

30-005-29134



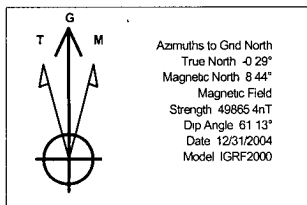
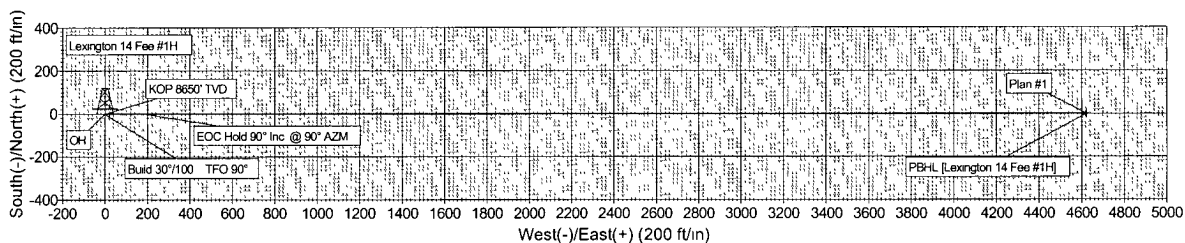
Project Chaves Co. New Mexico
 Site Lexington 14 Fee #1H
 Well Lexington 14 Fee #1H
 Wellbore Lateral #1
 Plan Plan #1 (Lexington 14 Fee #1H Lateral #1)



PROJECT DETAILS Chaves Co., New Mexico
 Geodetic System US State Plane 1927 (Exact solution)
 Datum NAD 1927 (NADCON CONUS)
 Ellipsoid Clarke 1866
 Zone New Mexico East 3001
 System Datum Mean Sea Level

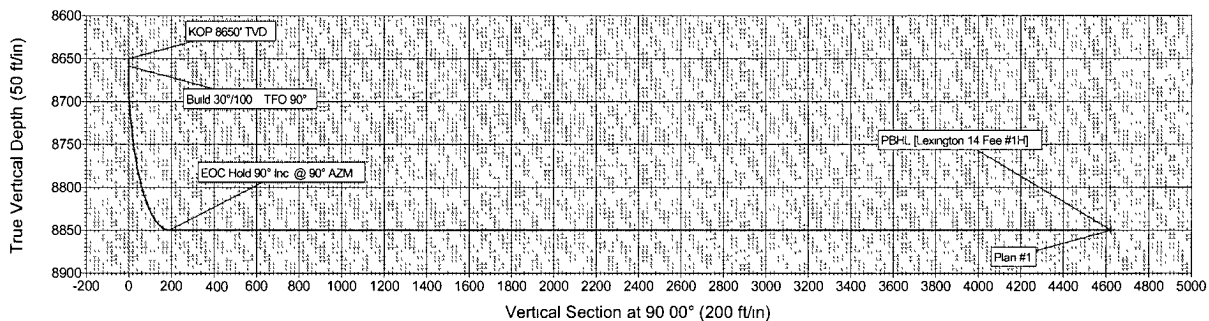
ANNOTATIONS

TVD	MD	Annotation
8650 00	8650 00	KOP 8650' TVD
8659 01	8659 01	Build 30'/100' TFO 90°
8850 00	8959 01	EOC Hold 90° Inc @ 90° AZM



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	8650 00	0 00	0 00	8650 00	0 00	0 00	0 00	0 00	0 00	
2	8659 01	0 00	0 00	8659 01	0 00	0 00	0 00	0 00	0 00	
3	8959 01	90 00	90 00	8850 00	0 00	190 99	30 00	90 00	0 00	
4	13392 33	90 00	90 00	8850 00	0 00	4624 30	0 00	0 00	0 00	PBHL (Lexington 14 Fee #1H)



Plan Plan #1 (Lexington 14 Fee #1H Lateral #1)
 Created By Heather Vannoy Date December 27 2007

Lexington 14 Fee #1H Lateral #1 Plan #1 Report 12-27-07.txt
 Cimarex Energy Co., Inc.
 Lexington 14 Fee #1H - Plan #1

