

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

REVISED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO 1004-0137
Expires March 31, 2007

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No NMNM-99038	
b Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff Resvr Other <u>Plug back and drill horizontal Bone Spring</u>		6 If Indian, Allottee or Tribe Name	
2 Name of Operator Cimarex Energy Co. of Colorado		7 Unit or CA Agreement Name and No	
3 Address 600 N. Marienfeld St., Ste. 600; Midland, TX 79701		8 Lease Name and Well No West Shugart 31 Federal Com No. 1	
3a Phone No (include area code) 432-571-7800		9 API Well No 30-015-31647	
4 Location of Well (Report Location clearly and in accordance with Federal requirements) At surface 1780 FSL & 1650 FWL At top prod interval reported below 1780 FSL & 1650 FWL At total depth 352 FSL & 837 FEL		10 Field and Pool, or Exploratory <u>Hutchins</u> Shugart, Bone Spring, North	
		11 Sec, T., R., M., on Block and Survey or Area 31-18S-31E	
		12 County or Parish Eddy	13 State NM
14 Date Spudded 04.23.01	15 Date TD Reached 05.28.09	16 Date Completed 07.03.09 ☐ D & A ☒ Ready to Prod.	
17 Elevations (DF, RKB, RT, GL)* 3528' GR			

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18 Total Depth MD 11751' (in horizontal section) TVD 8772'	19 Plug Back TD MD 12194' (in vertical section) TVD 11873'	20 Depth Bridge Plug Set MD 12229' w/ 35' cmt, 8625' (in vertical section) TVD 12016', 8586'
21 Type Electric & Other Mechanical Logs Run (Submit copy of each) Logs run on initial completion		22 Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No of Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/4" H-40	48#	0'	755'		450 sx, 200 sx		0'	
12 1/4"	9 5/8" J-55	40#	0'	3205'		1100 sx, 200 sx		0'	
7 7/8"	5 1/2" N-80	17#	0'	12526'		1260 sx, 1100 sx, 100 sx		1050'	
4 3/4" *	3 1/2" N-80	9.3# UFJ	8511'	9206'		No cmt, PEAK liner			
4 3/4" *	2 3/4" L-80	6.5# EUE	9206'	11550'		No cmt, PEAK liner			
* horizontal section									

24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 3/4"	8195'								

25. Producing Intervals								26. Perforation Record	
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status			
A) Bone Spring	8519'	11751'	No perms, frac'd through PEAK completion liner						
B)									
C)									
D)									

27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
	Please see attachment for the 2 multi-stage frac jobs (first 6-stage job only frac'd the toe, so second multi-stage frac job was performed)								

28. Production - Interval A -									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
07.03.09	07.09.09	24	→	122	100	332	36.9	btu 1.301	Pumping
Choke Size	Tbg Press Flwg	Csg. Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
20/64	SI 410	75	→				820	Producing	

ACCEPTED FOR RECORD

28. Production - Interval B -									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg	Csg. Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
SI			→						

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE