

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

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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.*

Lease Serial No.

NM-101097

6 If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.

Tank 29 Federal No. 2

9. API Well No.

30-015-35690

10. Field and Pool, or Exploratory Area

Chosa Draw; Morrow

11. County or Parish, State

Eddy County, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Cimarex Energy Co. of Colorado

3a Address

PO Box 140907; Irving, TX 75014-0907

3b. Phone No (include area code)

972-401-3111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660 FNL & 2480 FEL
29-25S-26E

**UNORTHODOX
LOCATION**

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 Propose to
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	complete horizontally in
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	Wolfcamp

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.)

Well is currently permitted to drill vertically to a TD in the Morrow @ 12660.' Cimarex proposed to alter the drilling plan as shown below in order to make this a horizontal Wolfcamp well:

Surface: hole size, casing, cement as permitted.

Intermediate: In 12¼" hole, set 9¾" 40# J-55 LTC to 2700.' Cement with Lead 600 sx Class C Light + 1/4# Flocele + 1# Gilsonite + 6% Gel + 12% Salt (wt 12.4, yld 2.37) and Tail 400 sx Class C Neat + 2% CaCl₂ (wt 14.8, yld 1.34). TOC surface.

Production: Drill 7¾" hole to 9332' (KOP for 6¾" hole). From there, kick off horizontal leg and land lateral in the Wolfcamp (EOC 9636'). Continue drilling 6¾" hole to TD of MD 12122' and TVD 9477.'

Once lateral is drilled, run casing. In vertical part of production hole, run 5½" 17# P-110 LTC casing. Use crossover (4 ½" P110 csg [7560 psi collapse, 10690 psi burst] with a 5 ½" LTC box and a 4 ½" BTC pin) and for horizontal part of production hole, including curve, run 4½" 11.6# P-110 BTC casing.

Cement with Lead 620 sx Interfill H + 0.3% HR-601 + 5 # Gilsonite + 0.125 # Poly-E-Flake (wt 11.9 ppg, yld 2.47 cf/sx) and Tail 480 sx Super H + 0.5% Halad ® 344 + 0.25% D-Air 3000 + 0.4% CFR-3 + 1 # Salt + 5 # Gilsonite + 0.125 # Poly-E-Flake + 0.35% HR-7 (wt 13.2 ppg, yld 1.61 cf/sx).

Cement to come to surface,

Please see attached C-102 and preliminary directional survey.

ACCEPTED FOR RECORD

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Natalie Krueger

Signature

Natalie Krueger

Title

Regulatory Analyst

Date

July 22, 2008

AUG 8 2008

Gerry Guye, Deputy Field Inspector
NMOC District II ARTESIA

APPROVED

Approved by

Title

Office

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.

Date

AUG 6 2008

WESLEY W. INGRAM
PETROLEUM ENGINEER

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 88240

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

DISTRICT III
1000 Rio Brazos Rd., Artesia, 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 30-015-35690	Pool Code	Pool Name Wolfcamp Wildcat
Property Code	Property Name TANK "29" FEDERAL	Well Number 2
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3440'

