

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

DISTRICT II  
1901 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 July 16, 2010  
Submit one copy to appropriate  
District Office

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number <b>30-015-39109</b>	Pool Code 50270	Pool Name Penasco Draw; SA-Yeso (Assoc)
Property Code 38642	Property Name OKLAHOMA "32" FEE	Well Number 8
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3387'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	32	18 S	26 E		2310	NORTH	990	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 40	Joint or Infill	Consolidation Code	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

	<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 or has a right to drill this well at this 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>Natalie Krueger</i> 6/7/2011 Signature Date</p> <p>Natalie Krueger Printed Name</p> <p>nkrueger@cimarex.com Email Address</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><i>GARY L. JONES</i> Signature &amp; Seal of Professional Surveyor</p> <p>7977 Certificate No.</p>
	<p>Basin Surveys 24521</p>
	<p>Basin Surveys 24521</p>

Mud, Casing, Cementing, and BOP Attachment  
**Oklahoma 32 Fee No. 8**  
 Cimarex Energy Co. of Colorado  
 Unit H, Section 32  
 T18S-R26E, Eddy County, NM

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

Location: 2310 FNL & 990 FEL

Elevation above sea level: 3387' GR

Proposed drilling depth: 3,000'

Proposed Mud Circulating System:

Depth	Mud Wt	Visc	Fluid Loss	Type Mud
0' to 950'	8.4 - 8.8	28	NC	FW
0' to 3000'	9.9 - 10.1	30-32	NC	Brine water

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.

Casing & Cementing Plan:

String	Hole Size	Depth	Casing OD	Weight	Collar	Grade
<i>Surface</i>	14¾"	0' to 950'	New 9¾"	36#	STC	J55
<i>Production</i>	8¾"	0' to 3000'	New 5½"	17#	LTC	N80

Cementing Plan:

**Surface** Lead Slurry: 870 sx Class "C" + 10% W-60 + 1% CaCl<sub>2</sub> + 0.25% R-38 + 5# Gilsonite per sx ,14.4 ppg, 1.56 cuft/sx, 7.04 gal/sx fw.  
 Tail Slurry: 330 sx Class C + 2% CaCl<sub>2</sub> + 0.25% R-38, 14.8 ppg, 1.35 cuft/sx, 6.34 gal/sx fw  
**TOC Surface**

**Production** Lead Slurry: 380 sacks Class C 50/50 Poz + 10% Bentonite + 0.3% FL-10 + 0.25% R-38 + 5% Salt, Mixed at 11.92 ppg. Yeild 2.37 cuft/sx, 13.52 gal/sx Fresh Water  
 Tail Slurry: 260 sacks C Star Bond + 0.3% FL-10 + 0.1% C-20 + 0.25% R-38. Mixed at 13.2 ppg, Yeild 1.55 cuft/sx, 7.86 gal/sx Fresh Water  
**TOC Surface**

Collapse Factor  
1.125

Burst Factor  
1.125

Tension Factor  
1.6