

Submit 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. 30-015-21151
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 CROW FLATS 16 STATE
8. Well Number 001
9. OGRID Number 162683
10. Pool name or Wildcat ATOKA GAS WILDCAT

SUNDRY NOTICES AND REPORTS ON WELL (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: G ; 1965 feet from the NORTH line and 1977 feet from the EAST line
Section 16 Township 16S Range 28E NMPM EDDY County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,568' - GR

RECEIVED
JUN 28 2013
MILAGRO ARTESIA

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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: ☐

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 @ 9,000'; PUMP 25 SXS. CMT. @ 9,000'-8,810'; CIRC. WELL W/ PXA MUD
- 2) PUMP 25 SXS. CMT. @ 6,832'-6,672' (T/WC); WOC X TAG CMT. PLUG.
- 3) PERF. X ATTEMPT TO SQZ. 60 SXS. CMT. @ 5,387'-5,237' (T/ABO).
- 4) PERF. X ATTEMPT TO SQZ. 50 SXS. CMT. @ 3,355'-3,225' (T/GLOR.).
- 5) CUT X PULL 5-1/2" CSG. @ +/-1,900'.
- 6) PUMP 45 SXS. CMT. @ 1960'-1,840' (5-1/2" CSG. STUB X 8-5/8" CSG. SHOE); WOC X TAG CMT. PLUG.
- 7) PUMP 35 SXS. CMT. @ 393'-293' (T/ANHY. X 13-3/8" CSG. SHOE); WOC X TAG CMT. PLUG.
- 8) MIX X CIRC. TO SURF. 25 SXS. CMT. @ 63'-3'.
- 9) 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.emnrd.state.nm.us/oed.

CONDITIONS OF APPROVAL ATTACHED

Spud Date:

Rig Release Date:

Approval Granted providing work is Completed by

July 2 - 2014

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: 06/25/13

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. R. Dade

TITLE

Dist # Supervisor

DATE

July 2, 2013

Conditions of Approval (if any):

Cimarex Energy Company

Updated: 6/18/2013 JJP

Lease : Crow Flats 16 State #1	Perforations			Casing			
Field : Crow Flats	Reservoirs	From	To	Size	Weight	Grade	Depth
KB : 12.00	Atoka B	9,104	9,113	13 3/8	48	H40	343
Legals : Sec 16-16S-28E				8 5/8	40	K55	1,901
1,980' FNL 1,980' FEL				5 1/2	17	P110	9,200
Eddy Co., New Mexico							
Directions to Location :				Tubing			
Orig Operator: AMOCO Prod Co				Size	Weight	Grade	Depth
				2 3/8	4.7	L80	9,056

D.C. 1974

Drawing Not To Scale

Tree Information

Valve Type	CIW-ODES
Valve Size	2 1/16
Swab Valve	2 1/16
PSI Rated	5,000
Top Connection	
B Section Size	7-1/16" 5m

5-1/2" csg landed with 164k slip weight in
10.2# WBM

5-1/2" TOC @ 5,470' by CBL

Atoka "C" Perfs: 9,046'- 9,0523' - 6 JSPF

Atoka "B" Perfs: 9,104'- 9,113' - 4 JSPF

PBD = CIBP @ 9143'
HES EZDrill Retainer @ 9,145'
Squeeze w/ 150 sx Class H

Orig 7 7/8" hole TD @ 9,575'

13-3/8" 48# H40 set @ 343'

8-5/8" 40# K55 set @ 1,901'

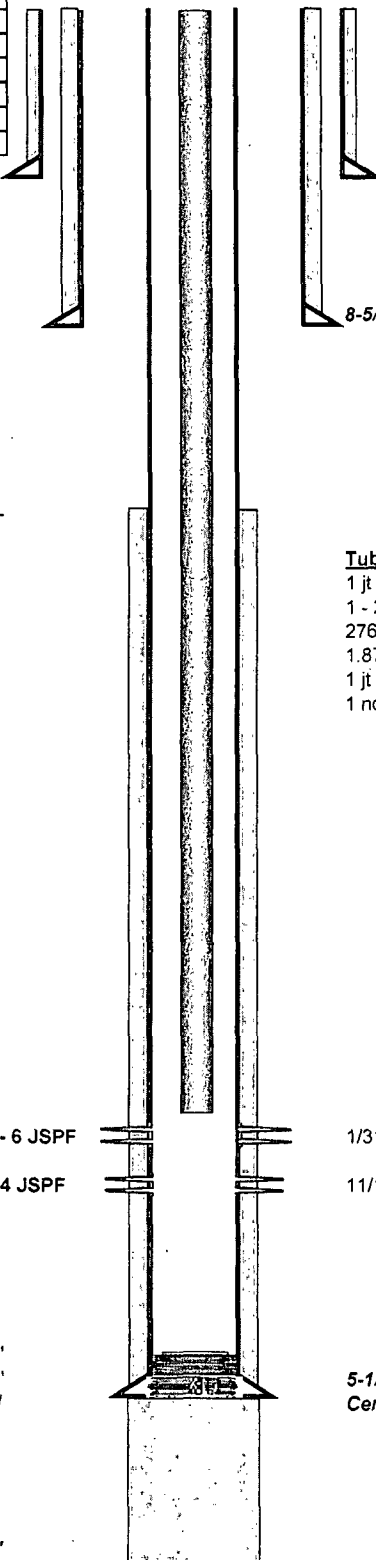
Tubing Detail

1 jt 2 3/8" 4.7# L80 8Rd EUE tbg
1 - 2 3/8" 4.7# Subs (10')
276 jts 2 3/8" 4.7# L80 8Rd EUE tbg
1.875" T2 on/off tool @ 9043'
1 jt 2 3/8" 4.7# L80 8Rd EUE tbg
1 noched collar

