

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. 30-025-30914
5. Indicate Type of Lease STATE FEE X
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name GRAHAM, R.E. "7"
8. Well Number 004
9. OGRID Number 215099
10. Pool name or Wildcat NORTH YOUNG; BONE SPRING

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.

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

4. Well Location
Unit Letter O : 660 feet from the SOUTH line and 1980 feet from the EAST line
Section 07 Township 18S Range 32E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,763' - GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT RI	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	INT TO PA <u>Pm.</u> P&A NR _____ P&A R _____
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <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: _____	

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.

TAG PBTD & CIRC MLF, PRESSURE TEST.

1) PUMP 25 SXS. CMT. @ 6,874'-6,714' (5-1/2" DV TOOL); ~~CIRC. WELL W/ M.L.F., PRES. TEST CSG.~~ WOC & TAG

2) PUMP 25 SXS. CMT. @ 6,283'-6,123' (T/B.S.).

3) PUMP 95 SXS. CMT. @ 3150'-2475' (8-5/8" CSG.SHOE, T/YATES); WOC X TAG CMT. PLUG.

4) CUT X PULL 5-1/2" CSG. @ +/-2,000'

5) PUMP 35 SXS. CMT. @ 2,060'-1,940' (5-1/2" CSG.STUB); WOC X TAG CMT. PLUG.

6) PUMP 45 SXS. CMT. @ 1,055'-945' (T/SALT); WOC X TAG CMT. PLUG.

7) MIX X CIRC. TO SURF. 220 SXS. CMT. @ 695'-3'; (13-3/8" CSG.SHOE).

8) DIG OUT X CUT OFF WELLHEAD 3' B.G.L.; WELD ON STEEL PLATE TO CSGS. X INSTALL GROUND LEVEL DRY HOLE MARKER. (L.P.C. TIMED AREA)

Verify Cmt, Record GPS co-ordinates & take Photo

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:

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: 11/14/17

Type or print name: DAVID A. EYLER E-mail address: deyler@milagro-res.com PHONE: 432.687.3033

For State Use Only

APPROVED BY: Manuel Quintanilla TITLE: Petroleum Engr. Specialist DATE: 11-20-2017

Conditions of Approval (if any):



Cimarex Energy Co. of Colorado

Graham R E 7 #4

660' FSL & 1980' FEL

Unit O, Sec. 7, T-18-S, R-32-E, Lea Co., NM

API #: 30-025-30914

GL: 3763' KB: 3787' (24')

D. Pearson

10/26/17

13-3/8" 48# J-55 csg @ 645'

Cmt'd w/400 sxs 1 stage, circ to surface

*T/SALT ~ 1,000'
T/QN. ~ 3,692'
T/YATES ~ 2,525'
T/G.B. ~ 4,278'
T/B.S. ~ 6,203'*

8-5/8" 32# K-55 ST&C csg @ 3,100'

Cmt'd w/1,325 sxs 1 stage
to surface

TOC = 2,280' by CBL

2nd stage (Above DV tool):

cmt'd w/ 800 sx 13.2 PPG Halco Lite & 100 sx 15.6 PPG Class H w/ .4% Halad
full returns throughout stage

2-7/8" N-80 Tubing OE

Cement retainer setting tool (stinger) @ 7,641'

DV Tool @ 6,794'

TOC = 7,330' by CBL

1st stage (Below DV tool):

cmt'd w/ 650 sx 14.2 PPG 50-50 poz mix
circ'd 100 sx cmt to surface

Cement retainer @ 7,809'

1st Bone Spring Sand Perfs (Squeezed 10/2017):

7,955'-8,134'
(63 total holes)

5-1/2" CIBP @ 8,603' w/ 20' cmt

5-1/2" CIBP @ 8,650' w/ 20' cmt

2nd Bone Spring B/C Sand Perfs:

8,688'-8,917'
(38 total holes)

5-1/2" CIBP @ 10,300' w/ 35' cmt

Wolfcamp Perfs:

10,360'-10,384'
(97 total holes, 4 SPF)

5-1/2" 17# N-80 LT&C csg @ 10,688'

Cmt'd w/1,550 sx 2 stages (650 + 900)

PBTD: 10,632'

TD: 10,700'

13-3/8" 48# J-55 csg @ 645'

Cmt'd w/400 sxs 1 stage, circ to surface

T/SALT ~ 1,000'
T/YATES ~ 2,525'
T/QN. ~ 3,692'
T/G.B. ~ 4,278'
T/B.S. ~ 4,203'
8-5/8" 32# K-55 ST&C csg @ 3,100'

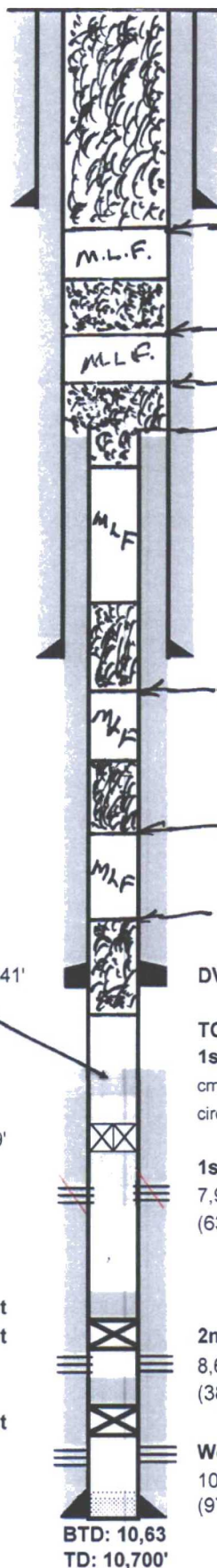
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Cmt'd w/1,550 sx 2 stages (650 + 900)


CIRC. 220 SXS @ 695'-3'
Pump 45 SXS @ 1055'-945'-TAG
Pump 35 SXS @ 2060'-1940'-TAG
CUT X PULL 5 1/2\" CSE @ 2,000'

TOC = 2,280' by CBL

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cmt'd w/ 800 sx 13.2 PPG Halco Lite & 100 sx 15.6 PPG Class H w/ .4% Halad
full returns throughout stage

Pump 95 SXS @ 3150'-2475'-TAG
Pump 25 SXS @ 6283'-6123'
Pump 25 SXS @ 6875'-6714'-TAG
DV Tool @ 6,794'

TOC = 7,330' by CBL

1st stage (Below DV tool):

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(38 total holes)

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BTD: 10,63
TD: 10,700'
DAS 11/14/17.