Surface Location

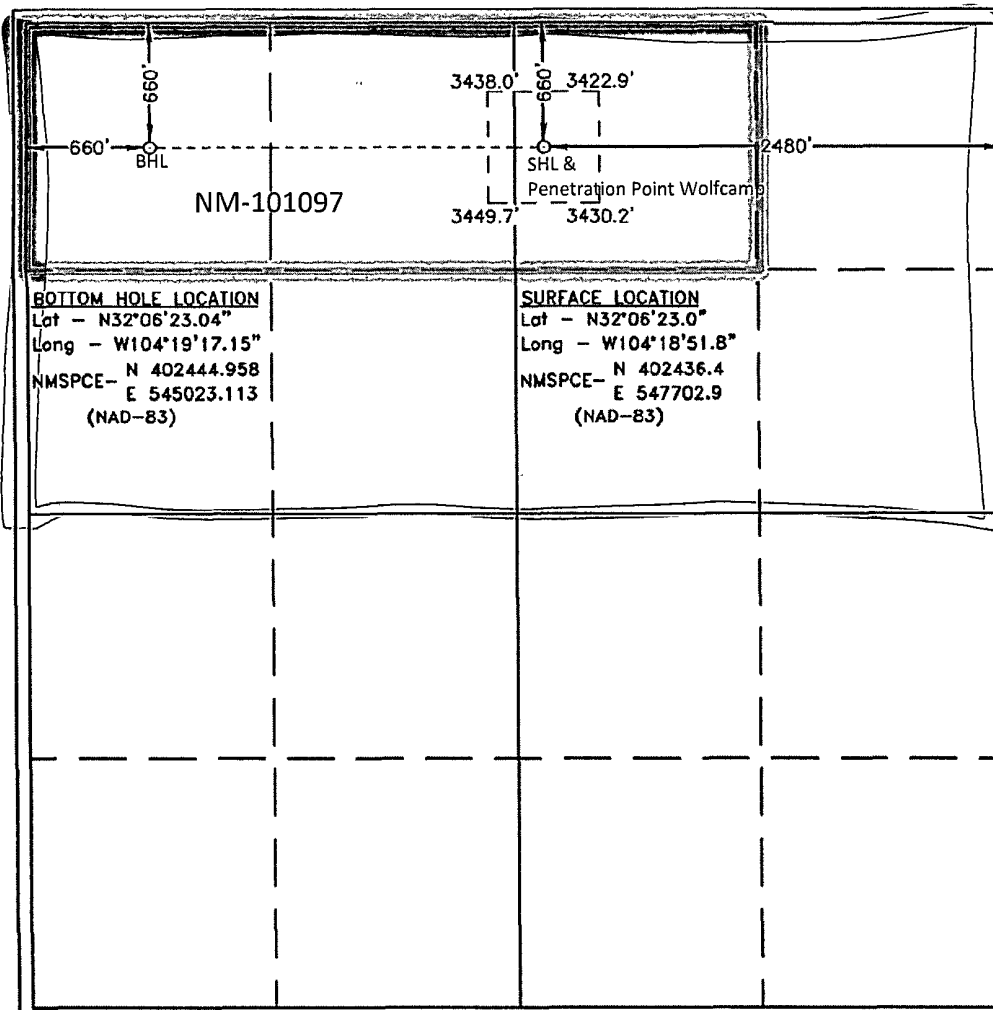
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	29	25 S	26 E		660	NORTH	2480	EAST	EDDY

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
D	29	25 S	26 E		660	NORTH	660	WEST	EDDY

Dedicated Acres 320 120	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

		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. <i>Zeno Farris</i> 07-22-08 Signature Date Zeno Farris Printed Name
BOTTOM HOLE LOCATION Lat - N32°06'23.04" Long - W104°19'17.15" NMSPCE- N 402444.958 E 545023.113 (NAD-83)		SURFACE LOCATION Lat - N32°06'23.0" Long - W104°18'51.8" NMSPCE- N 402436.4 E 547702.9 (NAD-83)
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. MAY 03, 2007 Date Surveyed Signature of Gary L. Jones Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS		



Planned Wellpath Report

Preliminary
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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co. of Colorado	Slot	No. 2H SHL
Area	Eddy County, NM	Well	No. 2H
Field	(Tank) Sec 29, T25S, R26E	Wellbore	No. 2H PWB
Facility	Tank 29 Fed No. 2H		

REPORT SETUP INFORMATION			
Projection System	NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999909	Report Generated	7/11/2008 at 11:06:36 AM
Convergence at slot	0.01° East	Database/Source file	WA_Midland/No. 2H_PWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	547702.90	402436.40	32°06'22.951"N	104°18'45.991"W
Facility Reference Pt			547702.90	402436.40	32°06'22.951"N	104°18'45.991"W
Field Reference Pt			547702.90	402436.40	32°06'22.951"N	104°18'45.991"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 2H SHL (RT) to Facility Vertical Datum	18.00ft
Horizontal Reference Pt	Facility Center	Rig on No. 2H SHL (RT) to Mean Sea Level	3458.00ft
Vertical Reference Pt	Rig on No. 2H SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 2H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	270.18°



