

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO 1004-0135  
Expires July 31, 2010**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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No NMNM97874
2. Name of Operator ✓ CIMAREX ENERGY COMPANY OF CO		6. If Indian, Allottee or Tribe Name
Contact NATALIE E KRUEGER E-Mail nkrueger@cimarex.com		7. If Unit or CA/Agreement, Name and/or No
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1936 Fx: 432-620-1940	8. Well Name and No CONOCO 22 FEDERAL COM 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T16S R29E SENW 2303FNL 1427FWL		9. API Well No. 30-015-31457-00-S1
		10. Field and Pool, or Exploratory BEAR DRAW
		11. County or Parish, and State EDDY 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	
	<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 originally completed this well in the Abo in 03-07-08. Plugged Abo and unsuccessfully recompleted to Grayburg in 03-2011. Cimarex now proposes to clean out and recomplete in the Atoka as shown below and in the attached procedure.

**Procedure**

1. MIRU Completion rig, nipple up BOPE and Test
2. RIH tag PBTD, squeeze perfs at 2460 to 2470 with 200 sx C
3. Pick up 4 75 inch Mill tooth bit and 2 875 inch AOH drill pipe, TIH and tag PBTD at 2690. Drill 35ft of cement and CIBP
4. Drill Cement from 6845 to 6990, drill out CIBP set at 6990
- a. This is a reentry inside the pilot hole. There is a horizontal with top of window at 6977 and bottom of window at 6990.

RD 09/07/2011  
**Accepted for record**  
**NMOCD**

**SEE ATTACHED FOR**  
**CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct	
Electronic Submission #113478 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 07/25/2011 (11KMS2136SE)	
Name (Printed/Typed) NATALIE E KRUEGER	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 07/22/2011

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

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 08/09/2011
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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 Carlsbad

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

PA Abo (97197) as of 4-12-2011

**Additional data for EC transaction #113478 that would not fit on the form**

**32. Additional remarks, continued**

5. RIH to 7503, drill cement plugs and Circulate and Condition mud as needed Drill/ream & wash to 10,150? CCM
6. POOH, run 3.5 inch 9 2 p110 ultraflush with baker liner hanger set at 6800
7. Pump cement Job: Lead:500SKS EconoCem - H + 0.2 % -HR-601 2.44 11.9ppg 2.44 yield 50% Excess, Tail:155SKS Versacem - H + 0.5% Halad(R)-344 + 0.4% CFR-3 + 1 lbm/sk.salt + 0.1% HR-601 14.5ppg 1.22 yield 25% Excess, TOC - 6800ft
8. RIH dress top of hanger, POOH
9. RIH with polishing mill and polish the S sleeve POOH
10. RIH with the packer and set packer, test, release, POOH

Please see attached WBDs, procedure and C-102

DISTRICT I  
1328 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

OIL CONSERVATION DIVISION

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

Form C-102  
Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-31457	Pool Code 97692	Pool Name High Lonesome; Atoka
Property Code 36783	Property Name CONOCO "22" FEDERAL COM	Well Number 1
GRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3667'

Surface Location

UL or lot No. F	Section 22	Township 16 S	Range 29 E	Lot Idn	Feet from the 2303	North/South line NORTH	Feet from the 1427	East/West line WEST	County EDDY
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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.						

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-097874	E0-0134-0007	NM-097874
NM-012128		
3668.8'	3659.4'	
1427'		
3671.1'	3664.5'	
SURFACE LOCATION Lat - N32°54'29.09" Long - W104°03'59.78" NMSPE- N 694195.516 E 623197.327 (NAD-83)		
RECEIVED AUG 11 2011 NMOCD ARTESIA		
OPERATOR CERTIFICATION 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. Signature: Natalie Krueger Date: 7/22/2011 Printed Name: Natalie Krueger		
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. AUGUST 1, 2007 Date Surveyed: Gary L. Jones Signature: Gary L. Jones Professional Surveyor Certificate No. Gary L. Jones 7977. BASIN SURVEYS		



## DRILLING PROCEDURE

### Conoco 22 Fed #1 Atoka

853' FSL & 2007' FEL

Sec 22 - 16S - 29E

Prepared by: **Art Metcalfe**

**7/21/2011**

API # 30-015-31457

**Directions:** From junction of U.S. Hwy 82 and Co. Rd. 214 (Barnaval), go north 7.0 miles to bend, thence continue northeast 0.7 miles to lease road, on lease road go east 1.0 miles then south 1.0 miles to old lease road, on old lease road go southeast 0.3 miles to location.

