

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

RECEIVED

FEB 10 2010

NMOCD ARTESIA

REVISED

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.*

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. LC-065024
2. Name of Operator Cimarex Energy Co. of Colorado		6. If Indian, Allottee or Tribe Name
3a. Address 600 N. Marienfeld St., Ste. 600; Midland, TX 79701	3b. Phone No. (include area code) 432-570-7800	7. If Unit or CA/Agreement, Name and/or No
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 330 FSL & 1980 FWL 3-17S-30E		8. Well Name and No. Poseidon 3 Federal No. 3
		9. API Well No. 30-015-36823
		10. Field and Pool, or Exploratory Area Loco Hills; Glorieta-Yeso
		11. County or Parish, State Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>Change BHL</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Per BLM request, Cimarex has changed the SHL to 250 FSL & 1330 FWL. Therefore, in order to achieve a legal penetration point and BHL, Cimarex has decided to directional from the SHL to 700 FSL & 1330 FWL as shown on the attached plat and preliminary directional plan.

Permitted Location
3-17S-30E
330 FSL & 1980 FWL
Eddy County, NM

New Proposed Location
3-17S-30E
SHL 250 FSL & 1330 FWL
BHL 700 FSL & 1330 FWL
Eddy County, NM

Subject to like approval by the State

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Natalie Krueger	Title Regulatory
Signature <i>Natalie Krueger</i>	Date January 18, 2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved by <i>/s/ Don Peterson</i>	Title Date FEB - 8 2010
Conditions of Approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office BLM Carlsbad Field Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

DISTRICT I
1625 N. French Dr., Hobbs, NM 88340

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

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36823	Pool Code 96718	Pool Name Loco Hills; Glorieta-Yeso
Property Code	Property Name POSEIDON "3" FEDERAL	Well Number 3
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3709'

Surface Location

UL or lot No. N	Section 3	Township 17 S	Range 30 E	Lot Idn	Feet from the 250	North/South line SOUTH	Feet from the 1330	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No. N	Section 3	Township 17 S	Range 30 E	Lot Idn	Feet from the 700	North/South line SOUTH	Feet from the 1330	East/West line WEST	County EDDY
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No. NSL Pending
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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

SURFACE LOCATION Lat - N 32°51'25.08" Long - W 103°57'50.50" NMSPC- N 675695.7 E 654740.4 (NAD-83) Poseidon 3 Fed 11 (Proposed) 840 FSL & 2310 FWL LC-065024 3700.3' 3702.3' 3703.0' 1330' 250' 3717.3' Poseidon 3 Fed 3 BHL 700 FSL & 1330 FWL P.P. 475 FSL & 1330 FWL SHL 250 FSL & 1330 FWL	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 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. <u>Zeno Farris</u> 1/18/2010 Signature Date Zeno Farris Printed Name 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 supervision, and that the same is true and correct to the best of my belief. DECEMBER 18, 2009 Date Surveyed Signature & Seal of Professional Surveyor 7977 Certificate No. Gary L. Jones 7977 BASIN SURVEYS
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Cimarex Energy Co.

Eddy County (NM83E)

Sec 3 - T17S - R30E

Poseidon 3 Fed #3

Wellbore #1

Plan: Plan #1

Standard Planning Report

15 January, 2010

Great White Directional Services

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Poseidon 3 Fed #3
Company:	Cimarex Energy Co	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Project:	Eddy County (NM83E)	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Sec 3 - T17S - R30E	North Reference:	Grid
Well:	Poseidon 3 Fed #3	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project:	Eddy County (NM83E)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:		Sec 3 - T17S - R30E			
Site Position:		Northing:	675,695.70 usft	Latitude:	32° 51' 25.076 N
From:	Map	Easting:	654,740.40 usft	Longitude:	103° 57' 50.502 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.20 °

Well:		Poseidon 3 Fed #3				
Well Position	+N/-S	0.0 usft	Northing:	675,695.70 usft	Latitude:	32° 51' 25.076 N
	+E/-W	0.0 usft	Easting:	654,740.40 usft	Longitude:	103° 57' 50.502 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	0.0 usft

Wellbore		Wellbore #1			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	1/15/2010	7.97	60.76	49,152

Design: Plan #1				
Audit Notes:				
Version:		Phase: PLAN	Tie On Depth: 0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	0.00

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,590.0	0.00	0.00	3,590.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,527.0	28.07	0.00	4,490.0	225.0	0.0	3.00	3.00	0.00	0.00	P #3 TRGT 1
5,462.8	0.00	0.00	5,388.8	449.7	0.0	3.00	-3.00	0.00	180.00	
6,074.0	0.00	0.00	6,000.0	449.7	0.0	0.00	0.00	0.00	0.00	

