

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.*

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Cimarex Energy Co. of Colorado

3a. Address
PO Box 140907; Irving, TX 75014-0907

3b. Phone No. (include area code)
972-401-3111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
34-19S-34E
1980' FNL & 1980' FEL **Unit G**

5. Lease Serial No.
NM-052

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Mallon 34 Federal No. 9

9. API Well No.
30-025-32784

10. Field and Pool, or Exploratory Area
Lea; Delaware, NE

11. County or Parish, State
Lea County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Recomplete to Bone
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Spring

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The Mallon 34 Federal No. 9 was drilled to a TD of 10405'. It is currently TA with Delaware perms from 5816'-6580', a CIBP at 6900' w/ 35' cement, and more Delaware perms from 7466'-7476'. In April 2002, another CIBP was set at 5780' w/ 35' cement to TA the well.

Cimarex proposes to re-enter, knock out both bridge plugs, squeeze all perms currently in hole, and recomplete to the Bone Spring. All squeezed perms will be pressure tested to 1000 psi for 30 minutes prior to drilling below them.

Perf Lower Bone Spring from 10256'-10278' 3 jspf, acidize.

Perf Bone Spring Dolomite from 10160'-10168' 3 jspf, acidize.

Perf Bone Spring Sand from 10014'-10054' 3 jspf, acidize.

Perf Bone Spring Dolomite from 9752'-9760' 3 jspf, acidize.

Fracture treat if necessary and install rod pump assembly.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Zeno Farris

Signature

Zeno Farris

Title

Manager Operations Administration

Date

December 13, 2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

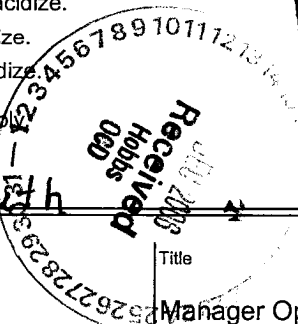
Chris Williams

12/22/06

Conditions of Approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



Title

Office

DISTRICT SUPERVISOR/GENERAL MANAGER

DISTRICT SUPERVISOR/GENERAL MANAGER

DISTRICT SUPERVISOR/GENERAL MANAGER

DISTRICT SUPERVISOR/GENERAL MANAGER

DISTRICT SUPERVISOR/GENERAL MANAGER

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-32784	Pool Code 5046L	Pool Name Quail Ridge; Bone Spring, South
Property Code 29028	Property Name MALLON 34 FEDERAL	Well Number 9
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3698'

