

DISTRICT I
1025 N. French Dr., Hobbs, NM 88240

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED

JAN 04 2011

HOBBS

CONSERVATION DIVISION

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

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised July 18, 2010

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-005-29169	Pool Code 97722	Pool Name Wildcat Abo/Wolfcamp
Property Code 38444	Property Name NASSAU "29" STATE COM	Well Number 2
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 4431'

Surface Location

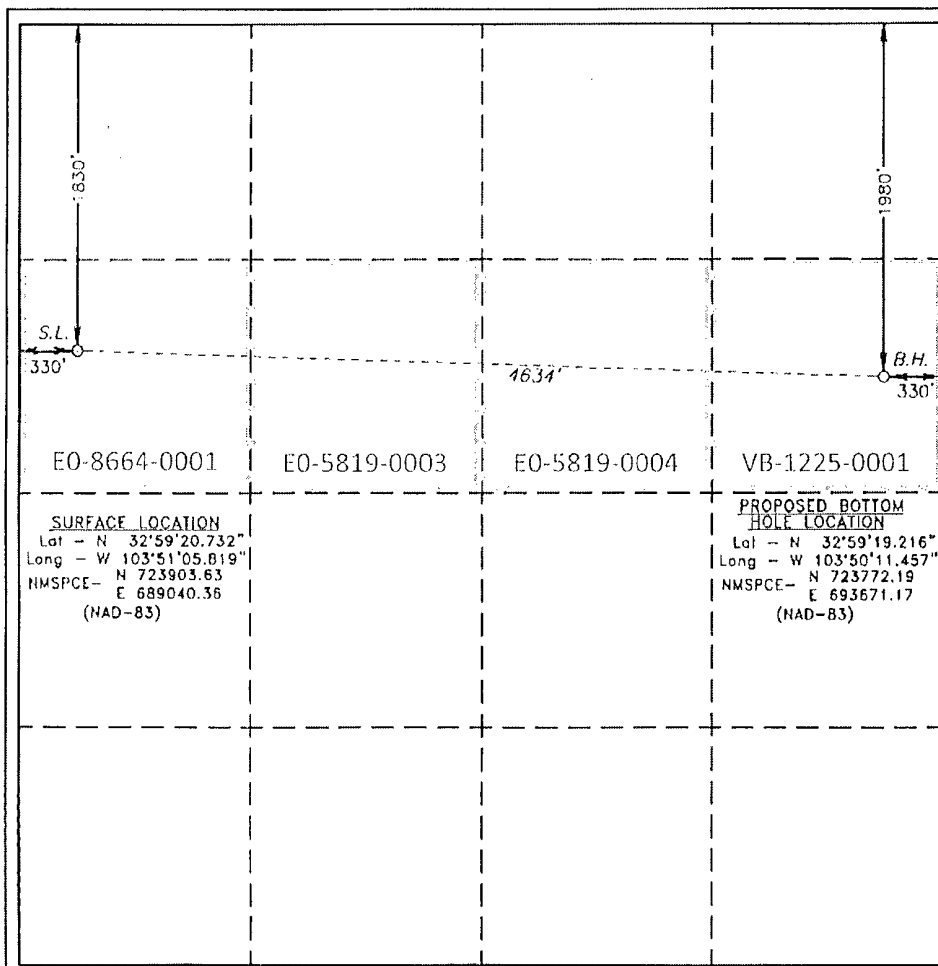
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	29	15 S	31 E		1830	NORTH	330	WEST	CHAVES

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
H	29	15 S	31 E		1980	NORTH	330	EAST	CHAVES

Dedicated Acres 160	Joint or Infill	Consolidation Code P	Order No.
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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 unCHAVESeed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this 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>Natalie Krueger</i> 1/4/2011 Signature Date Natalie Krueger Printed Name nkrueger@cimarex.com Email Address
SURFACE LOCATION Lat - N 32°59'20.732" Long - W 103°51'05.819" NMSPCE- N 723903.63 E 689040.36 (NAD-83)	PROPOSED BOTTOM HOLE LOCATION Lat - N 32°59'19.216" Long - W 103°50'11.457" NMSPCE- N 723772.19 E 693671.17 (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. DECEMBER 08 2010 Date Surveyed <i>Gary L. Jones</i> Signature & Seal of Professional Surveyor W. G. Jones 23842 Certificate No. Gary L. Jones 7977 BASIN SURVEYS 23842	



Cimarex Energy Co.

