

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

~~OOD 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Cimarex Energy Co. of Colorado

3a. Address
600 N. Marienfeld St., Ste. 600; Midland, TX 79701

3b. Phone No. (include area code)
432-571-7800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
990' FNL & 330' FWL
9-17S-30E

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

5. Lease Serial No.
LC-060524

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and/or No.
RECEIVED
FEB 22 2010
WOOD ARTESIA

8. Well Name and No.
Vega 9 Federal No. 4

9. API Well No.
30-015-36714

10. Field and Pool, or Exploratory Area
Loco Hills; Glorieta-Yeso

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 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 recompleat 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 recompleat 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 production casing plans on the Vega 9 Fed 4 as shown below:

Permitted Plan

7 7/8" hole, 5 1/2" 17# J-55 LTC to 6000'

Cement with Lead 400 sx Litecrete 40/60 (D961/D124) + 0.2% D-46 + 0.3% D-65 + 1% D-153 + 0.125# D-130 (wt 9.88, yld 2.83) and Tail 430 sx TXI Ltwt + 0.2% D-167 + 0.2% D-65 + 0.1% D-13 (wt 13.0, yld 1.39)

Proposed Plan

7 7/8" hole, 5 1/2" 17# P-110 LTC to 6000'

Cement with Lead 360 sx LiteCrete + 0.2% D46 + 0.6% D167 + 0.2% D13 + 1 pps D46 + 37 pps D49 + 23 pps D178 + 40 ps D124 (wt 9.9, yld 2.35) and Tail 320 sx PVL + 0.2% D167 + 0.2% D65 + 0.1% D13 + 1.3% NaCl (wt 13.0, 1.4)

14 I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Natalie Krueger

Signature

Title

Regulatory

Date

February 9, 2010

APPROVED

/s/ Roger Hall

FEB 19 2010

Petroleum Engineer

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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)

D.S. 2/23/10

Summary of Engineer's Wellbore Evaluation

Case 2

11 3/4 - O. D. of Surface Casing					Design Factors				
Segment	Grade	#/ft	Coupling	Joint	Collapse	Burst	Length	Weight	
"A"	H 40	42.00	ST & C	17	5.48	2.99	430	18,060	
"B"							0	0	
Totals:							430	18,060	
Compare Surface Cement Volumes, Proposed to Minimum									
Hole Size	Annular Volume	Proposed Sx Cmt	CuFt Cmt Proposed	Min Cu Ft	Excess % Cmt	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
14 3/4	0.4336	310	415	243	71	8.50	387	2M	1.00
Comments for 11 3/4 " Csg									

8 5/8 - O. D. of Second Casing					Design Factors				
Segment	Grade	#/ft	Coupling	Joint	Collapse	Burst	Length	Weight	
"A"	J 55	24.00	ST & C	8.13	2.07	1.03	1,250	30,000	
"B"							0	0	
"C"							0	0	
"D"							0	0	
Totals:							1,250	30,000	
Compare Cement Vol(s), Proposed to Min, with 430 ft overlap above 1st csg shoe.									
Hole Size	Annular Volume	Proposed Sx Cmt	CuFt Cmt Proposed	Min S	Excess % Cmt	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
11	0.2542	300	514	338	52	10.20	1548	2M	0.69
Comments for 8 5/8 " Csg									

5 1/2 - O. D. of Third Pipe					Design Factors				
Segment	Grade	#/ft	Coupling	Joint	Collapse	Burst	Length	Weight	
"A"	P 110	17.00	LT&C	4.36	2.61	3.71	6,000	102,000	
"B"							0	0	
"C"							0	0	
"D"							0	0	
Totals:							6,000	102,000	
Compare Cement Vol(s), Proposed to Min, with 1250 ft overlap above 2nd csg shoe.									
Hole Size	Annular Volume	Proposed Sx Cmt	CuFt Cmt Proposed	Min Cu Ft	Excess % Cmt	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
7 7/8	0.1733	680	1294	1069	21	9.20			0.91
Comments for 5 1/2 " Csg Sundry to change from 5-1/2" 17# J-55 LTC, L- 400sx/2.83 yld and T- 430sx/1.39 yld to 5 1/2" 17# P-110 LTC, L-360sx/2.35 yld and T-320sx/1.4 yld									