

Office

District I

1625 N French Dr, Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87401

District IV

1220 S. St. Francis Dr., Santa Fe, NM

87505

RECEIVED

OCT 9 2009

Energy, Minerals and Natural Resources

NMOC D ARTESIA

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-015-37179

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Park State 36 Com

8. Well Number

002

9. OGRID Number

162683

10. Pool name or Wildcat

Delaware Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

Cimarex Energy Co. of Colorado

3. Address of Operator

600 N. Marienfeld St., Ste. 600; Midland, TX 79701

4. Well Location

SHL Unit Letter D : 660 feet from the North line and 500 feet from the West lineSection 36 Township 24S Range 25E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3579' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☒MULTIPLE COMPL ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS ☐P AND A ☐CASING/CEMENT JOB ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Cimarex has changed its proposed BHL. Please see the attached revised plat and directional plan.

Permitted Location

SHL 660 FNL & 500 FWL

BHL 330 FSL & 375 FWL

36-24S-25E

Proposed Location

660 FNL & 500 FWL

330 FSL & 500 FWL

36-24S-25E

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC D guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.SIGNATURE Natalie Krueger TITLE Regulatory DATE October 8, 2009Type or print name Natalie Krueger email address: nkrueger@cimarex.com Telephone No. 432-620-1936

For State Use Only

APPROVED BY: Jaquie R TITLE Geologist DATE 10/14/2009

Conditions of Approval (if any):

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 96382	Pool Name White City; Delaware
Property Code	Property Name PARK STATE "36" COM	Well Number 2
OGRID No. 163682	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3579'

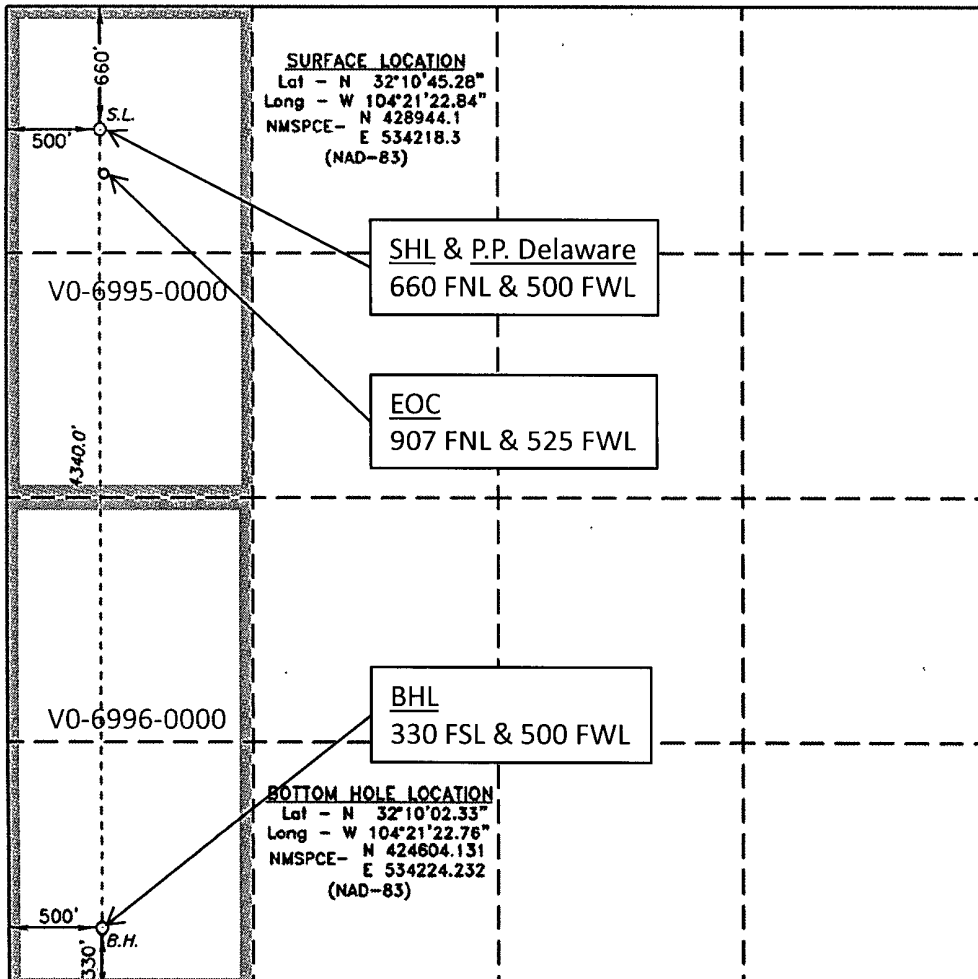
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	24 S	25 E		660	NORTH	500	WEST	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
M	36	24 S	25 E		330	SOUTH	500	WEST	EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code P	Order No.						