Chaves Co., New Mexico
 Lexington 14 Fee #1H

Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
8650.00	0.000	0.000	8650.00	0.00 N	0.00 E	0.00
0.00						
8659.01	0.000	0.000	8659.01	0.00 N	0.00 E	0.00
0.00						
8670.00	3.296	90.000	8669.99	0.00 N	0.32 E	0.32
30.00						
8700.00	12.296	90.000	8699.69	0.00 N	4.38 E	4.38
30.00						
8730.00	21.296	90.000	8728.38	0.00 N	13.04 E	13.04
30.00						
8760.00	30.296	90.000	8755.36	0.00 N	26.08 E	26.08
30.00						
8790.00	39.296	90.000	8779.97	0.00 N	43.18 E	43.18
30.00						
8820.00	48.296	90.000	8801.60	0.00 N	63.93 E	63.93
30.00						
8850.00	57.296	90.000	8819.72	0.00 N	87.80 E	87.80
30.00						
8880.00	66.296	90.000	8833.89	0.00 N	114.21 E	114.21
30.00						
8910.00	75.296	90.000	8843.74	0.00 N	142.51 E	142.51
30.00						
8940.00	84.296	90.000	8849.05	0.00 N	172.00 E	172.00
30.00						
8959.01	90.000	90.000	8850.00	0.00 N	190.99 E	190.99
30.00						
8970.00	90.000	90.000	8850.00	0.00 N	201.97 E	201.97
0.00						
9000.00	90.000	90.000	8850.00	0.00 N	231.97 E	231.97
0.00						
9030.00	90.000	90.000	8850.00	0.00 N	261.97 E	261.97
0.00						
9060.00	90.000	90.000	8850.00	0.00 N	291.97 E	291.97
0.00						
9090.00	90.000	90.000	8850.00	0.00 N	321.97 E	321.97
0.00						
9120.00	90.000	90.000	8850.00	0.00 N	351.97 E	351.97
0.00						
9150.00	90.000	90.000	8850.00	0.00 N	381.97 E	381.97
0.00						
9180.00	90.000	90.000	8850.00	0.00 N	411.97 E	411.97
0.00						
9210.00	90.000	90.000	8850.00	0.00 N	441.97 E	441.97
0.00						
9240.00	90.000	90.000	8850.00	0.00 N	471.97 E	471.97
0.00						
9270.00	90.000	90.000	8850.00	0.00 N	501.97 E	501.97
0.00						
9300.00	90.000	90.000	8850.00	0.00 N	531.97 E	531.97
0.00						

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9330.00	90.000	90.000	8850.00	0.00 N	561.97 E	561.97
0.00						
9360.00	90.000	90.000	8850.00	0.00 N	591.97 E	591.97
0.00						
9390.00	90.000	90.000	8850.00	0.00 N	621.97 E	621.97
0.00						
9420.00	90.000	90.000	8850.00	0.00 N	651.97 E	651.97
0.00						
9450.00	90.000	90.000	8850.00	0.00 N	681.97 E	681.97
0.00						
9480.00	90.000	90.000	8850.00	0.00 N	711.97 E	711.97
0.00						
9510.00	90.000	90.000	8850.00	0.00 N	741.97 E	741.97
0.00						
9540.00	90.000	90.000	8850.00	0.00 N	771.97 E	771.97
0.00						
9570.00	90.000	90.000	8850.00	0.00 N	801.97 E	801.97
0.00						
9600.00	90.000	90.000	8850.00	0.00 N	831.97 E	831.97
0.00						
9630.00	90.000	90.000	8850.00	0.00 N	861.97 E	861.97
0.00						
9660.00	90.000	90.000	8850.00	0.00 N	891.97 E	891.97
0.00						
9690.00	90.000	90.000	8850.00	0.00 N	921.97 E	921.97
0.00						
9720.00	90.000	90.000	8850.00	0.00 N	951.97 E	951.97
0.00						
9750.00	90.000	90.000	8850.00	0.00 N	981.97 E	981.97
0.00						
9780.00	90.000	90.000	8850.00	0.00 N	1011.97 E	1011.97
0.00						
9810.00	90.000	90.000	8850.00	0.00 N	1041.97 E	1041.97
0.00						
9840.00	90.000	90.000	8850.00	0.00 N	1071.97 E	1071.97
0.00						
9870.00	90.000	90.000	8850.00	0.00 N	1101.97 E	1101.97
0.00						
9900.00	90.000	90.000	8850.00	0.00 N	1131.97 E	1131.97
0.00						
9930.00	90.000	90.000	8850.00	0.00 N	1161.97 E	1161.97
0.00						
9960.00	90.000	90.000	8850.00	0.00 N	1191.97 E	1191.97
0.00						
9990.00	90.000	90.000	8850.00	0.00 N	1221.97 E	1221.97
0.00						
10020.00	90.000	90.000	8850.00	0.00 N	1251.97 E	1251.97
0.00						
10050.00	90.000	90.000	8850.00	0.00 N	1281.97 E	1281.97
0.00						
10080.00	90.000	90.000	8850.00	0.00 N	1311.97 E	1311.97
0.00						
10110.00	90.000	90.000	8850.00	0.00 N	1341.97 E	1341.97
0.00						
10140.00	90.000	90.000	8850.00	0.00 N	1371.97 E	1371.97
0.00						
10170.00	90.000	90.000	8850.00	0.00 N	1401.97 E	1401.97
0.00						
10200.00	90.000	90.000	8850.00	0.00 N	1431.97 E	1431.97
0.00						
10230.00	90.000	90.000	8850.00	0.00 N	1461.97 E	1461.97
0.00						
10260.00	90.000	90.000	8850.00	0.00 N	1491.97 E	1491.97

