

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88201
District III
1000 Rio Brazos Rd., Aztec, NM 87412
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Form C-105
Revised June 10, 2003

WELL API NO.
30-015-29871

5. Indicate Type of Lease
STATE ☒ FEE ☐

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____

b. Type of Completion:
NEW ☐ WORK ☐ DEEPEN ☒ PLUG ☐ DIFF.
WELL OVER BACK RESVR. ☐ OTHER _____

2. Name of Operator

Cimarex Energy Co.

3. Address of Operator

PO Box 140907; Irving, TX 75014-0907

7. Lease Name or Unit Agreement Name

McGruder 13

8. Well No.

001 ST

9. Pool name or Wildcat

Undesignated McKittrick Hills; Atoka, East

4. Well Location

SHL Unit Letter N : 281 Feet From The South Line and 1924 Feet From The West Line
BHL Unit Letter N : 1280 Feet From The South Line and 1777 Feet From The West Line
Section 13 Township 22S Range 25E NMPM County Eddy

10. Date Spudded 11-25-97 11. Date T.D. Reached 05-13-05 12. Date Compl. (Ready to Prod.) 01-11-07 13. Elevations (DF& RKB, RT, GR, etc.) 3404' GR 14. Elev. Casinghead

15. Total Depth MD 11455' TVD 11365' 16. Plug Back T.D. MD 10600' TVD 10521' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools Rotary Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name Undesignated McKittrick Hills; Atoka, East 10250'-10260' MD, 10177'-10187' TVD 20. Was Directional Survey Made On Initial Completion

21. Type Electric and Other Logs Run On Initial Completion

22. Was Well Cored No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20" K-55	94#	355'	26"	700 sx Class C, circ to surf	
13-3/8" J-55	54.5#	1216'	17-1/2"	925 sx Class C, circ to surf	
9-5/8" K-55/J-55	40#	5000'	12-1/4"	1727 sx POZ, Class C, circ to surf	
5-1/2" P-110/HCP-110	17#	11455'	7-7/8"	1502 sx TXI, POZ H, TOC 4326'	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	10212'	10206'

26. Perforation record (interval, size, and number)

Morrow 10836'-11151' (previous completion) CIBP @ 10822' w/ 35' cmt
Morrow 10782'-10786' 6 jspf 24 holes
Morrow 10654'-10662' 6 jspf 48 holes
Morrow 10728'-10738' 6 jspf 60 holes
Atoka 10250'-10260' 6 jspf 60 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10782'-10786'	400 gal 7-1/2% Gas Well Acid w/ KCl wtr
10654'-10662'	1000 gal 7-1/2% Gas Well Acid w/ KCl wtr
10728'-10738'	1000 gal 7-1/2% Gas Well Acid w/ KCl wtr

28. PRODUCTION

Date First Production 01-11-07		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Producing		
Date of Test 02-09-07	Hours Tested 24	Choke Size wo	Prod'n For Test Period	Oil - Bbl 8	Gas - MCF 1,019	Water - Bbl. 0	Gas - Oil Ratio 127.375
Flow Tubing Press.	Casing Pressure	Calculated 24 Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
600	50						

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

Test Witnessed By

30. List Attachments
C-102

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature Natalie Krueger Printed Name Natalie Krueger Title Reg Analyst 1 Date 5/17/2007
E-mail Address nkrueger@cimarex.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn 9,631	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 10,020	T. Penn. "D"	
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	B. Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware 2,094	T. Todilto	T.
T. Drinkard	T. Bone Spring 4,573	T. Entrada	T.
T. Abo	T. Morrow 10,417	T. Wingate	T.
T. Wolfcamp 8,235	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C) 9,063	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

DISTRICT I
1825 N. FRENCH DR., ROBBES, NM 88240

DISTRICT II
1901 W. GRAND AVENUE, ARTESIA, NM 88210

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

DISTRICT IV
1820 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-29871	Pool Code 96472	Pool Name Undesignated McKittrick Hills; Atoka, East
Property Code	Property Name McGRUDER 13	Well Number 1 ST
OGRID No. 215099	Operator Name CIMAREX ENERGY COMPANY	Elevation 3404'

Surface Location

UI or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	13	22-S	25-E		281	SOUTH	1924	WEST	EDDY

Bottom Hole Location if Different From Surface

UI or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	13	22-S	25-E		1280	SOUTH	1777	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
331.08			

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

McGruder 13 ST #1 1777' 1280' 1924' 281' SEE DETAIL SHL BHL Penetration Point Atoka 1041' FSL & 1839' FWL DETAIL 3395.4' 3402.6' 600' 800' 3414.2' 3402.4' GEODETIC COORDINATES NAD 27 NME Y=503794.1 N X=494502.3 E LAT.=32°23'06.16" N LONG.=104°21'04.11" W	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <u>Zeno Farris</u> Signature Zeno Farris Printed Name Mgr Operations Admin Title 05-17-07 Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me under my supervision and that the same is true and correct to the best of my belief. GARY EIDSON FEBRUARY 26 2005 Date Surveyed Signature & Seal of Professional Surveyor 05 11 0182 Certificate No GARY EIDSON 12641
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