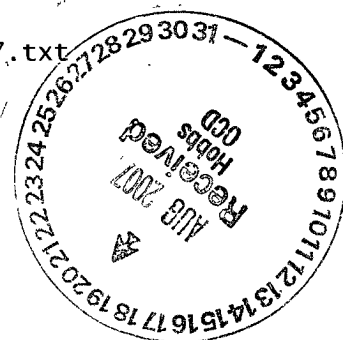


Cimarex Energy Co., Inc.
Princeton 6 Fee #1H - Plan #1

Lea County (NAD 83)
Princeton 6 Fee #1H
Your Ref:



Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
9220.00	1.796	179.219	9220.00	0.09 S	0.00 E	0.09
0.00						
9230.00	4.796	179.219	9229.98	0.67 S	0.01 E	0.67
30.00						
9240.00	7.796	179.219	9239.92	1.77 S	0.02 E	1.77
30.00						
9250.00	10.796	179.219	9249.79	3.38 S	0.05 E	3.38
30.00						
9260.00	13.796	179.219	9259.56	5.51 S	0.08 E	5.51
30.00						
9270.00	16.796	179.219	9269.20	8.15 S	0.11 E	8.15
30.00						
9280.00	19.796	179.219	9278.69	11.29 S	0.15 E	11.29
30.00						
9290.00	22.796	179.219	9288.01	14.92 S	0.20 E	14.92
30.00						
9300.00	25.796	179.219	9297.12	19.03 S	0.26 E	19.03
30.00						
9310.00	28.796	179.219	9306.01	23.61 S	0.32 E	23.62
30.00						
9320.00	31.796	179.219	9314.64	28.66 S	0.39 E	28.66
30.00						
9330.00	34.796	179.219	9323.00	34.15 S	0.47 E	34.15
30.00						
9340.00	37.796	179.219	9331.06	40.07 S	0.55 E	40.07
30.00						
9350.00	40.796	179.219	9338.80	46.40 S	0.63 E	46.40
30.00						
9360.00	43.796	179.219	9346.19	53.13 S	0.72 E	53.13
30.00						
9370.00	46.796	179.219	9353.23	60.23 S	0.82 E	60.24
30.00						
9380.00	49.796	179.219	9359.88	67.70 S	0.92 E	67.70
30.00						
9390.00	52.796	179.219	9366.13	75.50 S	1.03 E	75.50
30.00						
9400.00	55.796	179.219	9371.97	83.62 S	1.14 E	83.62
30.00						
9410.00	58.796	179.219	9377.37	92.03 S	1.25 E	92.04
30.00						
9420.00	61.796	179.219	9382.32	100.71 S	1.37 E	100.72
30.00						
9430.00	64.796	179.219	9386.82	109.65 S	1.49 E	109.66
30.00						
9440.00	67.796	179.219	9390.84	118.80 S	1.62 E	118.81