Surface Location

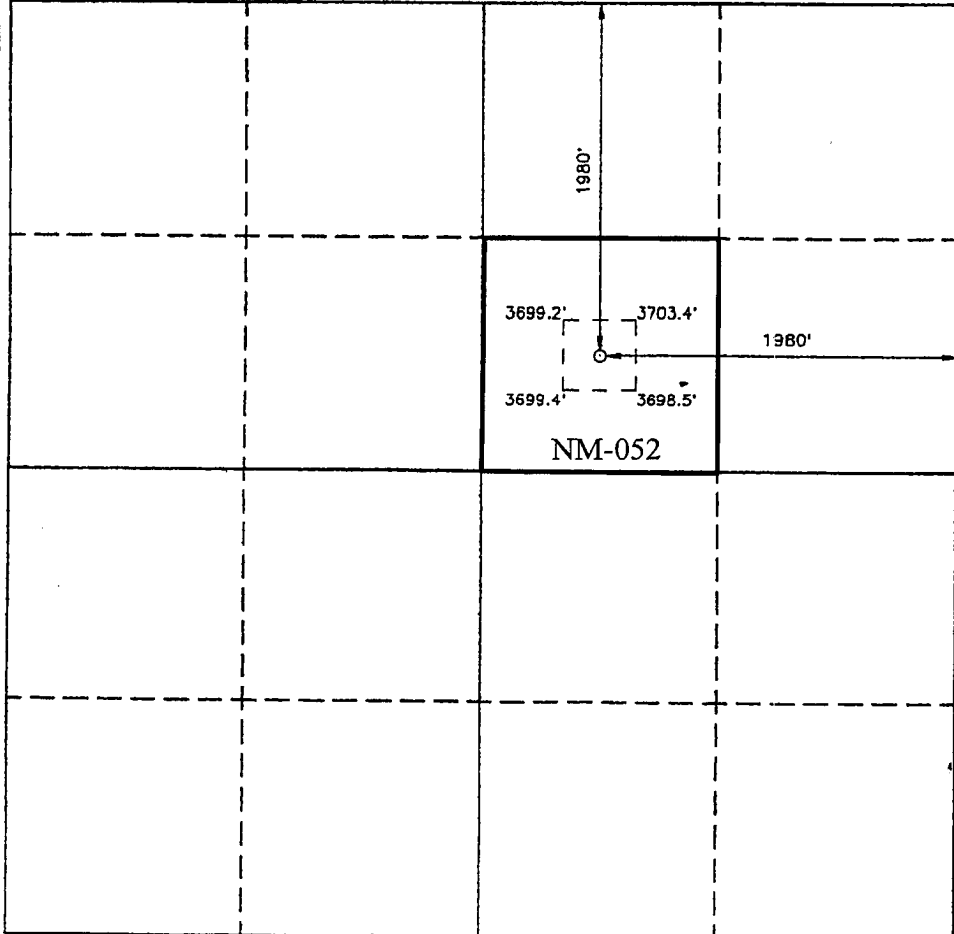
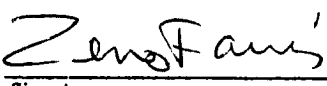
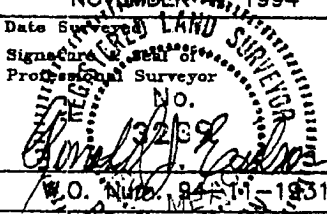
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	34	19S	34E		1980	NORTH	1980	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature Zeno Farris Printed Name Mgr Ops Admin Title 12-13-06 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. NOVEMBER 14, 1994 Date Surveyed  Signature and Seal of Professional Surveyor No. 3239 W.O. No. 84-11-1831 Certified by RONALD J. EDSON, 676 3239

**RECOMMENDED RECOMPLETION PROCEDURE
MALLON "34" FEDERAL #9
LEA COUNTY, NEW MEXICO**

WELL DATA

SPUD DATE: 11-Apr-1995
PERM. ZERO PT.: KB=3,707', DF=3,706', GL=3,698'
TOTAL DEPTH: 10,405'
SURFACE CSG: 9-5/8" (12-1/4" hole), 36#, J-55 @ 1502'
INTER CSG: None
PROD CSG: 5-1/2" (8-3/4" hole), 17#, N-80, LT&C @ 10,395'
DV Tool @ 7600'
Current PBD: CIBP @ 6900'
Existing Perfs: 5816 - 26', 5874 - 94', 6560 - 80', 7466 - 76'
Prod Packer: None
Tubing: New 2-7/8" 6.5# L-80 EUE

OBJECTIVE: Recomplete to Bone Spring.

***** SAFETY IS TOP PRIORITY *****

PROCEDURE:

1. MIRU well service rig. Check well for pressure, kill with produced water if necessary. ND tree, NU BOP and test.
2. PU 2-7/8" Tubing, 4-3/4" MTB & Scraper. TIH to CIBP @ 6900'. Knock out CIBP and push below perfs 7466-76'. Circ hole clean, POH & LD MTB & Scraper.
3. PU cement retainer and TIH with 2-7/8" tubing to 7425'±. Pump through retainer and set @ 7425'±. Establish injection rate and squeeze perfs **7466-7476'** as per recommendation. Once squeeze is established, pull out of retainer and reverse circulate hole clean. Leave 10' cement on top of retainer. If up hole perfs prevent circulating tubing clean, use dump and run technique. POH and LD setting tool.
4. PU cement retainer and TIH with 2-7/8" tubing to 6400'±. Pump through retainer and set @ 6400'±. Establish injection rate and squeeze perfs **6426-36 & 6560-80'** as per recommendation. Once squeeze is established, pull out of retainer and reverse circulate hole clean. Leave 10' cement on to p of retainer. If up hole perfs prevent circulating tubing clean, use dump and run technique. POH and LD setting tool.
5. PU cement retainer and TIH with 2-7/8" tubing to 5775'±. Pump through retainer and set @ 5775'±. Establish injection rate and squeeze perfs **5816-26 & 5874-94'** as per recommendation. Once squeeze is established, pull out of retainer and reverse circulate hole clean. Leave 10' cement on to p of retainer. POH and LD setting tool. WOC
6. PU 10 - 3-1/2" DCs and 4-3/4" MTB and TIH with 2-7/8" tubing. Tag cement on top of retainer. RU reverse drilling equipment and drill out retainer and cement. Drill out all three retainers and cement. **Test each set of squeezed perfs to 1000 psi for 30 minutes prior to drilling below.**
7. TIH with bit and DCs to PBD. Insure sufficient rat hole below bottom proposed perforation @ 10,278'. Drill out to FC @ approximately 10,350' if necessary. Circulate hole clean with 7% KCL FW. POH and LD DCs and MTB.