GL	3667'	KB	12'
TD	10640' MD	POSTD	2700' MD

### Casing

Surface:	8 5/8" 24# K55	0 - 2690'
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Production:	5 1/2" 17# K55 LTC	0 - 7503'
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Open Hole:		7503' - 10640'
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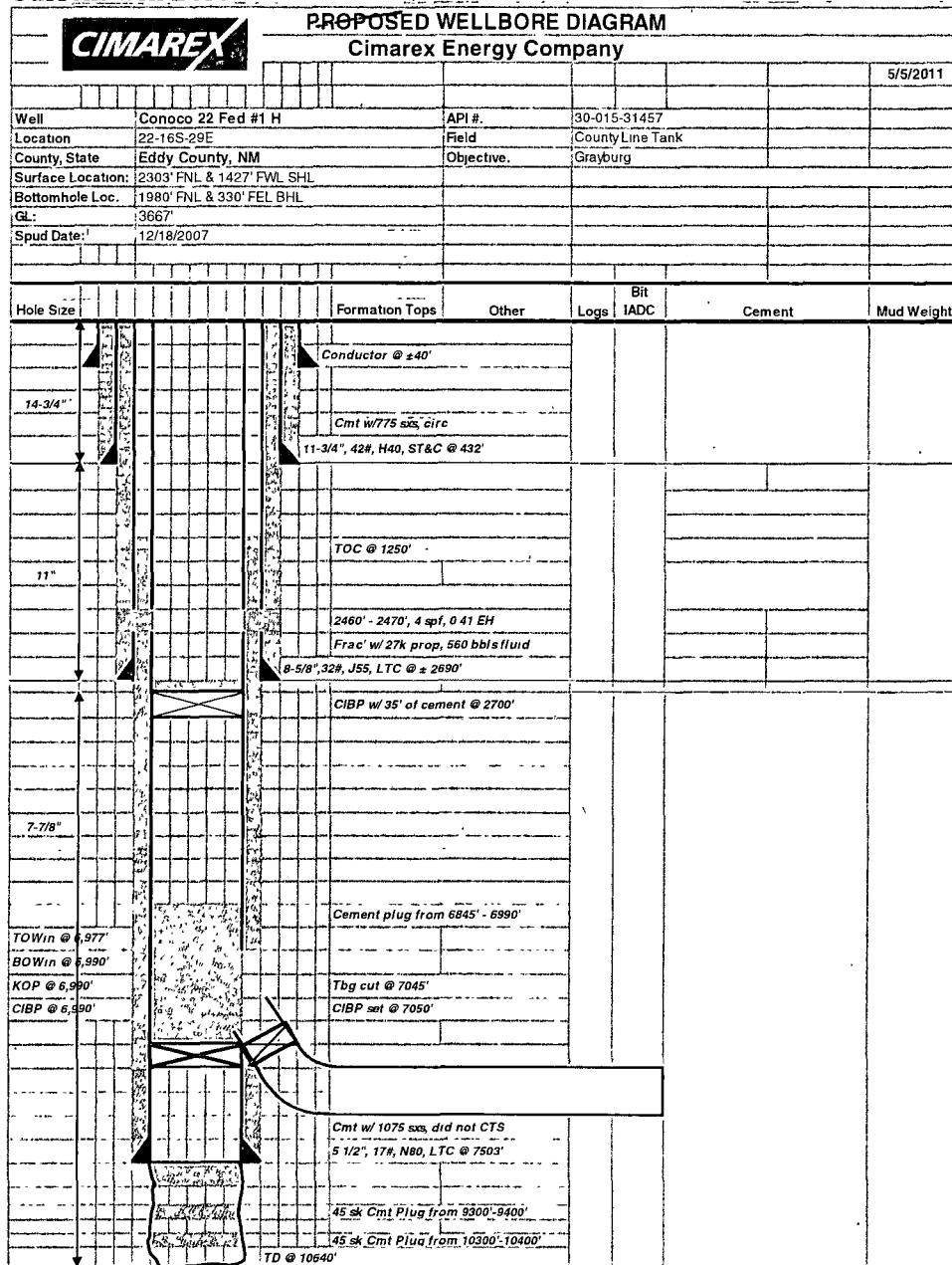
5.5" 17# P110	3.5" 9.2# p110 Ultra-flush
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I.D., in.	4.892	2.992
Drift, in.	4.767	2.867
Burst, psi	5320	13970
Collapse, psi	4910	13530
Tension, lbs	252,000	284900
Capacity - gals/ft.	0.97608	0.36498
Capacity - bbls/ft	0.02324	0.00869

