DISTRICT I 1825 N. Prench Dr., Hobbs, NM 88240 DISTRICT II

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

Form C-102 Revised July 16, 2010

Submit one copy to appropriate District Office

1301 W. Grand Avenue, Artesia, NM 88210 DISTRICT III

1000 Rio Brazos Rd., Aztce, NM 87410

DISTRICT IV 1220 S. St. Francis Dr., Santa Pe, NM 67505

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OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

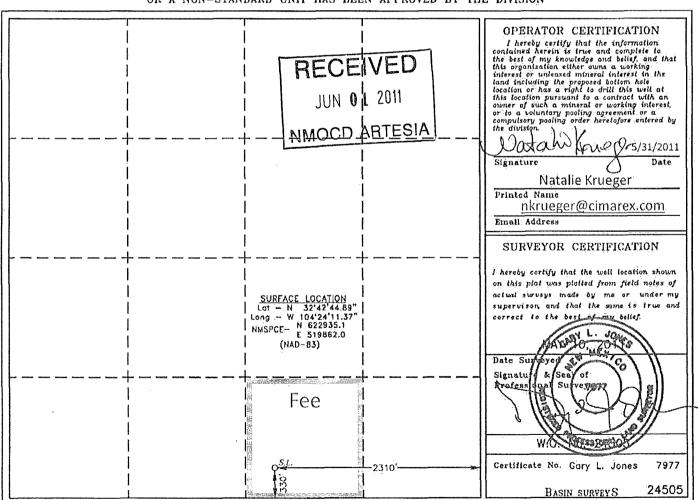
☐ AMENDED REPORT

30-015-39093	Pool Code 3250 50270	Pool Namo Penasco Draw; A toka; Glorieta Yeso SA-Yeso
Property Code 38645	Property Name ALASKA "29" F	EE 8
0GRID No. 162683	Operator Name CIMAREX ENERGY CO. OF	F COLORADO 3414'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Peet from the	North/South line	Feet from the	East/West line	County
0	29.	18 S	26 E		330	SOUTH	2310	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

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

Alaska 29 Fee No. 8

Cimarex Energy Co. of Colorado Unit O, Section 29 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:

330 FSL & 2310 FEL

Elevation above sea level:

3414' GR

Proposed drilling depth:

3,000'

Proposed Mud Circulating System:

	Dept	h	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		Dept	h	Casing OD		Weight	Collar	Grade
Surface	14¾"	0'	to	950'	New	95/8"	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

<u>Collapse Factor</u>	<u>Burst Factor</u>	<u>Tension Factor</u>
1.125	1.125	1.6

Mud, Casing, Cementing, and BOP Attachment Alaska 29 Fee No. 8 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.