

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

WELL API NO.
30-015-29871

5. Indicate Type of Lease

STATE	FEE	X
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6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

MCGRUDER 13

8. Well Number
001 ST

9. OGRID Number
162683

10. Pool name or Wildcat
HAPPY VALLEY; MORROW

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 X Other

HOBBS OCD

2. Name of Operator
CIMAREX ENERGY CO. OF COLORADO

JUL 10 2015

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

RECEIVED

4. Well Location

Unit Letter	N	:	281	feet from the	SOUTH	line and	1924	feet from the	WEST	line
Section	13				Township	22S	Range	25E	NMPM	EDDY County

11. Elevation (*Show whether DR, RKB, RT, GR, etc.*)
3.404' - GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK	<input type="checkbox"/>	PLUG AND ABANDON	X
TEMPORARILY ABANDON	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	MULTIPLE COMPL	<input type="checkbox"/>
DOWNHOLE COMMINGLE	<input type="checkbox"/>		

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) SET 5-1/2" CIBP @ 10,200'; PUMP 25 SXS. CMT. @ 10,200'-10,000'; CIRC. WELL W/ PXA MUD.
- 2) PUMP 30 SXS. CMT. @ 8,590'-8,410' (T/WC, DV TOOL); WOC X TAG CMT. PLUG.
- 3) PUMP 25 SXS. CMT. @ 7,000'-6,830' (SPACER PLUG).
- 4) PUMP 25 SXS. CMT. @ 5,075'-4,925' (9-5/8" CSG.SHOE); WOC X TAG CMT. PLUG.
- 5) PUMP 25 SXS. CMT. @ 4,651'-4,511' (T/B.S.); WOC X TAG CMT. PLUG.
- 6) CUT X PULL 5-1/2" @ +/-4,000'. 7) PUMP 50 SXS. CMT. @ 4,070'-3,930' (5-1/2" CSG.STUB); WOC X TAG CMT. PLUG.
- 8) PUMP 60 SXS. CMT. @ 2,150'-2,030' (T/DLWR); WOC X TAG CMT. PLUG.
- 9) PUMP 55 SXS. CMT. @ 1,176'-1,066' (13-3/8" CSG.SHOE); WOC X TAG CMT. PLUG.
- 10) MIX X CIRC. TO SURF. 40 SXS. CMT. @ 100'-3'.
- 11) DIG OUT X CUT OFF WELLHEAD 3' B.G.L.; WELD ON STEEL PLATE TO CSGS. X INSTALL DRY HOLE MARKER.

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.cmrnd.state.nm.us/oecd.

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.

Spud Date:

Rig Release Date:

well bore must be plugged by 7/17/2016

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

SIGNATURE

TITLE: AGENT

DATE: 07/01/15

Type or print name: DAVID A. EYLER

E-mail address: DEYLER@MILAGRO-RES.COM PHONE: 432.687.3033

For State Use Only

APPROVED BY:

TITLE

DATE 7-12-5

Conditions of Approval (if any):

*) See Attached COA's



KB - 19' AGL

Cimarex Energy Co. of Colorado

McGruder "13" Federal #1 State

281' FSL 1924' FWL

Sec. 13, T-22-S, R-25-E, Eddy Co., NM

API #30-015-29871

J Piwetz

5/6/2015

30", Conductor @ 31'

cmtd circulated to surface

20", 94# J-55 csg @ 355'

cmtd w/ 700 sx, cmt circ

13-3/8", 48# H-40 csg @ 1121'

cmtd w/700 sx, cmt circ

Topped out cmt on 9-5/8" x 13-3/8" annulus

with 50 sx Class "C" 4/17/2005

9-5/8", 40# HCK & J-55 csg @ 5000'

cmtd 1st stage w/703 sx

cmtd 2nd stage w/1024 sx Circ to surface

DV tool depth NR

Original Well Name: McGruder Federal Com #1

Original Operator: Louis Dreyfus Natural Gas Corp.

