

Sherman '13' Fee #3H Lateral Plan #1 Report 8-6-07.txt

Cimarex Energy Co., Inc.
Sherman '13' Fee #3H - Plan #1

30-025-38488

Lea County (NAD 83)
Sherman '13' Fee #3H
Your Ref:

Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
9210.00	2.096	180.000	9210.00	0.13 S	0.00 E	0.13
0.00						
9220.00	5.096	180.000	9219.98	0.75 S	0.00 E	0.75
30.00						
9230.00	8.096	180.000	9229.91	1.90 S	0.00 E	1.90
30.00						
9240.00	11.096	180.000	9239.77	3.57 S	0.00 E	3.57
30.00						
9250.00	14.096	180.000	9249.53	5.75 S	0.00 E	5.75
30.00						
9260.00	17.096	180.000	9259.16	8.44 S	0.00 E	8.44
30.00						
9270.00	20.096	180.000	9268.64	11.63 S	0.00 E	11.63
30.00						
9280.00	23.096	180.000	9277.93	15.31 S	0.00 E	15.31
30.00						
9290.00	26.096	180.000	9287.02	19.47 S	0.00 E	19.47
30.00						
9300.00	29.096	180.000	9295.88	24.10 S	0.00 E	24.10
30.00						
9310.00	32.096	180.000	9304.49	29.19 S	0.00 E	29.19
30.00						
9320.00	35.096	180.000	9312.82	34.72 S	0.00 E	34.72
30.00						
9330.00	38.096	180.000	9320.85	40.68 S	0.00 E	40.68
30.00						
9340.00	41.096	180.000	9328.55	47.06 S	0.00 E	47.06
30.00						
9350.00	44.096	180.000	9335.91	53.82 S	0.00 E	53.82
30.00						
9360.00	47.096	180.000	9342.91	60.97 S	0.00 E	60.97
30.00						
9370.00	50.096	180.000	9349.52	68.47 S	0.00 E	68.47
30.00						
9380.00	53.096	180.000	9355.73	76.30 S	0.00 E	76.30
30.00						
9390.00	56.096	180.000	9361.53	84.45 S	0.00 E	84.45
30.00						
9400.00	59.096	180.000	9366.89	92.89 S	0.00 E	92.89
30.00						
9410.00	62.096	180.000	9371.79	101.61 S	0.00 E	101.61
30.00						
9420.00	65.096	180.000	9376.24	110.56 S	0.00 E	110.56
30.00						
9430.00	68.096	180.000	9380.21	119.74 S	0.00 E	119.74

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30.00							
9440.00	71.096	180.000	9383.70	129.11 S	0.00 E	129.11	
30.00							
9450.00	74.096	180.000	9386.69	138.65 S	0.00 E	138.65	
30.00							
9460.00	77.096	180.000	9389.18	148.33 S	0.00 E	148.33	
30.00							
9470.00	80.096	180.000	9391.15	158.14 S	0.00 E	158.14	
30.00							
9480.00	83.096	180.000	9392.62	168.03 S	0.00 E	168.03	
30.00							
9490.00	86.096	180.000	9393.56	177.98 S	0.00 E	177.98	
30.00							
9500.00	89.096	180.000	9393.98	187.97 S	0.00 E	187.97	
30.00							
9510.00	90.000	180.000	9394.00	197.97 S	0.00 E	197.97	
9.04							
9520.00	90.000	180.000	9394.00	207.97 S	0.00 E	207.97	
0.00							
9530.00	90.000	180.000	9394.00	217.97 S	0.00 E	217.97	
0.00							
9540.00	90.000	180.000	9394.00	227.97 S	0.00 E	227.97	
0.00							
9550.00	90.000	180.000	9394.00	237.97 S	0.00 E	237.97	
0.00							
9560.00	90.000	180.000	9394.00	247.97 S	0.00 E	247.97	
0.00							
9570.00	90.000	180.000	9394.00	257.97 S	0.00 E	257.97	
0.00							
9580.00	90.000	180.000	9394.00	267.97 S	0.00 E	267.97	
0.00							
9590.00	90.000	180.000	9394.00	277.97 S	0.00 E	277.97	
0.00							
9600.00	90.000	180.000	9394.00	287.97 S	0.00 E	287.97	
0.00							
9610.00	90.000	180.000	9394.00	297.97 S	0.00 E	297.97	
0.00							
9620.00	90.000	180.000	9394.00	307.97 S	0.00 E	307.97	
0.00							
9630.00	90.000	180.000	9394.00	317.97 S	0.00 E	317.97	
0.00							
9640.00	90.000	180.000	9394.00	327.97 S	0.00 E	327.97	
0.00							
9650.00	90.000	180.000	9394.00	337.97 S	0.00 E	337.97	
0.00							
9660.00	90.000	180.000	9394.00	347.97 S	0.00 E	347.97	
0.00							
9670.00	90.000	180.000	9394.00	357.97 S	0.00 E	357.97	
0.00							
9680.00	90.000	180.000	9394.00	367.97 S	0.00 E	367.97	
0.00							
9690.00	90.000	180.000	9394.00	377.97 S	0.00 E	377.97	
0.00							
9700.00	90.000	180.000	9394.00	387.97 S	0.00 E	387.97	
0.00							
9710.00	90.000	180.000	9394.00	397.97 S	0.00 E	397.97	
0.00							
9720.00	90.000	180.000	9394.00	407.97 S	0.00 E	407.97	
0.00							
9730.00	90.000	180.000	9394.00	417.97 S	0.00 E	417.97	
0.00							
9740.00	90.000	180.000	9394.00	427.97 S	0.00 E	427.97	
0.00							

