DISTRICT I 1625 N. French Dr., Hobbs, NM 65240 DISTRICT II 1301 W. Grand Avenue, Artesia, NM 86210

State of New Mexico Energy, Minerals and Natural Resources Department.

Form C-102 Revised July 16, 2010

Submit one copy to appropriate District Office

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

Section

32

Township

18 S

DISTRICT IV

UL or lot No.

F

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

☐ AMENDED REPORT

County

**EDDY** 

## 1220 S. St. Francis Dr., Santa Pe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT

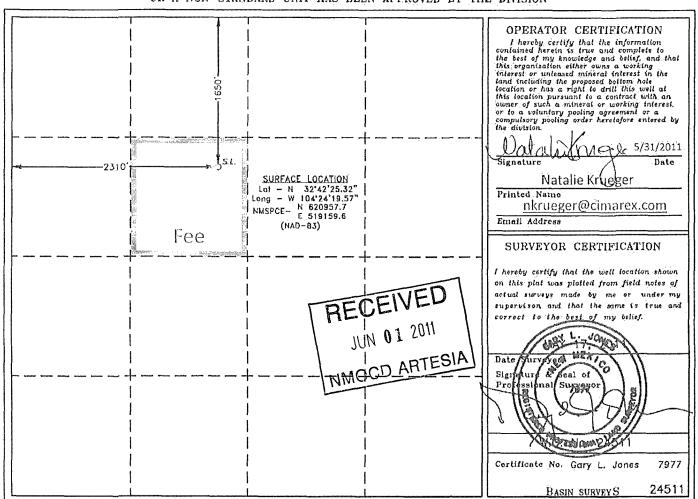
30-015-391	Pool Code Pool Name  3250 50270 Atoka, Glorieta	Penasco Draw; Yeso SA-Yeso
Property Code	Property Name	Well Number
38644	TEXAS "32" FEE	6
OGRID No.	Operator Name	Elevation
162683	CIMAREX ENERGY CO. OF COLORADO	3404'

Surface Location

### Feet from the Range Lot Idn North/South line Feet from the East/West line 1650 26 E NORTH 2310 WEST

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



# Mud, Casing, Cementing, and BOP Attachment

# Texas 32 Fee No. 6

Cimarex Energy Co. of Colorado Unit F, 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 & 2310 FWL

Elevation above sea level:

3404' 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	95%"	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	<u>Burst Factor</u>	<u>Tension Factor</u>
1.125	1.125	1.6

Mud, Casing, Cementing, and BOP Attachment
Texas 32 Fee No. 6
Cimarex Energy Co. of Colorado
Unit O, Section 15
T19S-R29E, Eddy County, NM

### Pressure control Equipment:

Exhibit "E-1" - A 13%" 3000 PSI working pressure B.O.P. consisting of a one set of blind rams and one set of pipe rams and a 3000 psi annular-type preventor. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor. Mud gas seperator will be available if drilling in H2S areas.

BOP unit will be hydraulically operated. Below intermediate casing shoe, BOP will be operated at least once a day while drilling and the blind rams will be operated when out of hole during trips. No abnormal pressure or temperature is expected while drilling. From the base of the surface pipe through the running of production casing, the well will be equipped with a 3000 psi BOP system.

Test BOP equipment and choke manifold to 250 psi low and 3000 psi high and annular BOP to 250 psi low and 1500 psi high by an independent service company.