Great White Directional Services

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Poseidon 3 Fed #3
Company:	Cimarex Energy Co.	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Project:	Eddy County (NM83E)	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Sec 3- T17S - R30E	North Reference:	Grid
Well:	Poseidon 3 Fed #3	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,590.0	0.00	0.00	3,590.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP 3/100 DLS, 0.0 AZI									
3,600.0	0.30	0.00	3,600.0	0.0	0.0	0.0	3.00	3.00	0.00
3,700.0	3.30	0.00	3,699.9	3.2	0.0	3.2	3.00	3.00	0.00
3,800.0	6.29	0.00	3,799.6	11.5	0.0	11.5	3.00	3.00	0.00
3,900.0	9.29	0.00	3,898.6	25.1	0.0	25.1	3.00	3.00	0.00
4,000.0	12.28	0.00	3,996.9	43.8	0.0	43.8	3.00	3.00	0.00
4,100.0	15.28	0.00	4,094.0	67.6	0.0	67.6	3.00	3.00	0.00
4,200.0	18.27	0.00	4,189.7	96.5	0.0	96.5	3.00	3.00	0.00
4,300.0	21.27	0.00	4,283.8	130.3	0.0	130.3	3.00	3.00	0.00
4,400.0	24.27	0.00	4,376.0	169.0	0.0	169.0	3.00	3.00	0.00
4,500.0	27.26	0.00	4,466.0	212.4	0.0	212.4	3.00	3.00	0.00
4,527.0	28.07	0.00	4,490.0	225.0	0.0	225.0	3.00	3.00	0.00
Begin Drop - P #3 TRGT 1									
4,600.0	25.88	0.00	4,555.0	258.1	0.0	258.1	3.00	-3.00	0.00
4,700.0	22.88	0.00	4,646.1	299.4	0.0	299.4	3.00	-3.00	0.00
4,800.0	19.88	0.00	4,739.2	335.8	0.0	335.8	3.00	-3.00	0.00
4,900.0	16.88	0.00	4,834.1	367.4	0.0	367.4	3.00	-3.00	0.00
5,000.0	13.88	0.00	4,930.5	393.9	0.0	393.9	3.00	-3.00	0.00
5,100.0	10.88	0.00	5,028.1	415.3	0.0	415.3	3.00	-3.00	0.00
5,200.0	7.88	0.00	5,126.8	431.6	0.0	431.6	3.00	-3.00	0.00
5,300.0	4.88	0.00	5,226.2	442.8	0.0	442.8	3.00	-3.00	0.00
5,400.0	1.88	0.00	5,326.0	448.7	0.0	448.7	3.00	-3.00	0.00
5,462.8	0.00	0.00	5,388.8	449.7	0.0	449.7	3.00	-3.00	0.00
Hold to TD									
5,500.0	0.00	0.00	5,426.0	449.7	0.0	449.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,526.0	449.7	0.0	449.7	0.00	0.00	0.00
5,700.0	0.00	0.00	5,626.0	449.7	0.0	449.7	0.00	0.00	0.00
5,800.0	0.00	0.00	5,726.0	449.7	0.0	449.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,826.0	449.7	0.0	449.7	0.00	0.00	0.00
6,000.0	0.00	0.00	5,926.0	449.7	0.0	449.7	0.00	0.00	0.00
6,074.0	0.00	0.00	6,000.0	449.7	0.0	449.7	0.00	0.00	0.00
TD at 6074.0									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
P #3 TRGT 1	0.00	0.00	4,490.0	225.0	0.0	675,920.70	654,740.40	32° 51' 27.302 N	103° 57' 50.493 W
- hit/miss target									
- Shape									
- plan hits target center									
- Point									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
3,590.0	3,590.0	0.0	0.0	KOP 3/100 DLS, 0.0 AZI
4,527.0	4,490.0	225.0	0.0	Begin Drop
5,462.8	5,388.8	449.7	0.0	Hold to TD
6,074.0	6,000.0	449.7	0.0	TD at 6074.0

Cimarex Energy Co.

Project Eddy County (NM83E)
Site Sec 3 - T17S - R30E
Well Poseidon 3 Fed #3
Wellbore Wellbore #1
Design Plan #1

WELL DETAILS Poseidon 3 Fed #3

+N/-S	+E/-W	Northing	Ground Level	0 0	Longitude	Slot
0 0	0 0	675695 70	Easting	654740 40	32° 51' 25 076 N	103° 57' 50 502 W
			SHL: 250' FSL / 1330' FWL			



Azimuths to Grid North
Total Correction: 7.77°
Magnetic Field
Strength 49152.2snT
Dip Angle 60.76°
Date 1/15/2010
Model IGRF200510

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Target
1	0 0	0 00	0 00	0 0	0 0	0 0	0 00	0 00	0 0	
2	3590 0	0 00	0 00	3590 0	0 0	0 0	0 00	0 00	0 0	
3	4527 0	28 07	0 00	4490 0	225 0	0 0	3 00	0 00	225 0	P #3 TRGT 1
4	5462 8	0 00	0 00	5388 8	449 7	0 0	3 00	180 00	449 7	
5	6074 0	0 00	0 00	6000 0	449 7	0 0	0 00	0 00	449 7	

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VFace	Departure	Annotation
3590 0	3590 0	0 00	0 00	0 0	0 0	0 0	0 0	KOP 3/100 DLS, 0 0 AZI
4490 0	4527 0	28 07	0 00	225 0	0 0	225 0	225 0	Begin Drop
5388 8	5462 8	0 00	0 00	449 7	0 0	449 7	449 7	Hold to TD
6000 0	6074 0	0 00	0 00	449 7	0 0	449 7	449 7	TD at 6074 0

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Point
P #3 TRGT 1	4490 0	225 0	0 0	675920 70	654740 40	