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0.00							
10290.00	90.000	90.000	8850.00	0.00 N	1521.97 E	1521.97	
0.00							
10320.00	90.000	90.000	8850.00	0.00 N	1551.97 E	1551.97	
0.00							
10350.00	90.000	90.000	8850.00	0.00 N	1581.97 E	1581.97	
0.00							
10380.00	90.000	90.000	8850.00	0.00 N	1611.97 E	1611.97	
0.00							
10410.00	90.000	90.000	8850.00	0.00 N	1641.97 E	1641.97	
0.00							
10440.00	90.000	90.000	8850.00	0.00 N	1671.97 E	1671.97	
0.00							
10470.00	90.000	90.000	8850.00	0.00 N	1701.97 E	1701.97	
0.00							
10500.00	90.000	90.000	8850.00	0.00 N	1731.97 E	1731.97	
0.00							
10530.00	90.000	90.000	8850.00	0.00 N	1761.97 E	1761.97	
0.00							
10560.00	90.000	90.000	8850.00	0.00 N	1791.97 E	1791.97	
0.00							
10590.00	90.000	90.000	8850.00	0.00 N	1821.97 E	1821.97	
0.00							
10620.00	90.000	90.000	8850.00	0.00 N	1851.97 E	1851.97	
0.00							
10650.00	90.000	90.000	8850.00	0.00 N	1881.97 E	1881.97	
0.00							
10680.00	90.000	90.000	8850.00	0.00 N	1911.97 E	1911.97	
0.00							
10710.00	90.000	90.000	8850.00	0.00 N	1941.97 E	1941.97	
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10740.00	90.000	90.000	8850.00	0.00 N	1971.97 E	1971.97	
0.00							
10770.00	90.000	90.000	8850.00	0.00 N	2001.97 E	2001.97	
0.00							
10800.00	90.000	90.000	8850.00	0.00 N	2031.97 E	2031.97	
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10830.00	90.000	90.000	8850.00	0.00 N	2061.97 E	2061.97	
0.00							
10860.00	90.000	90.000	8850.00	0.00 N	2091.97 E	2091.97	
0.00							
10890.00	90.000	90.000	8850.00	0.00 N	2121.97 E	2121.97	
0.00							
10920.00	90.000	90.000	8850.00	0.00 N	2151.97 E	2151.97	
0.00							
10950.00	90.000	90.000	8850.00	0.00 N	2181.97 E	2181.97	
0.00							
10980.00	90.000	90.000	8850.00	0.00 N	2211.97 E	2211.97	
0.00							
11010.00	90.000	90.000	8850.00	0.00 N	2241.97 E	2241.97	
0.00							
11040.00	90.000	90.000	8850.00	0.00 N	2271.97 E	2271.97	
0.00							
11070.00	90.000	90.000	8850.00	0.00 N	2301.97 E	2301.97	
0.00							
11100.00	90.000	90.000	8850.00	0.00 N	2331.97 E	2331.97	
0.00							
11130.00	90.000	90.000	8850.00	0.00 N	2361.97 E	2361.97	
0.00							
11160.00	90.000	90.000	8850.00	0.00 N	2391.97 E	2391.97	
0.00							
11190.00	90.000	90.000	8850.00	0.00 N	2421.97 E	2421.97	
0.00							