Princeton 6 Fee #1H Lateral Plan #1 Report 8-7-07.txt

30.00							
9450.00	70.796	179.219	9394.37	128.15 S	1.75 E	128.16	
30.00							
9460.00	73.796	179.219	9397.41	137.68 S	1.88 E	137.69	
30.00							
9470.00	76.796	179.219	9399.95	147.35 S	2.01 E	147.36	
30.00							
9480.00	79.796	179.219	9401.98	157.14 S	2.14 E	157.15	
30.00							
9490.00	82.796	179.219	9403.49	167.02 S	2.28 E	167.04	
30.00							
9500.00	85.796	179.219	9404.49	176.97 S	2.41 E	176.98	
30.00							
9510.00	88.796	179.219	9404.96	186.95 S	2.55 E	186.97	
30.00							
9520.00	90.000	179.219	9405.00	196.95 S	2.68 E	196.97	
12.04							
9530.00	90.000	179.219	9405.00	206.95 S	2.82 E	206.97	
0.00							
9540.00	90.000	179.219	9405.00	216.95 S	2.96 E	216.97	
0.00							
9550.00	90.000	179.219	9405.00	226.95 S	3.09 E	226.97	
0.00							
9560.00	90.000	179.219	9405.00	236.95 S	3.23 E	236.97	
0.00							
9570.00	90.000	179.219	9405.00	246.95 S	3.37 E	246.97	
0.00							
9580.00	90.000	179.219	9405.00	256.95 S	3.50 E	256.97	
0.00							
9590.00	90.000	179.219	9405.00	266.95 S	3.64 E	266.97	
0.00							
9600.00	90.000	179.219	9405.00	276.95 S	3.77 E	276.97	
0.00							
9610.00	90.000	179.219	9405.00	286.95 S	3.91 E	286.97	
0.00							
9620.00	90.000	179.219	9405.00	296.94 S	4.05 E	296.97	
0.00							
9630.00	90.000	179.219	9405.00	306.94 S	4.18 E	306.97	
0.00							
9640.00	90.000	179.219	9405.00	316.94 S	4.32 E	316.97	
0.00							
9650.00	90.000	179.219	9405.00	326.94 S	4.46 E	326.97	
0.00							
9660.00	90.000	179.219	9405.00	336.94 S	4.59 E	336.97	
0.00							
9670.00	90.000	179.219	9405.00	346.94 S	4.73 E	346.97	
0.00							
9680.00	90.000	179.219	9405.00	356.94 S	4.86 E	356.97	
0.00							
9690.00	90.000	179.219	9405.00	366.94 S	5.00 E	366.97	
0.00							
9700.00	90.000	179.219	9405.00	376.94 S	5.14 E	376.97	
0.00							
9710.00	90.000	179.219	9405.00	386.94 S	5.27 E	386.97	
0.00							
9720.00	90.000	179.219	9405.00	396.94 S	5.41 E	396.97	
0.00							
9730.00	90.000	179.219	9405.00	406.93 S	5.55 E	406.97	
0.00							
9740.00	90.000	179.219	9405.00	416.93 S	5.68 E	416.97	
0.00							
9750.00	90.000	179.219	9405.00	426.93 S	5.82 E	426.97	
0.00							

	Princeton 6 Fee #1H Lateral Plan #1 Report 8-7-07.txt					
9760.00	90.000	179.219	9405.00	436.93 S	5.95 E	436.97
0.00						
9770.00	90.000	179.219	9405.00	446.93 S	6.09 E	446.97
0.00						
9780.00	90.000	179.219	9405.00	456.93 S	6.23 E	456.97
0.00						
9790.00	90.000	179.219	9405.00	466.93 S	6.36 E	466.97
0.00						
9800.00	90.000	179.219	9405.00	476.93 S	6.50 E	476.97
0.00						
9810.00	90.000	179.219	9405.00	486.93 S	6.64 E	486.97
0.00						
9820.00	90.000	179.219	9405.00	496.93 S	6.77 E	496.97
0.00						
9830.00	90.000	179.219	9405.00	506.92 S	6.91 E	506.97
0.00						
9840.00	90.000	179.219	9405.00	516.92 S	7.04 E	516.97
0.00						
9850.00	90.000	179.219	9405.00	526.92 S	7.18 E	526.97
0.00						
9860.00	90.000	179.219	9405.00	536.92 S	7.32 E	536.97
0.00						
9870.00	90.000	179.219	9405.00	546.92 S	7.45 E	546.97
0.00						
9880.00	90.000	179.219	9405.00	556.92 S	7.59 E	556.97
0.00						
9890.00	90.000	179.219	9405.00	566.92 S	7.73 E	566.97
0.00						
9900.00	90.000	179.219	9405.00	576.92 S	7.86 E	576.97
0.00						
9910.00	90.000	179.219	9405.00	586.92 S	8.00 E	586.97
0.00						
9920.00	90.000	179.219	9405.00	596.92 S	8.13 E	596.97
0.00						
9930.00	90.000	179.219	9405.00	606.92 S	8.27 E	606.97
0.00						
9940.00	90.000	179.219	9405.00	616.91 S	8.41 E	616.97
0.00						
9950.00	90.000	179.219	9405.00	626.91 S	8.54 E	626.97
0.00						
9960.00	90.000	179.219	9405.00	636.91 S	8.68 E	636.97
0.00						
9970.00	90.000	179.219	9405.00	646.91 S	8.82 E	646.97
0.00						
9980.00	90.000	179.219	9405.00	656.91 S	8.95 E	656.97
0.00						
9990.00	90.000	179.219	9405.00	666.91 S	9.09 E	666.97
0.00						
10000.00	90.000	179.219	9405.00	676.91 S	9.23 E	676.97
0.00						
10010.00	90.000	179.219	9405.00	686.91 S	9.36 E	686.97
0.00						
10020.00	90.000	179.219	9405.00	696.91 S	9.50 E	696.97
0.00						
10030.00	90.000	179.219	9405.00	706.91 S	9.63 E	706.97
0.00						
10040.00	90.000	179.219	9405.00	716.91 S	9.77 E	716.97
0.00						
10050.00	90.000	179.219	9405.00	726.90 S	9.91 E	726.97
0.00						
10060.00	90.000	179.219	9405.00	736.90 S	10.04 E	736.97
0.00						
10070.00	90.000	179.219	9405.00	746.90 S	10.18 E	746.97