Chaves County

Sec 29 - T15S - R31E

Nassau 29 State Com #2

Wellbore #1

Plan: Plan #1

Standard Planning Report

03 January, 2011





Great White Directional Services

Planning Report



Database: EDM 5000.1 Single User Db
Company: Cimarex Energy Co.
Project: Chaves County
Site: Sec 29 - T15S - R31E
Well: Nassau 29 State Com #2
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference: Well Nassau 29 State Com #2
TVD Reference: WELL (copy) @ 0.0usft (Original Well Elev)
MD Reference: WELL (copy) @ 0.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Chaves County		
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 29 - T15S - R31E		
Site Position:	From:	Map	Northings: 725,073.55 usft
			Easting: 689,035.43 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
			Latitude: 32° 59' 32.284 N
			Longitude: 103° 51' 5.804 W
			Grid Convergence: 0.26 "

Well	Nassau 29 State Com #2		
Well Position	+N/-S	-1,169.9 usft	Northings: 723,903.63 usft
	+E/-W	4.9 usft	Easting: 689,040.36 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 0.0 usft
			Latitude: 32° 59' 20.708 N
			Longitude: 103° 51' 5.809 W

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF200510	01/03/11	7.82
			Dip Angle
			(°)
			60.88
			Field Strength
			(nT)
			49,150

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			91.63

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
8,530.0	0.00	0.00	8,530.0	0.0	0.0	0.00	0.00	0.00	0.00	
8,830.0	90.00	91.63	8,721.0	-5.4	190.9	30.00	30.00	0.00	91.63	
13,228.5	90.00	91.63	8,721.0	-130.5	4,587.6	0.00	0.00	0.00	0.00	Nassau #1 PBHL



Great White Directional Services
Planning Report



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North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00



Great White Directional Services Planning Report



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5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,530.0	0.00	0.00	8,530.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP 30/100 DLS @ 91.63 AZI									
8,540.0	3.00	91.63	8,540.0	0.0	0.3	0.3	30.00	30.00	0.00
8,550.0	6.00	91.63	8,550.0	0.0	1.0	1.0	30.00	30.00	0.00
8,560.0	9.00	91.63	8,559.9	-0.1	2.4	2.4	30.00	30.00	0.00
8,570.0	12.00	91.63	8,569.7	-0.1	4.2	4.2	30.00	30.00	0.00
8,580.0	15.00	91.63	8,579.4	-0.2	6.5	6.5	30.00	30.00	0.00
8,590.0	18.00	91.63	8,589.0	-0.3	9.3	9.3	30.00	30.00	0.00
8,600.0	21.00	91.63	8,598.4	-0.4	12.7	12.7	30.00	30.00	0.00
8,610.0	24.00	91.63	8,607.7	-0.5	16.5	16.5	30.00	30.00	0.00
8,620.0	27.00	91.63	8,616.7	-0.6	20.8	20.8	30.00	30.00	0.00
8,630.0	30.00	91.63	8,625.5	-0.7	25.6	25.6	30.00	30.00	0.00
8,640.0	33.00	91.63	8,634.0	-0.9	30.8	30.8	30.00	30.00	0.00
8,650.0	36.00	91.63	8,642.3	-1.0	36.5	36.5	30.00	30.00	0.00
8,660.0	39.00	91.63	8,650.2	-1.2	42.5	42.6	30.00	30.00	0.00
8,670.0	42.00	91.63	8,657.8	-1.4	49.0	49.1	30.00	30.00	0.00
8,680.0	45.00	91.63	8,665.0	-1.6	55.9	55.9	30.00	30.00	0.00
8,690.0	48.00	91.63	8,671.9	-1.8	63.2	63.2	30.00	30.00	0.00
8,700.0	51.00	91.63	8,678.4	-2.0	70.8	70.8	30.00	30.00	0.00
8,710.0	54.00	91.63	8,684.5	-2.2	78.7	78.7	30.00	30.00	0.00
8,720.0	57.00	91.63	8,690.2	-2.5	86.9	87.0	30.00	30.00	0.00



