

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

AUG 21 2008

OCD-ARTESIA

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.

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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. NM-94076
2. Name of Operator Cimarex Energy Co. of Colorado		6. If Indian, Allottee or Tribe Name
3a Address PO Box 140907; Irving, TX 75014-0907		7. If Unit or CA/Agreement, Name and/or No. Pending
3b Phone No (include area code) 972-401-3111		8. Well Name and No. Pintail 23 Federal No. 3
4 Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL 2310 FNL & 1980 FWL 23-25S-26E BHL 330 FNL & 1980 FWL		9. API Well No. 30-015-36335
		10. Field and Pool, or Exploratory Area Sulphate; Delaware, SW
		11. County or Parish, 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 checked="" 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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" 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, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple 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 recomple 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 has changed casing plans for the Pintail 23 Fed No. 3 as shown on the following pages.

Liner seal to be tested per Onshore Order 2, IV, B, 1, b
Please call BLM for witness of seal tests

ACCEPTED FOR RECORD

14 I hereby certify that the foregoing is true and correct Name (Printed/Typed) Natalie Krueger		AUG 21 2008 Title Regulatory Analyst Gerry Guye, Deputy Field Inspector NMOC District II ARTESIA	
Signature <i>Natalie Krueger</i>		Date August 15, 2008	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		APPROVED AUG 15 2008 WESLEY W. INGRAM PETROLEUM ENGINEER	
Approved by		Title	
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	

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)

3160-5 Alter Drilling/Casing Plan
Pintail 23 Fed 3
 Cimarex Energy Co. of Colorado
 23-25-26E
 Eddy County, NM

Proposed drilling depth: Pilot Hole 3,650' MD 4,898' TVD 3,000'

Proposed drilling Plan

In 11" hole, set 8 $\frac{1}{2}$ " casing @ 440' and cement to surface. In 7 $\frac{7}{8}$ " hole, drill to Pilot Hole TD 3,650.' Run open hole logs. Plug back pilot hole with cement plug from 2,459' to 3,650.' Dress off cement plug. Mill window from 2,804' to 2,814' and kick off 7 $\frac{7}{8}$ " lateral @ 2,809.' Drill 7 $\frac{7}{8}$ " hole through curve and set & cement 5 $\frac{1}{2}$ " casing at 3,109' MD (3,000' TVD). Drill lateral 4 $\frac{3}{4}$ " hole from 3,109' MD to 4,898' MD (3,000' TVD). Attempt natural open-hole completion. If natural flow is not possible with open-hole completion, attempt completion with 2 $\frac{7}{8}$ " slotted liner and no cement (liner hanger @ 2,909' MD). If not viable, attempt completion with 2 $\frac{7}{8}$ " Peak Completion Assembly (RSB packer @ 2,909' MD).

Proposed Mud Circulating System:

Pilot Hole

Depth	Mud Wt	Visc	Fluid Loss	Type Mud
0' to 440'	8.4 - 8.6	30-32	NC	FW spud mud. Add FW to control weight & viscosity and add paper to prevent seepage.
440' to 3,650'	9.9 - 10.0	28-29	NC	Brine. Sweep as needed to clean hole.

Lateral

Depth	Mud Wt	Visc	Fluid Loss	Type Mud
KOP to MD 2,809' 4,898'	9.0	28-30	NC	Cut brine. Sweep as needed to clean hole.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation or unexpected kicks. In order to run DSTs, open hole logs, and casing, the viscosity and water loss may have to be adjusted in order to meet these needs.

Proposed Casing Program:

Pilot Hole	Hole Size	Depth	Casing OD	Weight	Thread	Collar	Grade
Surface	11"	0' to 440'	New 8 $\frac{5}{8}$ "	24#	8-R	STC	J-55

Lateral	Hole Size	Depth	Casing OD	Weight	Thread	Collar	Grade
Intermediate	7 $\frac{7}{8}$ "	0' to MD	New 5 $\frac{1}{2}$ "	17#	8-R	BTC	J-55
Open Hole	4 $\frac{3}{4}$ "	MD to MD	open hole				
or							
Lateral Liner	4 $\frac{3}{4}$ "	MD to MD	New 2 $\frac{7}{8}$ "	6.5#	8-R	EUE	J-55
or							
Peak	4 $\frac{3}{4}$ "	MD to MD	New 2 $\frac{7}{8}$ "	6.5#	8-R	EUE	J-55

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Cementing:

<i>Surface</i>	500 sx Class C + 2% CaCl ₂ (wt 14.8, yld 1.34) TOC Surface
<i>Intermediate</i>	Lead: 600 sx Class C Light + ¼# Flocele + 1# Gilsomite + 6% Gel + 12% Salt (wt 12.4, yld 2.37) Tail: 400 sx Class C Neat + 2% CaCl ₂ (wt 14.8, yld 1.34) TOC Surface
<i>Lateral Liner Contingency</i>	If hole stability problems exist, set 2⅞" 6.5# J-55 slotted liner. Set liner hanger @ MD 2,909.' TOL MD 2,909' and BOL MD 4,898.' No cement.
<i>Peak Completion Assembly Contingency</i>	If open hole completion is tight, run 2⅞" J-55 slotted liner. Set RSB Packer @ MD 2,909.' TOL MD 2,909' and BOL MD 4,898.' No cement. Frac as needed.

Fresh water zones will be protected by setting 8⅝" casing at 440' and cementing to surface. Hydrocarbon zones will be protected by setting 5½" casing at 3,109' and cementing to surface.