Princeton 6 Fee #1H Lateral Plan #1 Report 8-7-07.txt

0.00							
10080.00	90.000	179.219	9405.00	756.90 S	10.32 E	756.97	
0.00							
10090.00	90.000	179.219	9405.00	766.90 S	10.45 E	766.97	
0.00							
10100.00	90.000	179.219	9405.00	776.90 S	10.59 E	776.97	
0.00							
10110.00	90.000	179.219	9405.00	786.90 S	10.72 E	786.97	
0.00							
10120.00	90.000	179.219	9405.00	796.90 S	10.86 E	796.97	
0.00							
10130.00	90.000	179.219	9405.00	806.90 S	11.00 E	806.97	
0.00							
10140.00	90.000	179.219	9405.00	816.90 S	11.13 E	816.97	
0.00							
10150.00	90.000	179.219	9405.00	826.90 S	11.27 E	826.97	
0.00							
10160.00	90.000	179.219	9405.00	836.89 S	11.41 E	836.97	
0.00							
10170.00	90.000	179.219	9405.00	846.89 S	11.54 E	846.97	
0.00							
10180.00	90.000	179.219	9405.00	856.89 S	11.68 E	856.97	
0.00							
10190.00	90.000	179.219	9405.00	866.89 S	11.81 E	866.97	
0.00							
10200.00	90.000	179.219	9405.00	876.89 S	11.95 E	876.97	
0.00							
10210.00	90.000	179.219	9405.00	886.89 S	12.09 E	886.97	
0.00							
10220.00	90.000	179.219	9405.00	896.89 S	12.22 E	896.97	
0.00							
10230.00	90.000	179.219	9405.00	906.89 S	12.36 E	906.97	
0.00							
10240.00	90.000	179.219	9405.00	916.89 S	12.50 E	916.97	
0.00							
10250.00	90.000	179.219	9405.00	926.89 S	12.63 E	926.97	
0.00							
10260.00	90.000	179.219	9405.00	936.89 S	12.77 E	936.97	
0.00							
10270.00	90.000	179.219	9405.00	946.88 S	12.90 E	946.97	
0.00							
10280.00	90.000	179.219	9405.00	956.88 S	13.04 E	956.97	
0.00							
10290.00	90.000	179.219	9405.00	966.88 S	13.18 E	966.97	
0.00							
10300.00	90.000	179.219	9405.00	976.88 S	13.31 E	976.97	
0.00							
10310.00	90.000	179.219	9405.00	986.88 S	13.45 E	986.97	
0.00							
10320.00	90.000	179.219	9405.00	996.88 S	13.59 E	996.97	
0.00							
10330.00	90.000	179.219	9405.00	1006.88 S	13.72 E	1006.97	
0.00							
10340.00	90.000	179.219	9405.00	1016.88 S	13.86 E	1016.97	
0.00							
10350.00	90.000	179.219	9405.00	1026.88 S	13.99 E	1026.97	
0.00							
10360.00	90.000	179.219	9405.00	1036.88 S	14.13 E	1036.97	
0.00							
10370.00	90.000	179.219	9405.00	1046.87 S	14.27 E	1046.97	
0.00							
10380.00	90.000	179.219	9405.00	1056.87 S	14.40 E	1056.97	
0.00							