TUBING DETAIL

1 Jt 2 3/8" L-80 4.7 #/ft-31.63

2-2 3/8" L-80 tbg Subs-20.31

310 Jts 2 3/8" L-80 4.7-10126.29

5 1/2"x 2 3/8" On/Off tool-1.85 @ 10197.25

1.875" F Profile Nipple

5 1/2"x 2 3/8" AS-IX Packer-5.50 @ 10205.50

2 3/8" L-80 Tbg Sub-6.08

2 3/8" WLEG-.50

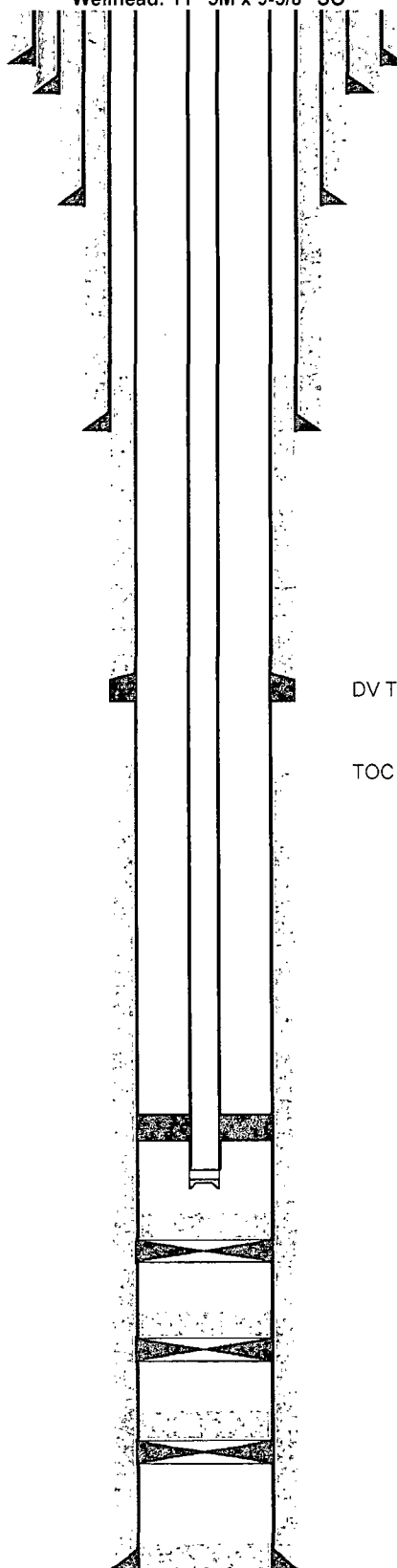
EOT @ 10211.58

5-1/2" 17# P-110 & P-110HC @ 11455'

cmtd 1st stage w/520 sx,

cmtd 2nd stage w/980 sx, TOC = 4326'

Wellhead: 11" 5M x 9-5/8" SO



Re-entered well 4/17/2005

Sidetracked @ 5767 with new 7-7/8" hole to TD @ 11,455'

2nd Stage TOC @ 4326' by CBL

DV Tool @ 8535'

TOC NR

Morrow perfs (11,120' - 11,204') (6/20/02)

Arrowset AS-1X Packer @ 10205'

Atoka perfs (10,250-10,260')

CIBP @ 10,630' + 30' Cement (6/30/02)

Morrow perfs (10,654 - 10,786')

CIBP @ 10,822' + 30' Cement

Morrow perfs (10,836 - 10,904')

CIBP @ 10,994' + 10' Cement

Morrow perfs (11,019-11,151') noncontinuous

TD @ 11,455'
PBTD @ 11,366'