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°10'45.28" Long - W 104°21'22.84" NMSPCE- N 428944.1 E 534218.3 (NAD-83) SHL & P.P. Delaware 660 FNL & 500 FWL EOC 907 FNL & 525 FWL BHL 330 FSL & 500 FWL BOTTOM HOLE LOCATION Lat - N 32°10'02.33" Long - W 104°21'22.76" NMSPCE- N 424604.131 E 534224.232 (NAD-83)	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> 10/8/2009 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. DATE SURVEYED: JUNE 12, 2009 SIGNATURE: [Signature] Professional Surveyor 7977 Certificate No. Gary L. Jones 7977 BASIN SURVEYS
---	--

Cimarex Energy Co.

Eddy County (NM83E)

Sec 36-T24S-R25E

Park State 36 Com #2

Wellbore #1

Plan: Plan #2

Standard Planning Report

05 October, 2009

Great White Directional Services

Planning Report

Database: EDM 5000.1 Single User Db
Company: Cimarex Energy Co.
Project: Eddy County (NM83E)
Site: Sec 36-T24S-R25E
Well: Park State 36 Com #2
Wellbore: Wellbore #1
Design: Plan #2

Local Co-ordinate Reference: Well Park State 36 Com #2
TVD Reference: WELL @ 0.0usft (Original Well Elev)
MD Reference: WELL @ 0.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project: Eddy County (NM83E)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site: Sec 36-T24S-R25E

Site Position:		Northing:	428,944.10 usft	Latitude:	32° 10' 45.275 N
From:	Map	Easting:	534,218.30 usft	Longitude:	104° 21' 22.839 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.01 °

Well: Park State 36 Com #2

Well Position	+N/-S	0.0 usft	Northing:	428,944.10 usft	Latitude:	32° 10' 45.275 N
	+E/-W	0.0 usft	Easting:	534,218.30 usft	Longitude:	104° 21' 22.839 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	2009/06/30	8.16	60.07	48,750

Design: Plan #2

Audit Notes:

Version: Phase: PLAN Tie On Depth: 4,772.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.60

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
4,772.0	1.74	233.61	4,769.0	-21.8	32.1	0.00	0.00	0.00	0.00	
4,866.0	1.74	233.61	4,863.0	-23.5	29.8	0.00	0.00	0.00	0.00	
5,212.4	90.00	179.92	5,082.0	-246.6	24.7	25.69	25.48	-15.50	-53.70	
9,305.5	90.00	179.92	5,082.0	-4,339.7	30.4	0.00	0.00	0.00	0.00	Park State 36 Com

Great White Directional Services

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Park State 36 Com #2
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 36-T24S-R25E	North Reference:	Grid
Well:	Park State 36 Com #2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