	Princeton 6	Fee #1H	Lateral	Plan #1	Report	8-7-07.txt	
10390.00	90.000	179.219	9405.00	1066.87	S	14.54 E	1066.97
0.00							
10400.00	90.000	179.219	9405.00	1076.87	S	14.68 E	1076.97
0.00							
10410.00	90.000	179.219	9405.00	1086.87	S	14.81 E	1086.97
0.00							
10420.00	90.000	179.219	9405.00	1096.87	S	14.95 E	1096.97
0.00							
10430.00	90.000	179.219	9405.00	1106.87	S	15.08 E	1106.97
0.00							
10440.00	90.000	179.219	9405.00	1116.87	S	15.22 E	1116.97
0.00							
10450.00	90.000	179.219	9405.00	1126.87	S	15.36 E	1126.97
0.00							
10460.00	90.000	179.219	9405.00	1136.87	S	15.49 E	1136.97
0.00							
10470.00	90.000	179.219	9405.00	1146.87	S	15.63 E	1146.97
0.00							
10480.00	90.000	179.219	9405.00	1156.86	S	15.77 E	1156.97
0.00							
10490.00	90.000	179.219	9405.00	1166.86	S	15.90 E	1166.97
0.00							
10500.00	90.000	179.219	9405.00	1176.86	S	16.04 E	1176.97
0.00							
10510.00	90.000	179.219	9405.00	1186.86	S	16.17 E	1186.97
0.00							
10520.00	90.000	179.219	9405.00	1196.86	S	16.31 E	1196.97
0.00							
10530.00	90.000	179.219	9405.00	1206.86	S	16.45 E	1206.97
0.00							
10540.00	90.000	179.219	9405.00	1216.86	S	16.58 E	1216.97
0.00							
10550.00	90.000	179.219	9405.00	1226.86	S	16.72 E	1226.97
0.00							
10560.00	90.000	179.219	9405.00	1236.86	S	16.86 E	1236.97
0.00							
10570.00	90.000	179.219	9405.00	1246.86	S	16.99 E	1246.97
0.00							
10580.00	90.000	179.219	9405.00	1256.86	S	17.13 E	1256.97
0.00							
10590.00	90.000	179.219	9405.00	1266.85	S	17.26 E	1266.97
0.00							
10600.00	90.000	179.219	9405.00	1276.85	S	17.40 E	1276.97
0.00							
10610.00	90.000	179.219	9405.00	1286.85	S	17.54 E	1286.97
0.00							
10620.00	90.000	179.219	9405.00	1296.85	S	17.67 E	1296.97
0.00							
10630.00	90.000	179.219	9405.00	1306.85	S	17.81 E	1306.97
0.00							
10640.00	90.000	179.219	9405.00	1316.85	S	17.95 E	1316.97
0.00							
10650.00	90.000	179.219	9405.00	1326.85	S	18.08 E	1326.97
0.00							
10660.00	90.000	179.219	9405.00	1336.85	S	18.22 E	1336.97
0.00							
10670.00	90.000	179.219	9405.00	1346.85	S	18.36 E	1346.97
0.00							
10680.00	90.000	179.219	9405.00	1356.85	S	18.49 E	1356.97
0.00							
10690.00	90.000	179.219	9405.00	1366.85	S	18.63 E	1366.97
0.00							
10700.00	90.000	179.219	9405.00	1376.84	S	18.76 E	1376.97

Princeton 6 Fee #1H Lateral Plan #1 Report 8-7-07.txt

0.00							
10710.00	90.000	179.219	9405.00	1386.84 S	18.90 E	1386.97	
0.00							
10720.00	90.000	179.219	9405.00	1396.84 S	19.04 E	1396.97	
0.00							
10730.00	90.000	179.219	9405.00	1406.84 S	19.17 E	1406.97	
0.00							
10740.00	90.000	179.219	9405.00	1416.84 S	19.31 E	1416.97	
0.00							
10750.00	90.000	179.219	9405.00	1426.84 S	19.45 E	1426.97	
0.00							
10760.00	90.000	179.219	9405.00	1436.84 S	19.58 E	1436.97	
0.00							
10770.00	90.000	179.219	9405.00	1446.84 S	19.72 E	1446.97	
0.00							
10780.00	90.000	179.219	9405.00	1456.84 S	19.85 E	1456.97	
0.00							
10790.00	90.000	179.219	9405.00	1466.84 S	19.99 E	1466.97	
0.00							
10800.00	90.000	179.219	9405.00	1476.83 S	20.13 E	1476.97	
0.00							
10810.00	90.000	179.219	9405.00	1486.83 S	20.26 E	1486.97	
0.00							
10820.00	90.000	179.219	9405.00	1496.83 S	20.40 E	1496.97	
0.00							
10830.00	90.000	179.219	9405.00	1506.83 S	20.54 E	1506.97	
0.00							
10840.00	90.000	179.219	9405.00	1516.83 S	20.67 E	1516.97	
0.00							
10850.00	90.000	179.219	9405.00	1526.83 S	20.81 E	1526.97	
0.00							
10860.00	90.000	179.219	9405.00	1536.83 S	20.94 E	1536.97	
0.00							
10870.00	90.000	179.219	9405.00	1546.83 S	21.08 E	1546.97	
0.00							
10880.00	90.000	179.219	9405.00	1556.83 S	21.22 E	1556.97	
0.00							
10890.00	90.000	179.219	9405.00	1566.83 S	21.35 E	1566.97	
0.00							
10900.00	90.000	179.219	9405.00	1576.83 S	21.49 E	1576.97	
0.00							
10910.00	90.000	179.219	9405.00	1586.82 S	21.63 E	1586.97	
0.00							
10920.00	90.000	179.219	9405.00	1596.82 S	21.76 E	1596.97	
0.00							
10930.00	90.000	179.219	9405.00	1606.82 S	21.90 E	1606.97	
0.00							
10940.00	90.000	179.219	9405.00	1616.82 S	22.03 E	1616.97	
0.00							
10950.00	90.000	179.219	9405.00	1626.82 S	22.17 E	1626.97	
0.00							
10960.00	90.000	179.219	9405.00	1636.82 S	22.31 E	1636.97	
0.00							
10970.00	90.000	179.219	9405.00	1646.82 S	22.44 E	1646.97	
0.00							
10980.00	90.000	179.219	9405.00	1656.82 S	22.58 E	1656.97	
0.00							
10990.00	90.000	179.219	9405.00	1666.82 S	22.72 E	1666.97	
0.00							
11000.00	90.000	179.219	9405.00	1676.82 S	22.85 E	1676.97	
0.00							
11010.00	90.000	179.219	9405.00	1686.82 S	22.99 E	1686.97	
0.00							