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Facility	Tank 29 Fed No. 2H		

WELLPATH DATA (31 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00	0.000	270.183	0.00	0.00	0.00	0.00	0.00	Tie On
9332.00	0.000	270.183	9332.00	0.00	0.00	0.00	0.00	KOP
9432.00†	30.000	270.183	9427.49	25.59	0.08	-25.59	30.00	
9532.00†	60.000	270.183	9497.40	95.49	0.30	-95.49	30.00	
9632.00†	90.000	270.183	9522.99	190.99	0.61	-190.98	30.00	
9635.53	91.059	270.183	9522.95	194.52	0.62	-194.52	30.00	EOC
9732.00†	91.059	270.183	9521.17	290.97	0.93	-290.97	0.00	
9832.00†	91.059	270.183	9519.32	390.95	1.25	-390.95	0.00	
9932.00†	91.059	270.183	9517.47	490.94	1.57	-490.93	0.00	
10032.00†	91.059	270.183	9515.62	590.92	1.89	-590.91	0.00	
10132.00†	91.059	270.183	9513.78	690.90	2.21	-690.90	0.00	
10232.00†	91.059	270.183	9511.93	790.88	2.53	-790.88	0.00	
10332.00†	91.059	270.183	9510.08	890.87	2.85	-890.86	0.00	
10432.00†	91.059	270.183	9508.23	990.85	3.16	-990.84	0.00	
10532.00†	91.059	270.183	9506.38	1090.83	3.48	-1090.83	0.00	
10632.00†	91.059	270.183	9504.53	1190.82	3.80	-1190.81	0.00	
10732.00†	91.059	270.183	9502.68	1290.80	4.12	-1290.79	0.00	
10832.00†	91.059	270.183	9500.84	1390.78	4.44	-1390.77	0.00	
10932.00†	91.059	270.183	9498.99	1490.76	4.76	-1490.76	0.00	
11032.00†	91.059	270.183	9497.14	1590.75	5.08	-1590.74	0.00	
11132.00†	91.059	270.183	9495.29	1690.73	5.40	-1690.72	0.00	
11232.00†	91.059	270.183	9493.44	1790.71	5.72	-1790.70	0.00	
11332.00†	91.059	270.183	9491.59	1890.70	6.04	-1890.69	0.00	
11432.00†	91.059	270.183	9489.75	1990.68	6.36	-1990.67	0.00	
11532.00†	91.059	270.183	9487.90	2090.66	6.68	-2090.65	0.00	
11632.00†	91.059	270.183	9486.05	2190.64	7.00	-2190.63	0.00	
11732.00†	91.059	270.183	9484.20	2290.63	7.32	-2290.62	0.00	
11832.00†	91.059	270.183	9482.35	2390.61	7.63	-2390.60	0.00	
11932.00†	91.059	270.183	9480.50	2490.59	7.95	-2490.58	0.00	
12032.00†	91.059	270.183	9478.65	2590.58	8.27	-2590.56	0.00	



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Preliminary

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Area	Eddy County, NM	Well	No. 2H
Field	(Tank) Sec 29, T25S, R26E	Wellbore	No. 2H PWB
Facility	Tank 29 Fed No. 2H		

WELLPATH DATA (31 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
12121.49	91.059	270.183	9477.00 ¹	2680.05	8.56	-2680.04	0.00	No. 2H BHL

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 2H BHL	12121.49	9477.00	8.56	-2680.04	545023.11	402444.96	32°06'23.040"N	104°19'17.148"W	point

SURVEY PROGRAM Ref Wellbore: No. 2H PWB Ref Wellpath: Preliminary

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	12121.49	NaviTrak (Standard)		No. 2H PWB



Cimarex Energy Co. of Colorado

Location: Eddy County, NM
Field: (Tank) Sec 29, T25S, R26E
Facility: Tank 29 Fed No. 2H

Slot No. 2H SHL
Well No. 2H
Wellbore No. 2H PWB

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	0.00	0.000	270.183	0.00	0.00	0.00	0.00	0.00
KOP	9332.00	0.000	270.183	9332.00	0.00	0.00	0.00	0.00
EOC	9635.53	91.059	270.183	9522.95	0.62	-194.52	30.00	194.52
No. 2H BHL	12121.49	91.059	270.183	9477.00	8.56	-2680.04	0.00	2680.05

