

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

JUN 26 2009

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Cimarex Energy Co. of Colorado 5215 N. O'Connor Blvd., Ste 1500 Irving, TX 75039		² OGRID Number 162683
		³ API Number 30-015-36132
⁴ Property Code	⁵ Property Name Homer State Com	⁶ Well No. 002
⁹ Proposed Pool 1 Wildcat Devonian		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	2	25S	25E		1980	South	1250	West	Eddy

⁸ Proposed 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

Additional Well Information

¹¹ Work Type Code E, D	¹² Well Type Code S	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3564' GR
¹⁶ Multiple N	¹⁷ Proposed Depth 13000'	¹⁸ Formation Devonian	¹⁹ Contractor N/A	²⁰ Spud Date When Approved
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method:				
Closed-Loop System <input checked="" type="checkbox"/> Flowback Tanks Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17½"	13¾"	48#	325'	340	Surface (in place)
12¼"	9⅝"	40#	2244'	1210	Surface (in place)
7⅞"	5½"	17#	13000'	2200	2000'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Well currently PA with plugs @ 9715' - 8222' - 6030' - 3905' - 2316' - 1206' - 413' - 62.' Well drilled to TD of 11870' in 7⅞" hole.

Cimarex proposes to re-enter, drill out all plugs, deepen 7⅞" hole to 13000' (Devonian), set 5½" casing in preparation for turning well into Devonian SWD. SWD Application pending.

Cement with Lead: 650 sxInterfill H + 0.25% HR-7 + 5 lb/sk Gilsonite + 0.25 lb/sk Flocele (wt 11.9 ppg, yld 2.47 ft3/sk), Tail: 370 sxSuper H + 0.5% Halad-344 + 0.4% CFR-3 + 1lbm/sk salt + 5 lb/sk Gilsonite + 0.125 lb/sk Poly-E-flake + 0.35% HR-7 (yld 1.67 ft3/sk)

5K BOP and 8.4-9.4 ppg FW/Brine mud will be used.

Approved for Drilling Only.
Injection and stipulations of injection subject to SWD order

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Natalie Krueger

Title: Regulatory

E-mail Address: nkrueger@cimarex.com

Date: 06-15-09

Phone: 469-420-2723

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☒

See Above

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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 30-015-36132	Pool Code	Pool Name Wildcat Devonian
Property Code	Property Name HOMER STATE COM	Well Number 2
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3564'

Surface Location

UL or lot No. L	Section 2	Township 25 S	Range 25 E	Lot Idn	Feet from the 1980	North/South line SOUTH	Feet from the 1250	East/West line WEST	County EDDY
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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 320	Joint or Infill	Consolidation Code C	Order No. SWD Application Pending						

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>V0-6143-0001</p> <p>V0-6144-0001</p> <p>SURFACE LOCATION Lot - N32°09'25.23" Long - W104°22'16.21" NAD-83 NAD-83</p>	<p>OPERATOR CERTIFICATION</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 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><u>Zeno Farris</u> 06-15-09 Signature Date</p> <p>Zeno Farris Printed Name</p>
	<p>SURVEYOR CERTIFICATION</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>FEBRUARY 5, 2008</p> <p>Date Surveyed</p> <p><u>Gary L. Jones</u> Signature Professional Surveyor</p> <p>7977</p> <p>206</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>