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8,730.0	60.00	91.63	8,695.4	-2.7	95.5	95.5	30.00	30.00	0.00
8,740.0	63.00	91.63	8,700.2	-3.0	104.2	104.3	30.00	30.00	0.00
8,750.0	66.00	91.63	8,704.5	-3.2	113.3	113.3	30.00	30.00	0.00
8,760.0	69.00	91.63	8,708.3	-3.5	122.5	122.5	30.00	30.00	0.00
8,770.0	72.00	91.63	8,711.6	-3.8	131.9	132.0	30.00	30.00	0.00
8,780.0	75.00	91.63	8,714.5	-4.0	141.5	141.6	30.00	30.00	0.00
8,790.0	78.00	91.63	8,716.8	-4.3	151.2	151.3	30.00	30.00	0.00
8,800.0	81.00	91.63	8,718.6	-4.6	161.0	161.1	30.00	30.00	0.00
8,810.0	84.00	91.63	8,719.9	-4.9	171.0	171.0	30.00	30.00	0.00
8,820.0	87.00	91.63	8,720.7	-5.1	180.9	181.0	30.00	30.00	0.00
8,830.0	90.00	91.63	8,721.0	-5.4	190.9	191.0	30.00	30.00	0.00
EOC - Hold to TD									
8,900.0	90.00	91.63	8,721.0	-7.4	260.9	261.0	0.00	0.00	0.00
9,000.0	90.00	91.63	8,721.0	-10.3	360.8	361.0	0.00	0.00	0.00
9,100.0	90.00	91.63	8,721.0	-13.1	460.8	461.0	0.00	0.00	0.00
9,200.0	90.00	91.63	8,721.0	-16.0	560.8	561.0	0.00	0.00	0.00
9,300.0	90.00	91.63	8,721.0	-18.8	660.7	661.0	0.00	0.00	0.00
9,400.0	90.00	91.63	8,721.0	-21.6	760.7	761.0	0.00	0.00	0.00
9,500.0	90.00	91.63	8,721.0	-24.5	860.6	861.0	0.00	0.00	0.00
9,600.0	90.00	91.63	8,721.0	-27.3	960.6	961.0	0.00	0.00	0.00
9,700.0	90.00	91.63	8,721.0	-30.2	1,060.6	1,061.0	0.00	0.00	0.00
9,800.0	90.00	91.63	8,721.0	-33.0	1,160.5	1,161.0	0.00	0.00	0.00
9,900.0	90.00	91.63	8,721.0	-35.9	1,260.5	1,261.0	0.00	0.00	0.00
10,000.0	90.00	91.63	8,721.0	-38.7	1,360.4	1,361.0	0.00	0.00	0.00
10,100.0	90.00	91.63	8,721.0	-41.6	1,460.4	1,461.0	0.00	0.00	0.00
10,200.0	90.00	91.63	8,721.0	-44.4	1,560.4	1,561.0	0.00	0.00	0.00
10,300.0	90.00	91.63	8,721.0	-47.2	1,660.3	1,661.0	0.00	0.00	0.00
10,400.0	90.00	91.63	8,721.0	-50.1	1,760.3	1,761.0	0.00	0.00	0.00
10,500.0	90.00	91.63	8,721.0	-52.9	1,860.2	1,861.0	0.00	0.00	0.00
10,600.0	90.00	91.63	8,721.0	-55.8	1,960.2	1,961.0	0.00	0.00	0.00
10,700.0	90.00	91.63	8,721.0	-58.6	2,060.2	2,061.0	0.00	0.00	0.00
10,800.0	90.00	91.63	8,721.0	-61.5	2,160.1	2,161.0	0.00	0.00	0.00
10,900.0	90.00	91.63	8,721.0	-64.3	2,260.1	2,261.0	0.00	0.00	0.00
11,000.0	90.00	91.63	8,721.0	-67.2	2,360.0	2,361.0	0.00	0.00	0.00
11,100.0	90.00	91.63	8,721.0	-70.0	2,460.0	2,461.0	0.00	0.00	0.00
11,200.0	90.00	91.63	8,721.0	-72.8	2,559.9	2,561.0	0.00	0.00	0.00
11,300.0	90.00	91.63	8,721.0	-75.7	2,659.9	2,661.0	0.00	0.00	0.00
11,400.0	90.00	91.63	8,721.0	-78.5	2,759.9	2,761.0	0.00	0.00	0.00
11,500.0	90.00	91.63	8,721.0	-81.4	2,859.8	2,861.0	0.00	0.00	0.00
11,600.0	90.00	91.63	8,721.0	-84.2	2,959.8	2,961.0	0.00	0.00	0.00
11,700.0	90.00	91.63	8,721.0	-87.1	3,059.7	3,061.0	0.00	0.00	0.00
11,800.0	90.00	91.63	8,721.0	-89.9	3,159.7	3,161.0	0.00	0.00	0.00
11,900.0	90.00	91.63	8,721.0	-92.8	3,259.7	3,261.0	0.00	0.00	0.00
12,000.0	90.00	91.63	8,721.0	-95.6	3,359.6	3,361.0	0.00	0.00	0.00
12,100.0	90.00	91.63	8,721.0	-98.4	3,459.6	3,461.0	0.00	0.00	0.00
12,200.0	90.00	91.63	8,721.0	-101.3	3,559.5	3,561.0	0.00	0.00	0.00
12,300.0	90.00	91.63	8,721.0	-104.1	3,659.5	3,661.0	0.00	0.00	0.00
12,400.0	90.00	91.63	8,721.0	-107.0	3,759.5	3,761.0	0.00	0.00	0.00
12,500.0	90.00	91.63	8,721.0	-109.8	3,859.4	3,861.0	0.00	0.00	0.00
12,600.0	90.00	91.63	8,721.0	-112.7	3,959.4	3,961.0	0.00	0.00	0.00
12,700.0	90.00	91.63	8,721.0	-115.5	4,059.3	4,061.0	0.00	0.00	0.00
12,800.0	90.00	91.63	8,721.0	-118.4	4,159.3	4,161.0	0.00	0.00	0.00
12,900.0	90.00	91.63	8,721.0	-121.2	4,259.3	4,261.0	0.00	0.00	0.00
13,000.0	90.00	91.63	8,721.0	-124.0	4,359.2	4,361.0	0.00	0.00	0.00