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)
4,772.0	1.74	233.61	4,769.0	-21.8	32.1	22.1	0.49	0.26	14.24
Tie In - Gyro									
4,800.0	1.74	233.61	4,797.0	-22.3	31.4	22.5	0.00	0.00	0.00
4,866.0	1.74	233.61	4,863.0	-23.5	29.8	23.7	0.00	0.00	0.00
KOP 25.69°, 179.92° AZI									
4,880.0	4.83	196.75	4,877.0	-24.2	29.4	24.4	25.69	22.10	-263.31
4,900.0	9.86	188.01	4,896.8	-26.7	28.9	26.9	25.69	25.14	-43.66
4,920.0	14.96	185.17	4,916.3	-31.0	28.5	31.2	25.69	25.51	-14.20
4,940.0	20.08	183.76	4,935.4	-37.0	28.0	37.2	25.69	25.60	-7.08
4,960.0	25.21	182.90	4,953.9	-44.7	27.6	44.9	25.69	25.63	-4.29
4,980.0	30.34	182.32	4,971.5	-54.0	27.2	54.2	25.69	25.65	-2.92
5,000.0	35.47	181.89	4,988.3	-64.8	26.8	65.0	25.69	25.66	-2.14
5,020.0	40.61	181.56	5,004.1	-77.2	26.4	77.3	25.69	25.66	-1.66
5,040.0	45.74	181.29	5,018.7	-90.8	26.0	91.0	25.69	25.67	-1.35
5,060.0	50.87	181.06	5,032.0	-105.8	25.7	105.9	25.69	25.67	-1.13
5,080.0	56.01	180.87	5,043.9	-121.8	25.5	122.0	25.69	25.67	-0.98
5,100.0	61.14	180.69	5,054.3	-138.9	25.2	139.0	25.69	25.67	-0.86
5,120.0	66.28	180.54	5,063.1	-156.8	25.1	157.0	25.69	25.68	-0.78
5,140.0	71.41	180.39	5,070.4	-175.4	24.9	175.6	25.69	25.68	-0.72
5,160.0	76.55	180.26	5,075.9	-194.7	24.8	194.8	25.69	25.68	-0.68
5,180.0	81.68	180.13	5,079.7	-214.3	24.7	214.5	25.69	25.68	-0.65
5,200.0	86.82	180.00	5,081.7	-234.2	24.7	234.3	25.69	25.68	-0.64
5,212.4	90.00	179.92	5,082.0	-246.6	24.7	246.7	25.69	25.68	-0.63
EOC - Hold to TD									
5,300.0	90.00	179.92	5,082.0	-334.2	24.8	334.3	0.00	0.00	0.00
5,400.0	90.00	179.92	5,082.0	-434.2	25.0	434.3	0.00	0.00	0.00
5,500.0	90.00	179.92	5,082.0	-534.2	25.1	534.3	0.00	0.00	0.00
5,600.0	90.00	179.92	5,082.0	-634.2	25.3	634.3	0.00	0.00	0.00
5,700.0	90.00	179.92	5,082.0	-734.2	25.4	734.3	0.00	0.00	0.00
5,800.0	90.00	179.92	5,082.0	-834.2	25.5	834.3	0.00	0.00	0.00
5,900.0	90.00	179.92	5,082.0	-934.2	25.7	934.3	0.00	0.00	0.00
6,000.0	90.00	179.92	5,082.0	-1,034.2	25.8	1,034.3	0.00	0.00	0.00
6,100.0	90.00	179.92	5,082.0	-1,134.2	26.0	1,134.3	0.00	0.00	0.00
6,200.0	90.00	179.92	5,082.0	-1,234.2	26.1	1,234.3	0.00	0.00	0.00
6,300.0	90.00	179.92	5,082.0	-1,334.2	26.2	1,334.3	0.00	0.00	0.00
6,400.0	90.00	179.92	5,082.0	-1,434.2	26.4	1,434.3	0.00	0.00	0.00
6,500.0	90.00	179.92	5,082.0	-1,534.2	26.5	1,534.3	0.00	0.00	0.00
6,600.0	90.00	179.92	5,082.0	-1,634.2	26.7	1,634.3	0.00	0.00	0.00
6,700.0	90.00	179.92	5,082.0	-1,734.2	26.8	1,734.3	0.00	0.00	0.00
6,800.0	90.00	179.92	5,082.0	-1,834.2	26.9	1,834.3	0.00	0.00	0.00
6,900.0	90.00	179.92	5,082.0	-1,934.2	27.1	1,934.3	0.00	0.00	0.00
7,000.0	90.00	179.92	5,082.0	-2,034.2	27.2	2,034.3	0.00	0.00	0.00
7,100.0	90.00	179.92	5,082.0	-2,134.2	27.4	2,134.3	0.00	0.00	0.00
7,200.0	90.00	179.92	5,082.0	-2,234.2	27.5	2,234.3	0.00	0.00	0.00
7,300.0	90.00	179.92	5,082.0	-2,334.2	27.6	2,334.3	0.00	0.00	0.00
7,400.0	90.00	179.92	5,082.0	-2,434.2	27.8	2,434.3	0.00	0.00	0.00
7,500.0	90.00	179.92	5,082.0	-2,534.2	27.9	2,534.3	0.00	0.00	0.00
7,600.0	90.00	179.92	5,082.0	-2,634.2	28.1	2,634.3	0.00	0.00	0.00
7,700.0	90.00	179.92	5,082.0	-2,734.2	28.2	2,734.3	0.00	0.00	0.00
7,800.0	90.00	179.92	5,082.0	-2,834.2	28.3	2,834.3	0.00	0.00	0.00
7,900.0	90.00	179.92	5,082.0	-2,934.2	28.5	2,934.3	0.00	0.00	0.00
8,000.0	90.00	179.92	5,082.0	-3,034.2	28.6	3,034.3	0.00	0.00	0.00
8,100.0	90.00	179.92	5,082.0	-3,134.2	28.7	3,134.3	0.00	0.00	0.00