# Wellbore diagram/prog

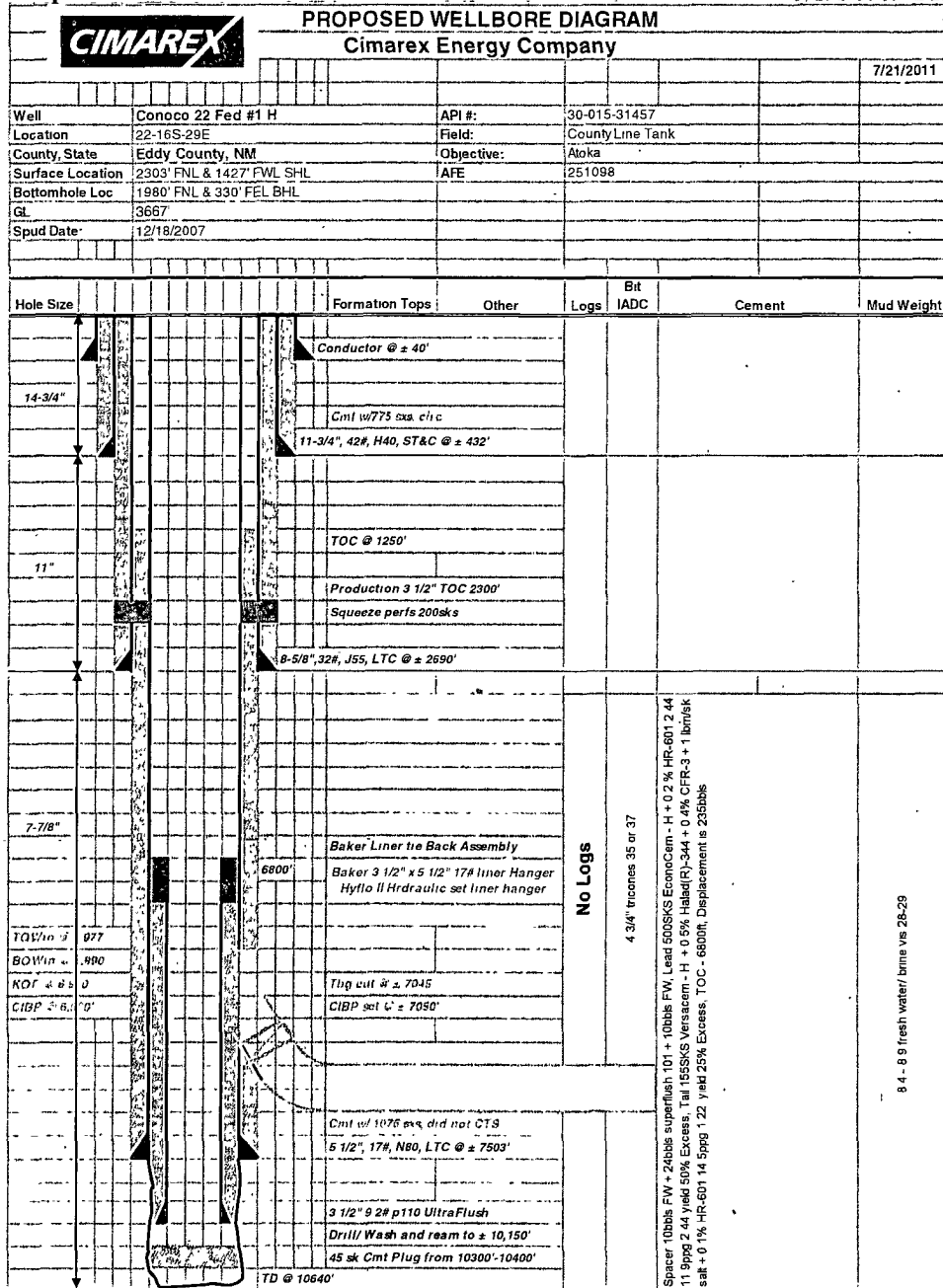
Current well Bore

*Current*



# Wellbore diagram/prog

## Proposed Well Bore



**Procedure**

1. MIRU Completion rig, nipple up BOPE and Test
2. RIH tag PBTD, squeeze perms at 2460' to 2470'
3. Pick up 4 3/4" Mill tooth bit and 2 7/8" AOH drill pipe, TIH and tag PBTD at  $\pm 2690'$  Drill 35ft of cement and CIBP
4. Drill Cement from 6845' to 6990' ft drill out CIBP set at 6990'.
  - a. This is a reentry inside the pilot hole. There is a horizontal with top of window at 6977' and bottom of window at 6990'.
5. RIH to 7503', drill cement plugs and Circulate and Condition mud as needed Drill/ream & wash to 10,150'. CCM
6. POOH, run 3.5" 9.2 p110 ultraflush with baker liner hanger set at 6800'
7. Pump cement Job
8. RIH dress top of hanger, POOH
9. RIH with polishing mill and polish the "S" sleeve POOH
10. RIH with the packer and set packer, test. release, POOH

**Conoco 22 Fed Com 1**  
**30-015-31457**  
**Cimarex Energy Co. of Colorado**  
**August 9, 2011**  
**Conditions of Approval**

1. Surface disturbance beyond the originally approved pad must have prior approval.
2. Closed loop system required.
3. **3000 (3M)** psi workover BOP to be used with pulling unit. 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 (2M 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.
4. Operator to have H2S monitoring equipment on location as H2S has been reported from wells in the area.
5. Completion report and subsequent sundry with well test required.
6. **A Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the BLM. The effective date of the agreement shall be prior to any sales.**

**CRW 080911**