

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

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

5. Lease Serial No.  
NMNM15007

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. GLENWOOD 28 FEDERAL COM 1
2. Name of Operator CIMAREX ENERGY COMPANY		9. API Well No. 30-015-35735
3a. Address 202 S. CHEYENNE AVE, SUITE 1000 TULSA, OK 74103		10. Field and Pool, or Exploratory HENSHAW
3b. Phone No. (include area code) Ph: 918-560-7060		11. County or Parish, and State EDDY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 28 T16N R29E NENE 760FNL 760FEL		

**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	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including 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.)

Cimarex respectfully request approval to drill out the CIBP & open the existing Morrow perms as indicated on the attached procedure. The well was drilled to the Morrow but was initially completed in the Atoka with a CIBP over the Morrow perms.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

MAY 03 2016

Cimarex will submit a request to the BLM and NMOCD for approval of the DHC.

RECEIVED

Attachments: C102, Procedure, wellbore schematic ? before & after completion

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #333426 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 03/28/2016 ( )</b>	
Name (Printed/Typed) ARICKA EASTERLING	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 03/11/2016

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <i>Kenneth L. Bennett</i>	Title <i>Permitting Engineer</i>	Date <i>4/25/2016</i>
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.		Office <i>Carlsbad Field Office</i>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

Accepted for record - NMOCD

*CS*

**Glenwood 28 Federal Com 1**  
**30-015-35735**  
**Cimarex Energy Co. of Colorado**  
**Conditions of Approval**

**Notify BLM at 575-361-2822 (Eddy County) a minimum of 24 hours prior to commencing work. If there is no response, leave a voice mail with the API#, workover purpose and a call back phone number.**

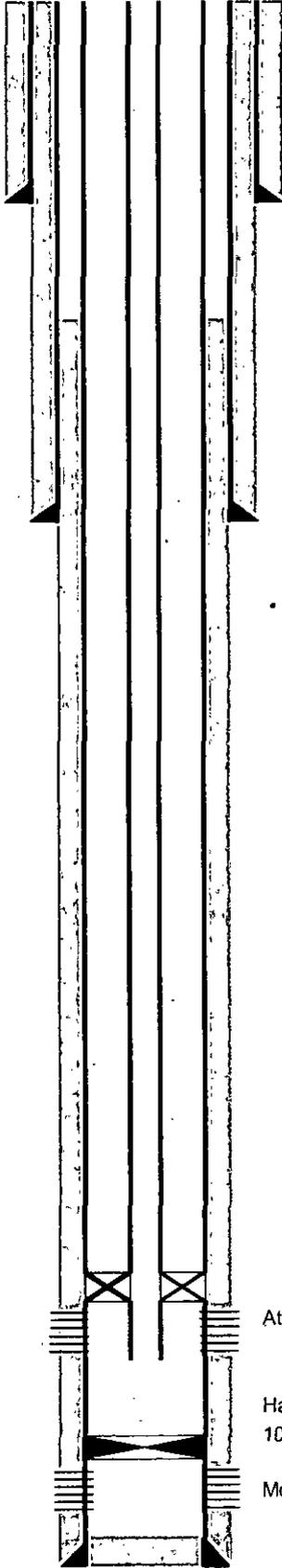
**Operators to complete production test of the commingled zones a minimum 90 days from date of approval.**

1. A minimum of a **3000 (3M)** BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (**3M Diagrams of Choke Manifold Equipment**). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
2. Surface disturbance beyond the originally approved pad must have prior approval.
3. Closed loop system required.
4. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
5. Operator to have H2S monitoring equipment on location.
6. **Subsequent sundry (daily reports) and completion report with well test, wellbore activity and updated wellbore schematic required.**

**KGR 04252016**



Cimarex Energy Co. of Colorado  
Glenwood 28 Federal Com #1  
API 30-015-35735  
Sec 28 T16S R29E 760' FNL & 760' FEL  
D. Pearson 2/23/2016