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8. RU Wireline Service Company and pull GR-CCL log from PBD to 7500'. Correlate to Schlumberger Integrated Porosity and Lithology log dated 23-May 1995. Perforate lower Bone Spring Sand as follows:
 - **10,256 – 10,278 (22' - 3 JSPF 120° phase)**RD Wireline.
9. TIH packer and 2-7/8" tubing with EOT at bottom perf @ 10,278'. Spot 250 gals 7-1/2% NEFe acid across perfs 10,256 – 10,278'. PU with packer @ 10,170'± and reverse 10 bbls into tubing. Set packer and break perforations down with spot acid followed immediately with 1000 gals 7-1/2% NEFe acid with 100 RCN balls. Displace with 7% KCl FW.
10. Swab back load and swab test zone for productivity.
11. Release packer and POH. PU RBP with ball catcher and packer on 2-7/8" tubing and TIH to 10,220±'. Set RBP. PU, set packer and test RBP to 2000 psi. POH with packer and tubing.
12. RU Wireline Service Company. Perforate Bone Spring Dolomite as follows:
 - **10,160 – 10,168 (8' - 3 JSPF 120° phase)**RD Wireline.
13. TIH packer and 2-7/8" tubing with EOT at bottom perf @ 10,168'. Spot 250 gals 15% NEFe acid across perfs 10,160 – 10,168'. PU with packer @ 10,100'± and reverse 10 bbls into tubing. Set packer and break perforations down with spot acid followed immediately with 500 gals 15% NEFe acid with 36 RCN balls. Displace with 7% KCl FW.
14. Swab back load and swab test zone for productivity.
15. Release packer and TIH. Catch RBP @ 10,220±', PU and set RBP @ 10,120'±. PU, set packer and test RBP to 2000 psi. POH with packer and tubing.
16. RU Wireline Service Company. Perforate Bone Spring Sand as follows:
 - **10,014 – 10,054 (40' - 3 JSPF 120° phase)**RD Wireline.
17. TIH packer and 2-7/8" tubing with EOT at bottom perf @ 10,054'. Spot 250 gals 7-1/2% NEFe acid across perfs 10,014 – 10,054'. PU with packer @ 9950'± and reverse 10 bbls into tubing. Set packer and break perforations down with spot acid followed immediately with 1500 gals 7-1/2% NEFe acid with 180 RCN balls. Displace with 7% KCl FW.
18. Swab back load and swab test zone for productivity.
19. Release packer and TIH. Catch RBP @ 10,120±', PU and set RBP @ 9950'±. PU, set packer and test RBP to 2000 psi. POH with packer and tubing.
20. RU Wireline Service Company. Perforate Bone Spring Dolomite as follows:
 - **9752 – 9760' (8' - 3 JSPF 120° phase)**RD Wireline.

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21. TIH packer and 2-7/8" tubing with EOT at bottom perf @ 9760'. Spot 250 gals 15% NEFe acid across perfs 9752 – 9760'. PU with packer @ 9650'± and reverse 10 bbls into tubing. Set packer and break perforations down with spot acid followed immediately with 500 gals 15% NEFe acid with 36 RCN balls. Displace with 7% KCl FW.
22. Swab back load and swab test zone for productivity.
23. Release packer, TIH and retrieve RBP @ 9950'. POH & LD RBP.
24. If required, Frac stimulation will be designed. 3-1/2" frac tubing will be run from surface to 7600' (below squeezed perfs 5816 – 7476'.
25. After frac, flow back load until well dies, release frac packer and POH, LD frac string and packer.
26. TIH with packer to 9650'. Set packer and swab. Report swab results to Midland Office.
27. If swab results warrant, run production assembly, rods and pump. Install pumping unit and associated surface equipment.
28. Start well pumping to battery and release to Cimarex production foreman.