DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
1301 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 July 16, 2010

Submit one copy to appropriate District Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

| API Number | Pool Code | Pool Name |
|---|---|---|
| 30-015-39106 | 50270 | Penasco Draw; SA-Yeso (Assoc) |

| Property Code | Property Name | Well Number |
|---|---|---|
| 38644 | TEXAS "32" FEE | 5 |

| OGRID No. | Operator Name | Elevation |
|---|---|---|
| 162683 | CIMAREX ENERGY CO. OF COLORADO | 3410' |

### Surface Location

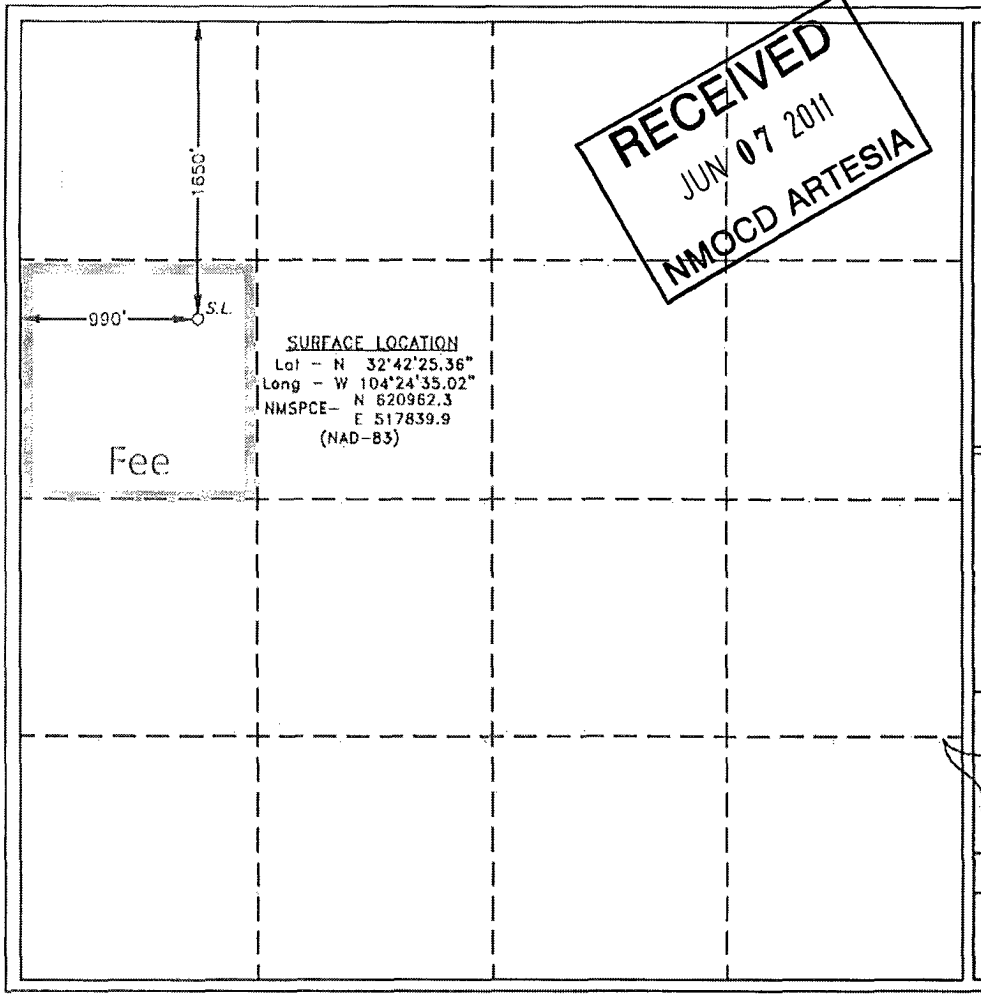
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| E | 32 | 18 S | 26 E | | 1650 | NORTH | 990 | WEST | EDDY |

### 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 | Joint or Infill | Consolidation Code | Order No. |
|---|---|---|---|
| 40 | | | |

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






### 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 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.*

6/7/2011
Signature Date

Natalie Krueger
Printed Name

nkrueger@cimarex.com
Email Address

### 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 supervison, and that the same is true and correct to the best of my belief.*

MAY 21, 2011
Date Surveyed

Signature & Seal of Professional Surveyor

GARY L. JONES
NEW MEXICO
24510
REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate No. Gary L. Jones 7977

BASIN SURVEYS 24510

Mud, Casing, Cementing, and BOP Attachment

**Texas 32 Fee No. 5**

Cimarex Energy Co. of Colorado

Unit E, 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: 1650 FNL & 990 FWL

Elevation above sea level: 3410' 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 |
|---|---|---|---|---|---|---|
| ***Surface*** | 14¾" | 0' to 950' | New 9⅝" | 36# | STC | J55 |
| ***Production*** | 8¾" | 0' to 3000' | New 5½" | 17# | LTC | N80 |

Cementing Plan:

**Surface** Lead Slurry: 870 sx Class "C" + 10% W-60 + 1% CaCl2 + 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% CaCl2 + 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* | *Burst Factor* | *Tension Factor* |
|---|---|---|
| 1.125 | 1.125 | 1.6 |