1/31/2008

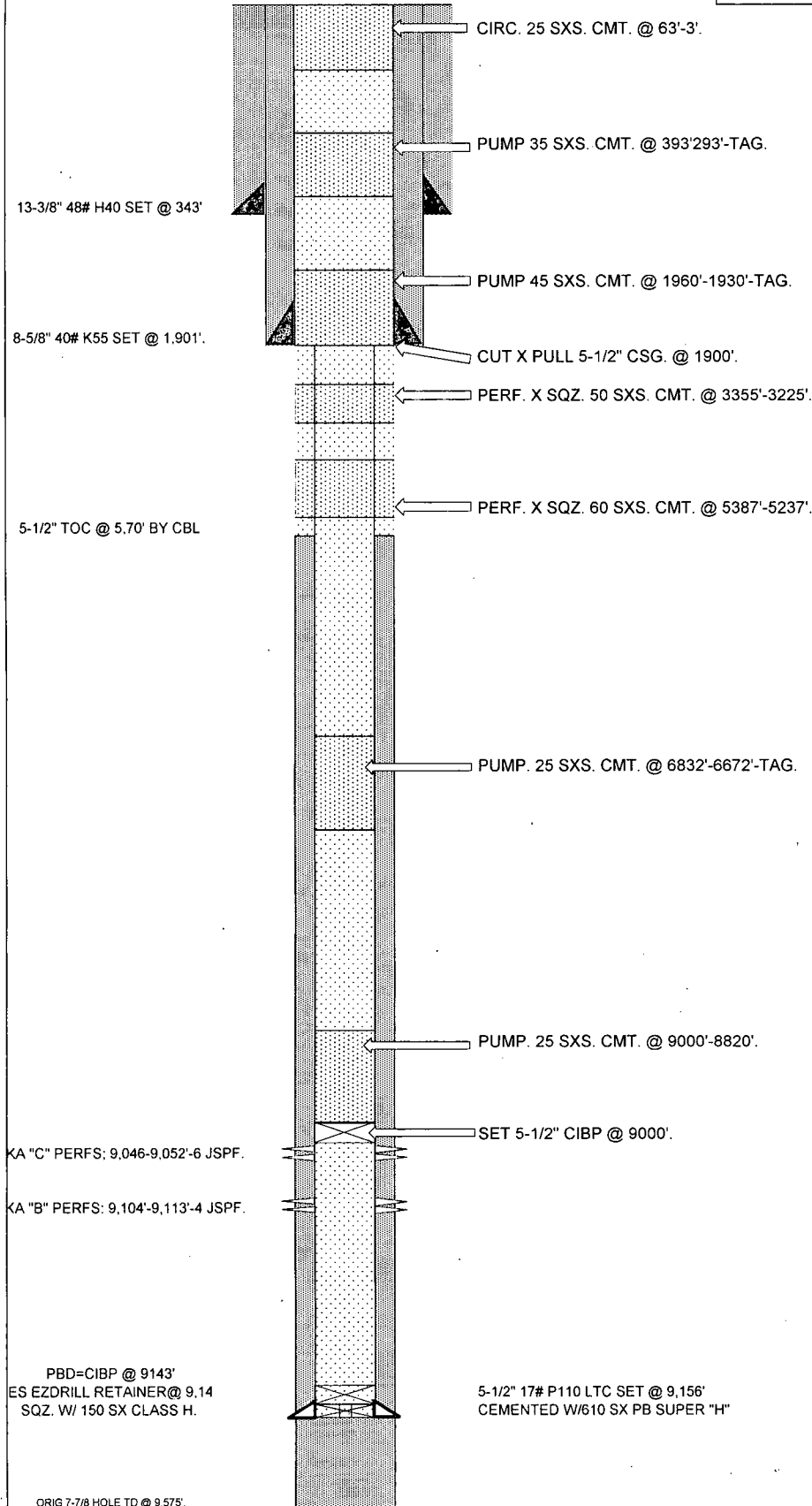
11/16/2006

5-1/2" 17# P110 LTC set @ 9,156'
Cemented w/610 sx PB Super "H"



Cimarex Energy Co. of Colorado

Crow Flats 16 State #1
1,980' FNL 1,980' FEL
Sec. 16-16S-28E
Eddy Co., N.M.
30-015-21151



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 Co. of Colorado

Well Name & Number: Crow Flats 16 State 1

API #: 30-015-21151

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: July 2, 2013

APPROVED BY: RDade

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).