

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Co. of Colorado 600 N. Marienfeld., Ste. 600 Midland, TX 79701		² OGRID Number 162683
		³ Reason for Filing Code/ Effective Date NW / 12-15-10
⁴ API Number 30-015-38140	⁵ Pool Name Empire; Glorieta-Yeso	⁶ Pool Code 96210
⁷ Property Code 38307	⁸ Property Name Thorntail 31 Federal	⁹ Well Number 001

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	31	16S	29E		525	South	330	East	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 01-14-11	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
21778	Sunoco Inc R&M PO Box 2039 Tulsa, OK		O	
180055	Duke Energy Field Services 6120 S. Yale Ave. Ste 1100 Tulsa, OK		G	

RECEIVED
FEB 07 2011
NMOCD ARTESIA

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description Same as above
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V. Well Completion Data

²⁵ Spud Date 09-25-10	²⁶ Ready Date 12-11-10	²⁷ TD 5300	²⁸ PBSD 5162	²⁹ Perforations 3885-4074	³⁰ DHC, MC
³¹ Hole Size 16	³² Casing & Tubing Size 11 3/4	³³ Depth Set 305	³⁴ Sacks Cement 850		
11	8 5/8	922	825		
7 7/8	5 1/2	5300	770		
	2 3/4	3833			

VI. Well Test Data

³⁵ Date New Oil 12-15-10	³⁶ Gas Delivery Date 01-14-11	³⁷ Test Date 01-14-11	³⁸ Test Length 24 hrs	³⁹ Tbg. Pressure 350	⁴⁰ Csg. Pressure 50
⁴¹ Choke Size Open	⁴² Oil 15	⁴³ Water 119	⁴⁴ Gas 32	⁴⁵ AOF	⁴⁶ Test Method Producing

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Natalie Krueger*

Printed name: Natalie Krueger

Title: Regulatory

E-mail Address: nkrueger@cimarex.com

Date: February 1, 2011

Phone: 432-620-1936

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

AR Dade
DIST II Supervisor
02/14/2011

Kz

118

Operator: Cumarex Energy

Well Name: Thornhill 31 Federal #9

OGRID: 162683

API: 30-0 15 - 38140

Lease Type (F)SP

Date C104 rec'd 2/7/2011

Date of file review 2/15/2011
3/14/11 00/1151

Inactive Well List 9 out of 1147

Additional Bonding: NO NO

APD Approval Date 9/3/2010

Pit Permit Approval 2/1/2011 Permit # 21142 Pit Closure: / /

* Spud notice 9/25/10

Surface casing 11.75 amended required

Intermediate 8.625 amended required

Production csg 5.5 amended required

TD Reached: 10/3/2010

Rig Released: / /

Deviation Survey: Rec @ 5218 TD @ 5300

Directional Survey / / MD TVD

"As Drilled" or Amended C-102 ✓

* Completion Sundry: 2/15/11

Completion Report: 2/15/2011

Logs DSN DL 2-7-2011 REC

COMPLIANCE: NSL NSP
DHC ART

OTHER REQUIREMENTS:

Inactive Well List //

Additional Bonding

Date to RD for approval 3, 14, 11

Reviewed by: NS

DENIED / /