13-3/8" 48# H-40 @ 355' 530 sx cmt  
circl'd cmt to surface

TOC @ 980' (CBL)

8 5/8" 24# J-55 @ 2,660' w/831 sx cmt  
circl'd cmt to surface

Packer 9,947'

Atoka 10,067'-10,082' (91 holes)

Halliburton 10K FAS Drill CBP w/ Cast Iron Slips @ 10,222'  
10' sand on top of CBP

Morrow 10,354'-10,382' (110 holes)

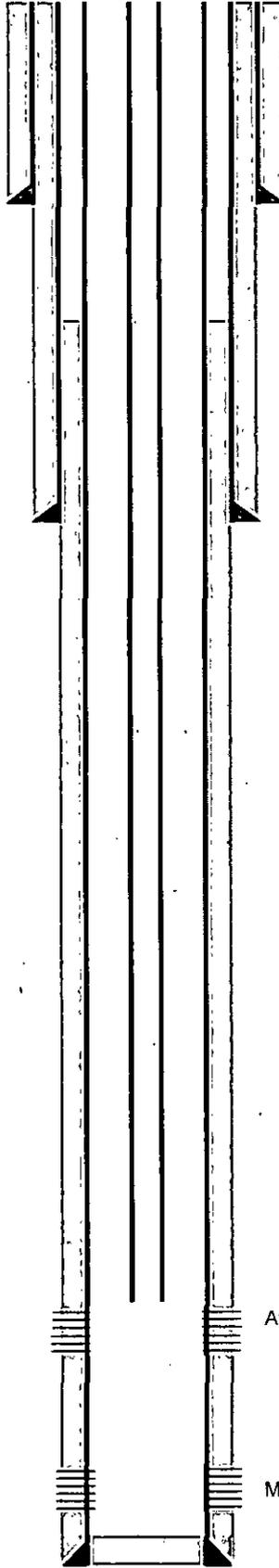
PBTD 10,212'  
TD 10,621'

5-1/2" 17# P-110 @ 10,621 w/ 1,425 sx cmt



Proposed

Cimarex Energy Co. of Colorado  
Glenwood 28 Federal Com #1  
API 30-015-35735  
Sec 28 T16S R29E 760' FNL & 760' FEL  
D. Pearson 2/23/2016



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PBD 10,621'  
TD 10,621'

5-1/2" 17# P-110 @ 10,621 w/ 1,425 sx cmt

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II  
1501 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 and Natural Resources Department

Form C-102  
Revised October 12, 2006

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35735	Pool Code 97692	Pool Name Wildcat Atoka
Property Code	Property Name GLENWOOD "28" FEDERAL	Well Number 1
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3645'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	28	16 S	29 E		760	NORTH	760	EAST	EDDY

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 320	Joint or Infill	Consolidation Code P	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

NM-99032	NM-15007	Glenwood 28 Fed Com 1	<p>Lot - N32°53'52.21" Lon - W104°04'25.46" NMSPCE - N 690464.422 E 621022.041 (NAD-83)</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Aricka Easterling</i> 3/10/16 Signature Date</p> <p>Aricka Easterling Printed Name</p>
				<p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>JUNE 15, 2007 Date</p> <p><i>Gary L. Jones</i> Signature of Professional Surveyor</p> <p>18234</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>

DISTRICT I  
1025 N. French Dr., Hobbs, NM 88240

DISTRICT II  
1501 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 and Natural Resources Department

Form C-102  
Revised October 12, 2005

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-35735	Pool Code 96826	Pool Name Wildcat Morrow
Property Code 36648	Property Name GLENWOOD "28" FEDERAL	Well Number 1
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3645'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	28	16 S	29 E		760	NORTH	760	EAST	EDDY

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	Joint or Infill	Consolidation Code	Order No.
320		P	

**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**

NM-99032	NM-15007	Glenwood 28 Fed Com 1		<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Aricka Easterling</i> 3/10/16 Signature Date</p> <p>Aricka Easterling Printed Name</p>
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## Glenwood 28 Federal Com 1 Procedure to Comingle Morrow and Atoka Zones