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11220.00	90.000	90.000	8850.00	0.00 N	2451.97 E	2451.97
0.00						
11250.00	90.000	90.000	8850.00	0.00 N	2481.97 E	2481.97
0.00						
11280.00	90.000	90.000	8850.00	0.00 N	2511.97 E	2511.97
0.00						
11310.00	90.000	90.000	8850.00	0.00 N	2541.97 E	2541.97
0.00						
11340.00	90.000	90.000	8850.00	0.00 N	2571.97 E	2571.97
0.00						
11370.00	90.000	90.000	8850.00	0.00 N	2601.97 E	2601.97
0.00						
11400.00	90.000	90.000	8850.00	0.00 N	2631.97 E	2631.97
0.00						
11430.00	90.000	90.000	8850.00	0.00 N	2661.97 E	2661.97
0.00						
11460.00	90.000	90.000	8850.00	0.00 N	2691.97 E	2691.97
0.00						
11490.00	90.000	90.000	8850.00	0.00 N	2721.97 E	2721.97
0.00						
11520.00	90.000	90.000	8850.00	0.00 N	2751.97 E	2751.97
0.00						
11550.00	90.000	90.000	8850.00	0.00 N	2781.97 E	2781.97
0.00						
11580.00	90.000	90.000	8850.00	0.00 N	2811.97 E	2811.97
0.00						
11610.00	90.000	90.000	8850.00	0.00 N	2841.97 E	2841.97
0.00						
11640.00	90.000	90.000	8850.00	0.00 N	2871.97 E	2871.97
0.00						
11670.00	90.000	90.000	8850.00	0.00 N	2901.97 E	2901.97
0.00						
11700.00	90.000	90.000	8850.00	0.00 N	2931.97 E	2931.97
0.00						
11730.00	90.000	90.000	8850.00	0.00 N	2961.97 E	2961.97
0.00						
11760.00	90.000	90.000	8850.00	0.00 N	2991.97 E	2991.97
0.00						
11790.00	90.000	90.000	8850.00	0.00 N	3021.97 E	3021.97
0.00						
11820.00	90.000	90.000	8850.00	0.00 N	3051.97 E	3051.97
0.00						
11850.00	90.000	90.000	8850.00	0.00 N	3081.97 E	3081.97
0.00						
11880.00	90.000	90.000	8850.00	0.00 N	3111.97 E	3111.97
0.00						
11910.00	90.000	90.000	8850.00	0.00 N	3141.97 E	3141.97
0.00						
11940.00	90.000	90.000	8850.00	0.00 N	3171.97 E	3171.97
0.00						
11970.00	90.000	90.000	8850.00	0.00 N	3201.97 E	3201.97
0.00						
12000.00	90.000	90.000	8850.00	0.00 N	3231.97 E	3231.97
0.00						
12030.00	90.000	90.000	8850.00	0.00 N	3261.97 E	3261.97
0.00						
12060.00	90.000	90.000	8850.00	0.00 N	3291.97 E	3291.97
0.00						
12090.00	90.000	90.000	8850.00	0.00 N	3321.97 E	3321.97
0.00						
12120.00	90.000	90.000	8850.00	0.00 N	3351.97 E	3351.97
0.00						
12150.00	90.000	90.000	8850.00	0.00 N	3381.97 E	3381.97