Great White Directional Services

Planning Report



Database: EDM 5000.1 Single User Db
Company: Cimarex Energy Co.
Project: Chaves County
Site: Sec 29 - T15S - R31E
Well: Nassau 29 State Com #2
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference: Well Nassau 29 State Com #2
TVD Reference: WELL (copy) @ 0.0usft (Original Well Elev)
MD Reference: WELL (copy) @ 0.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,100.0	90.00	91.63	8,721.0	-126.9	4,459.2	4,461.0	0.00	0.00	0.00
13,200.0	90.00	91.63	8,721.0	-129.7	4,559.1	4,561.0	0.00	0.00	0.00
13,228.5	90.00	91.63	8,721.0	-130.5	4,587.6	4,589.4	0.00	0.00	0.00

Nassau #1 PBHL - Nassau #2 PBHL

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Nassau #1 PBHL	0.00	0.00	8,720.0	1,188.2	4,625.1	725,091.82	693,665.47	32° 59' 32.252 N	103° 50' 11.441 W
- plan misses target center by 1319.3usft at 13228.5usft MD (8721.0 TVD, -130.5 N, 4587.6 E)									
- Point									
Nassau #2 PBHL	0.00	0.00	8,720.0	-131.4	4,630.8	723,772.19	693,671.17	32° 59' 19.195 N	103° 50' 11.447 W
- plan misses target center by 43.2usft at 13228.5usft MD (8721.0 TVD, -130.5 N, 4587.6 E)									
- Point									

Plan Annotations

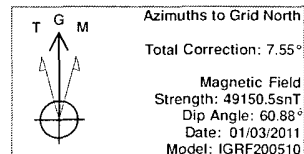
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,530.0	8,530.0	0.0	0.0	KOP 30/100 DLS @ 91.63 AZI
8,830.0	8,721.0	-5.4	190.9	EOC - Hold to TD
13,271.2				TD at 13271.3



Cimarex Energy Co.
Project: Chaves County
Site: Sec 29 - T15S - R31E
Well: Nassau 29 State Com #2
Wellbore: Wellbore #1

WELL DETAILS: Nassau 29 State Com #2

+N/-S	+E/-W	North	Ground Level:	0.0	Latitude	Longitude
0.0	0.0	723903.63	Easting	689040.36	32° 59' 20.708 N	103° 51' 5.809 W
SHL: 1830' FNL / 330' FWL						
BHL: 1980' FNL / 330' FEL						

