25	2851.48
1	3-1/2" x 2-7/8" Tag	1.65	2853.13
1	2-7/8" 6.5# N-80 8rd EUE Tubing	31.78	2884.91
1	2-7/8" x 5-1/2" TAC - RHS	2.85	2887.76

**12 sx Cmt Plug 5564'-5664'**
**Rod Detail**

7/28/2016

Quantity	Description	Length	Setting Depth
1	1-1/4" x 16' Polish rod	16	16
1	1" KD - X Torque rod	25	41
1	3) 1" x 4', 8' & 8' KD-X torque pony rods	20	61
111	1" Grade KK Rods	2750	2811
1	NOV 47-1500 rotor	26.3	2837.3

**CIBP @ 9845'. Cmt to 9754'**
**Bone Spring Perfs:**
**9930'-40' & 9958'-72' (9/81)**
**CIBP @ 10,319' 35' Cmt Cap**
**Wolfcamp Perfs:**
**10,485'-495' & 10,676'-718' (3/79)**
**Wolfcamp Perfs:**
**10,721'-10,744' (8/78)**
**5-1/2" csg @ 11,000'**
**1,420 sxs; TOC @ 2,410'**
**PBTD: 5564'**  
**TD: 11,000'**





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475 sxs; Circl'd Cmt

PERF. X CIRC. 25 SXS @ 43'-3'

PERF. X SQZ. 40 SXS @ 525'-425' TAG

PUMP 25 SXS @ 2,850'-2,730'

SET 5-1/2" CIBP @ 2,850'

Yates Perfs:

2890'-98', 2900'-10', 2930'-38', 2954'-60'

2997'-3304'

8-5/5" 32# K55 STC csg @ 4,047'

2900 sxs; Circl'd Cmt

PUMP 25 SXS @ 2,850'-

4,117'-3,977' TAG

PUMP 25 SXS @ 5,564'-5364'

P&S 25 sx Class C 2300  
top of salt WOC and tag

TOC @ 2410'

Spot 25 sx Class C 5564  
WOC and tag

Drill out existing plug  
12 sx Cmt Plug 5564'-5664'

1st Bone Springs

Spot 25 sx Class H 7240  
WOC and tag

2nd Bone Springs

Spot 25 sx Class H 9232  
WOC and tag

CIBP @ 9845'. Cmt to 9754'

CIBP @ 10,319' 35' Cmt Cap

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9930'-40' &amp; 9958'-72' (9/81)

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1,420 sxs; TOC @ 2,410'

PBTD: 5564'

TD: 11,000'

**CONDITIONS OF APPROVAL  
FOR PLUGGING AND ABANDONMENT  
OCD - Southern District**

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office I (Hobbs) at **(575)-263-6633** at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

**Company representative will be on location during plugging procedures.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. 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 in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.
16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).

19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
- A) Fusselman
  - B) Devonian
  - C) Morrow
  - D) Wolfcamp
  - E) Bone Springs
  - F) Delaware
  - G) Any salt sections
  - H) Abo
  - I) Glorieta
  - J) Yates.
  - K) Potash---(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 that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, woe 4 hours and tag, this plug will be SO' below the bottom and 50' above the top of the Formation.

21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, woe and tagged. These plugs will be set SO' below formation bottom to 50' above formation top inside the casing.

### **DRY HOLE MARKER REQ.UIRMENTS**

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least 1/4" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name
2. Lease and Well Number
3. API Number
4. Unit letter
5. Quarter Section (feet from the North, South, East or West)
6. Section, Township and Range
7. Plugging Date
8. County

### **SPECIAL CASES -----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS**

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

### **SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION**

**District I**

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**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 20385

**COMMENTS**

Operator:	OGRID:	Action Number:	Action Type:
CIMAREX ENERGY CO. OF COLORADO Suite 600 Midland, TX79701	162683	20385	C-103F

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	04/28/2021

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CONDITIONS

Action 20385

**CONDITIONS OF APPROVAL**

Operator: CIMAREX ENERGY CO. OF COLORADO Suite 600 Midland, TX79701		600 N. Marienfeld Street	OGRID: 162683	Action Number: 20385	Action Type: C-103F
OCD Reviewer kfortner	Condition see attached conditions of approval Note changes to plugging procedure				