	Princeton 6	Fee #1H	Lateral	Plan #1	Report	8-7-07.txt
11020.00	90.000	179.219	9405.00	1696.81 S	23.12 E	1696.97
0.00						
11030.00	90.000	179.219	9405.00	1706.81 S	23.26 E	1706.97
0.00						
11040.00	90.000	179.219	9405.00	1716.81 S	23.40 E	1716.97
0.00						
11050.00	90.000	179.219	9405.00	1726.81 S	23.53 E	1726.97
0.00						
11060.00	90.000	179.219	9405.00	1736.81 S	23.67 E	1736.97
0.00						
11070.00	90.000	179.219	9405.00	1746.81 S	23.81 E	1746.97
0.00						
11080.00	90.000	179.219	9405.00	1756.81 S	23.94 E	1756.97
0.00						
11090.00	90.000	179.219	9405.00	1766.81 S	24.08 E	1766.97
0.00						
11100.00	90.000	179.219	9405.00	1776.81 S	24.21 E	1776.97
0.00						
11110.00	90.000	179.219	9405.00	1786.81 S	24.35 E	1786.97
0.00						
11120.00	90.000	179.219	9405.00	1796.81 S	24.49 E	1796.97
0.00						
11130.00	90.000	179.219	9405.00	1806.80 S	24.62 E	1806.97
0.00						
11140.00	90.000	179.219	9405.00	1816.80 S	24.76 E	1816.97
0.00						
11150.00	90.000	179.219	9405.00	1826.80 S	24.90 E	1826.97
0.00						
11160.00	90.000	179.219	9405.00	1836.80 S	25.03 E	1836.97
0.00						
11170.00	90.000	179.219	9405.00	1846.80 S	25.17 E	1846.97
0.00						
11180.00	90.000	179.219	9405.00	1856.80 S	25.30 E	1856.97
0.00						
11190.00	90.000	179.219	9405.00	1866.80 S	25.44 E	1866.97
0.00						
11200.00	90.000	179.219	9405.00	1876.80 S	25.58 E	1876.97
0.00						
11210.00	90.000	179.219	9405.00	1886.80 S	25.71 E	1886.97
0.00						
11220.00	90.000	179.219	9405.00	1896.80 S	25.85 E	1896.97
0.00						
11230.00	90.000	179.219	9405.00	1906.79 S	25.99 E	1906.97
0.00						
11240.00	90.000	179.219	9405.00	1916.79 S	26.12 E	1916.97
0.00						
11250.00	90.000	179.219	9405.00	1926.79 S	26.26 E	1926.97
0.00						
11253.03	90.000	179.219	9405.00	1929.82 S	26.30 E	1930.00
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 Slot and calculated along an Azimuth of 179.219° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.

Central meridian is -104.333°.

Grid Convergence at Surface is 0.657°.

Princeton 6 Fee #1H Lateral Plan #1 Report 8-7-07.txt

Based upon Minimum Curvature type calculations, at a Measured Depth of 11253.03ft., the Bottom Hole Displacement is 1930.00ft., in the Direction of 179.219° (Grid).