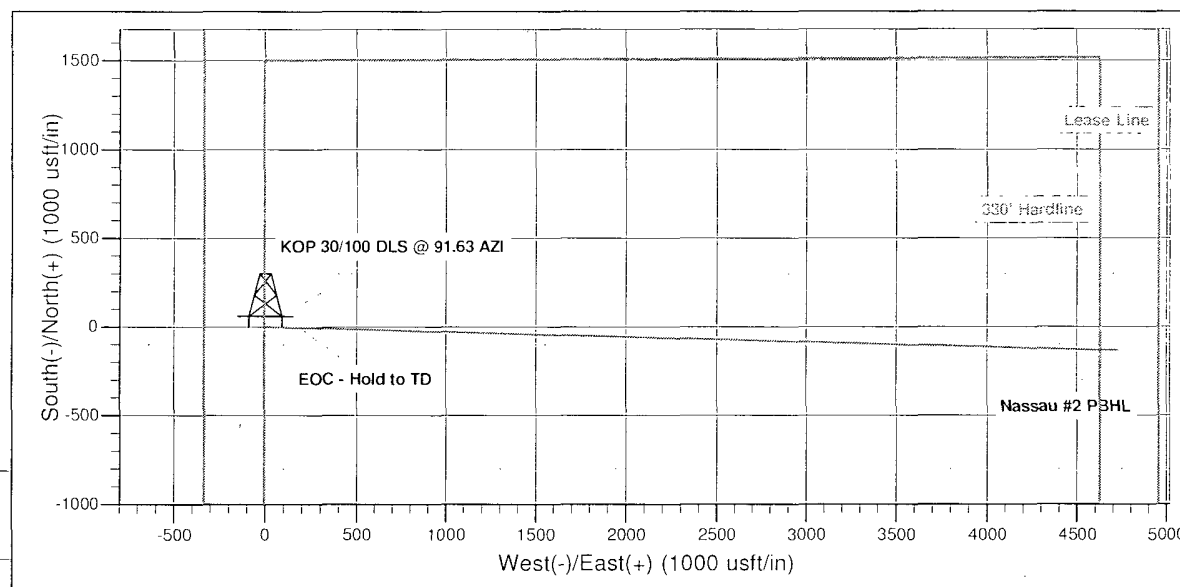
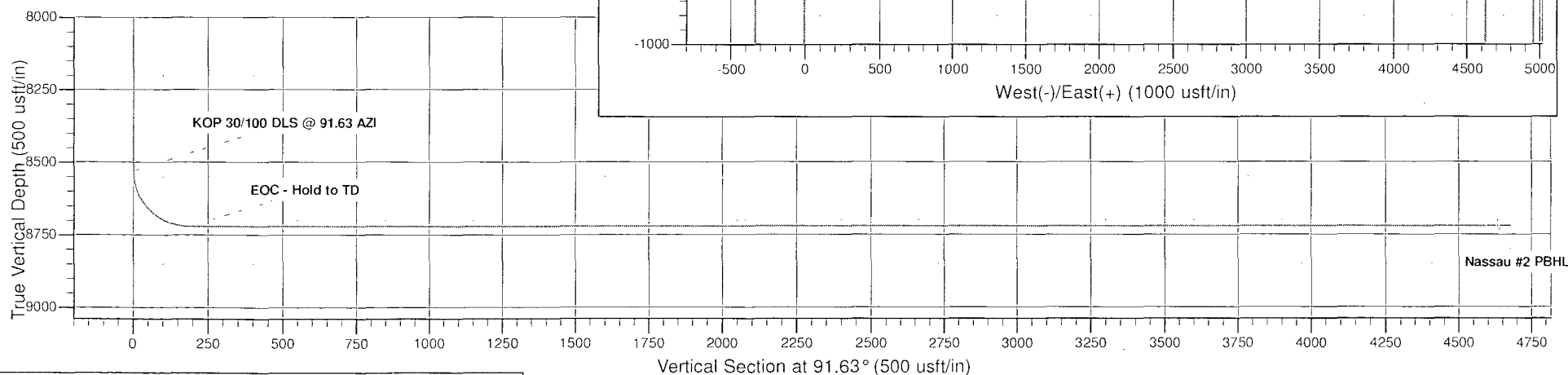


WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
Nassau #2 PBHL	8720.0	-131.4	4630.8	32° 59' 19.195 N	103° 50' 11.447 W

SECTION DETAILS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
8530.0	8530.0	0.00	0.00	0.0	0.0	0.0	0.0	KOP 30/100 DLS @ 91.63 AZI
8721.0	8830.0	90.00	91.63	-5.4	190.9	191.0	191.0	EOC - Hold to TD
	13271.2							TD at 13271.3



Plan: Plan #1 (Nassau 29 State Com #2/Wellbore #1)

Created By: Aaron Pullin

Date: 14:31, January 03 2011