Cimarex Energy Co. of Colorado
McGruder "13" Federal #1 State
281' FSL 1924' FWL

Sec. 13, T-22-S, R-25-E, Eddy Co., NM
API #30-015-29871

J Piwetz

5/6/2015

30", Conductor @ 31'
cmtd circulated to surface

20", 94# J-55 csg @ 355'
cmtd w/ 700 sx, cmt circ

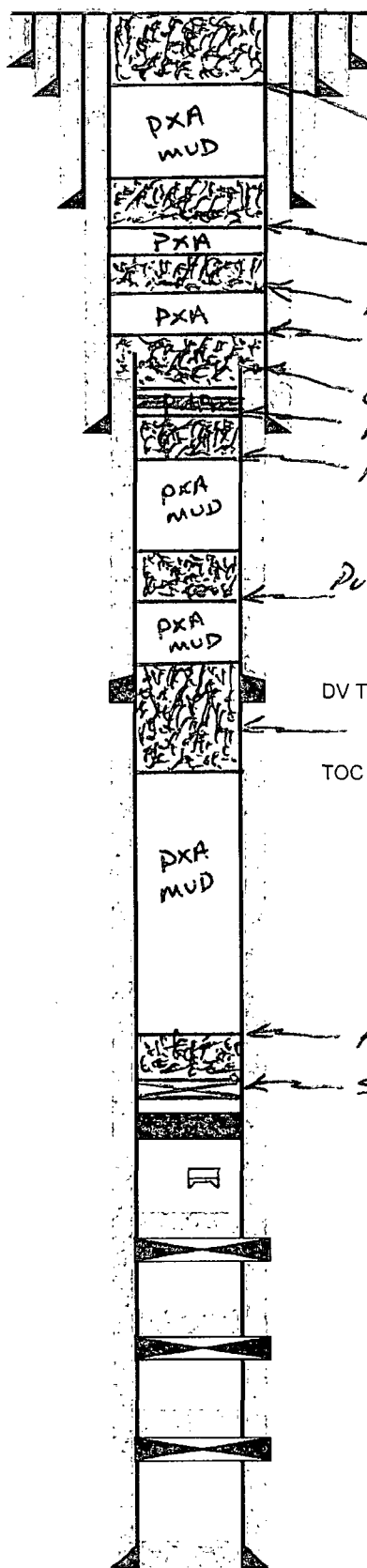
13-3/8", 48# H-40 csg @ 1121'
cmtd w/700 sx, cmt circ

Topped out cmt on 9-5/8" x 13-3/8" annulus
with 50 sx Class "C" 4/17/2005

9-5/8", 40# HCK & J-55 csg @ 5000'
cmtd 1st stage w/703 sx
cmtd 2nd stage w/1024 sx Circ to surface
DV tool depth NR

Original Well Name: McGruder Federal Com #1
Original Operator: Louis Dreyfus Natural Gas Corp.

KB - 19' AGL



CIRC. 40 SXS. @ 100' - 3'

Re-entered well 4/17/2005

Sidetracked @ 5767 with new 7-7/8" hole to TD @ 11,455'

Pump 55 SXS. @ 1176' - 1066' - TAG

Pump 60 SXS. @ 2150' - 2030' - TAG

Pump 50 SXS. @ 4070' - 3930' - TAG

2nd Stage TOC @ 4326' by CBL

CUT 5 1/2" CSG. @ 4,000'

Pump 25 SXS. @ 4651' - 4511' - TAG

Pump 25 SXS. @ 5075' - 4925' - TAG

Pump 25 SXS. @ 7000' - 6930'

DV Tool @ 8535'

Pump 30 SXS. @ 8590' - 8410' - TAG

TOC NR

Morrow perms (11,120' - 11,204') (6/20/02)

Pump 25 SXS @ 10200' - 10000'

SET 5 1/2" CIBP @ 10200'

Arrowset AS-1X Packer @ 10205'

Atoka perms (10,250-10,260')

CIBP @ 10,630' + 30' Cement (6/30/02)

Morrow perms (10,654 - 10,786')

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5-1/2" 17# P-110 & P-110HC @ 11455'
cmtd 1st stage w/520 sx,
cmtd 2nd stage w/980 sx, TOC = 4326'

TD @ 11,455'
PBTD @ 11,366'

DAE 05/20/15

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

Well Name & Number: McBrender 13 - 1

API #: 30 - 015 - 29821

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 in 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.**

AD

7/17/15

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).