Great White Directional Services

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Park State 36 Com #2
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 36-T24S-R25E	North Reference:	Grid
Well:	Park State 36 Com #2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

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)
8,200.0	90.00	179.92	5,082.0	-3,234.2	28.9	3,234.3	0.00	0.00	0.00
8,300.0	90.00	179.92	5,082.0	-3,334.2	29.0	3,334.3	0.00	0.00	0.00
8,400.0	90.00	179.92	5,082.0	-3,434.2	29.2	3,434.3	0.00	0.00	0.00
8,500.0	90.00	179.92	5,082.0	-3,534.2	29.3	3,534.3	0.00	0.00	0.00
8,600.0	90.00	179.92	5,082.0	-3,634.2	29.4	3,634.3	0.00	0.00	0.00
8,700.0	90.00	179.92	5,082.0	-3,734.2	29.6	3,734.3	0.00	0.00	0.00
8,800.0	90.00	179.92	5,082.0	-3,834.2	29.7	3,834.3	0.00	0.00	0.00
8,900.0	90.00	179.92	5,082.0	-3,934.2	29.9	3,934.3	0.00	0.00	0.00
9,000.0	90.00	179.92	5,082.0	-4,034.2	30.0	4,034.3	0.00	0.00	0.00
9,100.0	90.00	179.92	5,082.0	-4,134.2	30.1	4,134.3	0.00	0.00	0.00
9,200.0	90.00	179.92	5,082.0	-4,234.2	30.3	4,234.3	0.00	0.00	0.00

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
Park State 36 Com 2	0.00	0.00	5,082.0	-4,339.9	5.8	424,604.21	534,224.13	32° 10' 2.327 N	104° 21' 22.761 W
- plan misses target center by 108.5usft at 9200.0usft MD (5082.0 TVD, -4234.2 N, 30.3 E)									
- Point									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
433.0	433.0	Top Salt		0.00	
1,254.4	1,253.0	Base Salt		0.00	
1,515.0	1,513.0	Bell Canyon		0.00	
2,585.5	2,583.0	Cherry Canyon		0.00	
4,105.7	4,103.0	Brushy Canyon		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
4,772.0	4,769.0	-21.8	32.1	Tie In - Gyro
4,866.0	4,863.0	-23.5	29.8	KOP 25.69°, 179.92° AZI
5,212.4	5,082.0	-246.6	24.7	EOC - Hold to TD
9,305.5	5,082.0	-4,339.7	30.4	TD at 9305.5' MD

Cimarex Energy Co.

Project Eddy County (NM83E)
Site Sec 36-T24S-R25E
Well Park State 36 Com #2
Wellbore Wellbore #1
Design 06-30-09
Plan Version

WELL DETAILS: Park State 36 Com #2

+N/-S+E/-W Northing Easting Latitude Longitude
0.0 0.0 428944.10 534218.30 32° 10' 45.275 N 104° 21' 22.839 W



Azimuths to Grid North
Total Correction 8.17"

Magnetic Field
Strength 48749.9nT
Dip Angle 60.07°
Date 2009/06/30
Model IGRF200510

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
Park State 36 Com 2 PBHL	5138.0	-4339.9	-119.2	424604.21	534099.13

PLAN DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
4947.0	0.00	0.00	4947.0	0.0	0.0	0.00	0.00	0.0	
5247.0	90.00	181.57	5138.0	-190.9	-5.2	30.00	181.57	191.0	
9397.5	90.00	181.57	5138.0	-4339.9	-119.2	0.00	0.00	4341.5	Park State 36 Com 2 PBHL

ANNOTATIONS

TVD	MD	Annotation
4947.0	4947.0	KOP - 30/ 100 @ 181.57 AZI
5138.0	5247.0	EOC - Hold to TD
5138.0	9397.5	TD at 9397.5

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
		Bone Spring
433.0	433.0	Top Salt
1253.0	1253.0	Base Salt
1513.0	1513.0	Bell Canyon
2583.0	2583.0	Cherry Canyon
4103.0	4103.0	Brushy Canyon
5123.0	5170.8	Brushy Canyon LWR C