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0.00							
12180.00	90.000	90.000	8850.00	0.00 N	3411.97 E	3411.97	
0.00							
12210.00	90.000	90.000	8850.00	0.00 N	3441.97 E	3441.97	
0.00							
12240.00	90.000	90.000	8850.00	0.00 N	3471.97 E	3471.97	
0.00							
12270.00	90.000	90.000	8850.00	0.00 N	3501.97 E	3501.97	
0.00							
12300.00	90.000	90.000	8850.00	0.00 N	3531.97 E	3531.97	
0.00							
12330.00	90.000	90.000	8850.00	0.00 N	3561.97 E	3561.97	
0.00							
12360.00	90.000	90.000	8850.00	0.00 N	3591.97 E	3591.97	
0.00							
12390.00	90.000	90.000	8850.00	0.00 N	3621.97 E	3621.97	
0.00							
12420.00	90.000	90.000	8850.00	0.00 N	3651.97 E	3651.97	
0.00							
12450.00	90.000	90.000	8850.00	0.00 N	3681.97 E	3681.97	
0.00							
12480.00	90.000	90.000	8850.00	0.00 N	3711.97 E	3711.97	
0.00							
12510.00	90.000	90.000	8850.00	0.00 N	3741.97 E	3741.97	
0.00							
12540.00	90.000	90.000	8850.00	0.00 N	3771.97 E	3771.97	
0.00							
12570.00	90.000	90.000	8850.00	0.00 N	3801.97 E	3801.97	
0.00							
12600.00	90.000	90.000	8850.00	0.00 N	3831.97 E	3831.97	
0.00							
12630.00	90.000	90.000	8850.00	0.00 N	3861.97 E	3861.97	
0.00							
12660.00	90.000	90.000	8850.00	0.00 N	3891.97 E	3891.97	
0.00							
12690.00	90.000	90.000	8850.00	0.00 N	3921.97 E	3921.97	
0.00							
12720.00	90.000	90.000	8850.00	0.00 N	3951.97 E	3951.97	
0.00							
12750.00	90.000	90.000	8850.00	0.00 N	3981.97 E	3981.97	
0.00							
12780.00	90.000	90.000	8850.00	0.00 N	4011.97 E	4011.97	
0.00							
12810.00	90.000	90.000	8850.00	0.00 N	4041.97 E	4041.97	
0.00							
12840.00	90.000	90.000	8850.00	0.00 N	4071.97 E	4071.97	
0.00							
12870.00	90.000	90.000	8850.00	0.00 N	4101.97 E	4101.97	
0.00							
12900.00	90.000	90.000	8850.00	0.00 N	4131.97 E	4131.97	
0.00							
12930.00	90.000	90.000	8850.00	0.00 N	4161.97 E	4161.97	
0.00							
12960.00	90.000	90.000	8850.00	0.00 N	4191.97 E	4191.97	
0.00							
12990.00	90.000	90.000	8850.00	0.00 N	4221.97 E	4221.97	
0.00							
13020.00	90.000	90.000	8850.00	0.00 N	4251.97 E	4251.97	
0.00							
13050.00	90.000	90.000	8850.00	0.00 N	4281.97 E	4281.97	
0.00							
13080.00	90.000	90.000	8850.00	0.00 N	4311.97 E	4311.97	
0.00							

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13110.00	90.000	90.000	8850.00	0.00 N	4341.97 E	4341.97	
0.00							
13140.00	90.000	90.000	8850.00	0.00 N	4371.97 E	4371.97	
0.00							
13170.00	90.000	90.000	8850.00	0.00 N	4401.97 E	4401.97	
0.00							
13200.00	90.000	90.000	8850.00	0.00 N	4431.97 E	4431.97	
0.00							
13230.00	90.000	90.000	8850.00	0.00 N	4461.97 E	4461.97	
0.00							
13260.00	90.000	90.000	8850.00	0.00 N	4491.97 E	4491.97	
0.00							
13290.00	90.000	90.000	8850.00	0.00 N	4521.97 E	4521.97	
0.00							
13320.00	90.000	90.000	8850.00	0.00 N	4551.97 E	4551.97	
0.00							
13350.00	90.000	90.000	8850.00	0.00 N	4581.97 E	4581.97	
0.00							
13380.00	90.000	90.000	8850.00	0.00 N	4611.97 E	4611.97	
0.00							
13392.33	90.000	90.000	8850.00	0.00 N	4624.30 E	4624.30	
0.00							

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to WELL. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Site and calculated along an Azimuth of 90.000° (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), New Mexico East 3001.
Central meridian is -104.333°.
Grid Convergence at Surface is 0.291°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 13392.33ft., the Bottom Hole Displacement is 4624.30ft., in the Direction of 90.000° (Grid).