Well Data:

KB 19' above GL  
 TD 10,621'  
 PBD 10,212'  
 Casing 13-3/8" 48#, H-40, ST&C @ 355', 530 sxs  
 8-5/8" 24#, J-55, LT&C @ 2,660', 831 sxs  
 5-1/2" 17#, P-110, LT&C @ 10,621', 1425 sxs  
 Tubing 311 Jts 2-3/8" 4.7# L-80 8rd EUE. Packer @ 9,947'. EOT @ 10,083'  
 Perfs Atoka 10,067' – 10,082' (Morrow under CBP 10,354' – 10,382')

Procedure:

1. Received approval from BLM and NMOCDC for DHC.
2. Have RU and operational safety meeting on location; discuss all risk and potential dangers. Check surface pressures and blow down or kill well as needed using 4% KCL water. Use as little 4% KCL water as possible to safely kill the well.
3. MIRU WSU.
4. ND wellhead and flowline. NU BOP and spool.
5. Remove tubing hanger and release AS-1X 10K packer. RU tubing scanners. TOH while scanning w/ the following tubing detail:

Quantity	Description	Length	Setting Depth
1	2-3/8" 4.7# L-80 8rd EUE Tubing	32.68	51.68
3	2-3/8" 4.7# L-80 8rd EUE Tubing Subs	16.30	67.98
310	2-3/8" 4.7# L-80 8rd EUE Tubing	9832.06	9900.04
1	2-3/8" Marker Sub	6.07	9906.11
1	2-3/8" 4.7# L-80 8rd EUE Tubing	32.63	9938.74
1	5-1/2" O/O Tool w/ 1.875" Baker F Profile	1.46	9940.20
1	5-1/2" X 2-3/8" AS-1X 15-20# 10K Packer	7.24	9947.44
1	2-3/8" 4.7# L-80 8rd EUE Tubing	32.62	9980.06
1	2-3/8" Landing Nipple w/ 1.875" XN Profile	1.41	9981.47
1	2-3/8" 4.7# L-80 8rd EUE Tubing	32.62	10014.09
1	2-3/8" Max Diff Bar Vent EUE 8rd	2.33	10016.42
1	2-3/8" Mechanical Tubing Release w/ 1.81" Latch	1.57	10017.99
1	2-3/8" 4.7# L-80 8rd EUE Tubing	32.62	10050.61
1	2-3/8" 4.7# L-80 8rd EUE Tubing Sub w/ No Go	4.50	10055.11
1	3-3/8" Mechanical Firing Head	0.51	10055.62
1	3-3/8" Gun Blank Section	11.38	10067.00
1	Loaded Section w/ 91 holes	15.00	10082.00
1	Bull Plug	0.75	10082.75

Observe all tubing and BHA for corrosion, scale, or wear and report results back to Midland. LD 10K packer, TCP gun BHA assembly, and all 2-3/8" tubing that scans lower than yellow-band grade. Send/email tubing scan report to Midland. RD tubing scanners.

6. MU and TIH w/ 4-3/4" tri-cone mill-tooth bit, floated bit sub, bit sub disconnect, 1.875" XN profile nipple, and 2-3/8" 4.7# L-80 8rd EUE tubing to CBP @ 10,222' (may be 10' sand on top of plug).
7. RU power swivel and circulating head. Drill out CBP @ 10,222' while pumping 4% KCL down tubing (0.5-1 BPM). Once through plug, continue TIH w/ additional tubing to run bit through bottom perms @ 10,382'.
8. TOH w/ tubing and set EOT @ +/- 10,200'. Drop disconnect ball and pump 4% KCL pressuring up tubing to disconnect bit sub and bit. RD power swivel.
9. Control well as necessary w/ 4% KCL. ND BOP and spool. NU wellhead and flowline.
10. Return to production. Swab well in as necessary.

SEE COA