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0.00	9750.00	90.000	180.000	9394.00	437.97 S	0.00 E 437.97
0.00	9760.00	90.000	180.000	9394.00	447.97 S	0.00 E 447.97
0.00	9770.00	90.000	180.000	9394.00	457.97 S	0.00 E 457.97
0.00	9780.00	90.000	180.000	9394.00	467.97 S	0.00 E 467.97
0.00	9790.00	90.000	180.000	9394.00	477.97 S	0.00 E 477.97
0.00	9800.00	90.000	180.000	9394.00	487.97 S	0.00 E 487.97
0.00	9810.00	90.000	180.000	9394.00	497.97 S	0.00 E 497.97
0.00	9820.00	90.000	180.000	9394.00	507.97 S	0.00 E 507.97
0.00	9830.00	90.000	180.000	9394.00	517.97 S	0.00 E 517.97
0.00	9840.00	90.000	180.000	9394.00	527.97 S	0.00 E 527.97
0.00	9850.00	90.000	180.000	9394.00	537.97 S	0.00 E 537.97
0.00	9860.00	90.000	180.000	9394.00	547.97 S	0.00 E 547.97
0.00	9870.00	90.000	180.000	9394.00	557.97 S	0.00 E 557.97
0.00	9880.00	90.000	180.000	9394.00	567.97 S	0.00 E 567.97
0.00	9890.00	90.000	180.000	9394.00	577.97 S	0.00 E 577.97
0.00	9900.00	90.000	180.000	9394.00	587.97 S	0.00 E 587.97
0.00	9910.00	90.000	180.000	9394.00	597.97 S	0.00 E 597.97
0.00	9920.00	90.000	180.000	9394.00	607.97 S	0.00 E 607.97
0.00	9930.00	90.000	180.000	9394.00	617.97 S	0.00 E 617.97
0.00	9940.00	90.000	180.000	9394.00	627.97 S	0.00 E 627.97
0.00	9950.00	90.000	180.000	9394.00	637.97 S	0.00 E 637.97
0.00	9960.00	90.000	180.000	9394.00	647.97 S	0.00 E 647.97
0.00	9970.00	90.000	180.000	9394.00	657.97 S	0.00 E 657.97
0.00	9980.00	90.000	180.000	9394.00	667.97 S	0.00 E 667.97
0.00	9990.00	90.000	180.000	9394.00	677.97 S	0.00 E 677.97
0.00	10000.00	90.000	180.000	9394.00	687.97 S	0.00 E 687.97
0.00	10010.00	90.000	180.000	9394.00	697.97 S	0.00 E 697.97
0.00	10020.00	90.000	180.000	9394.00	707.97 S	0.00 E 707.97
0.00	10030.00	90.000	180.000	9394.00	717.97 S	0.00 E 717.97
0.00	10040.00	90.000	180.000	9394.00	727.97 S	0.00 E 727.97
0.00	10050.00	90.000	180.000	9394.00	737.97 S	0.00 E 737.97
0.00	10060.00	90.000	180.000	9394.00	747.97 S	0.00 E 747.97

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0.00							
10070.00	90.000	180.000	9394.00	757.97 S	0.00 E	757.97	
0.00							
10080.00	90.000	180.000	9394.00	767.97 S	0.00 E	767.97	
0.00							
10090.00	90.000	180.000	9394.00	777.97 S	0.00 E	777.97	
0.00							
10100.00	90.000	180.000	9394.00	787.97 S	0.00 E	787.97	
0.00							
10110.00	90.000	180.000	9394.00	797.97 S	0.00 E	797.97	
0.00							
10120.00	90.000	180.000	9394.00	807.97 S	0.00 E	807.97	
0.00							
10130.00	90.000	180.000	9394.00	817.97 S	0.00 E	817.97	
0.00							
10140.00	90.000	180.000	9394.00	827.97 S	0.00 E	827.97	
0.00							
10150.00	90.000	180.000	9394.00	837.97 S	0.00 E	837.97	
0.00							
10160.00	90.000	180.000	9394.00	847.97 S	0.00 E	847.97	
0.00							
10170.00	90.000	180.000	9394.00	857.97 S	0.00 E	857.97	
0.00							
10180.00	90.000	180.000	9394.00	867.97 S	0.00 E	867.97	
0.00							
10190.00	90.000	180.000	9394.00	877.97 S	0.00 E	877.97	
0.00							
10200.00	90.000	180.000	9394.00	887.97 S	0.00 E	887.97	
0.00							
10210.00	90.000	180.000	9394.00	897.97 S	0.00 E	897.97	
0.00							
10220.00	90.000	180.000	9394.00	907.97 S	0.00 E	907.97	
0.00							
10230.00	90.000	180.000	9394.00	917.97 S	0.00 E	917.97	
0.00							
10240.00	90.000	180.000	9394.00	927.97 S	0.00 E	927.97	
0.00							
10250.00	90.000	180.000	9394.00	937.97 S	0.00 E	937.97	
0.00							
10260.00	90.000	180.000	9394.00	947.97 S	0.00 E	947.97	
0.00							
10270.00	90.000	180.000	9394.00	957.97 S	0.00 E	957.97	
0.00							
10280.00	90.000	180.000	9394.00	967.97 S	0.00 E	967.97	
0.00							
10290.00	90.000	180.000	9394.00	977.97 S	0.00 E	977.97	
0.00							
10300.00	90.000	180.000	9394.00	987.97 S	0.00 E	987.97	
0.00							
10310.00	90.000	180.000	9394.00	997.97 S	0.00 E	997.97	
0.00							
10320.00	90.000	180.000	9394.00	1007.97 S	0.00 E	1007.97	
0.00							
10330.00	90.000	180.000	9394.00	1017.97 S	0.00 E	1017.97	
0.00							
10340.00	90.000	180.000	9394.00	1027.97 S	0.00 E	1027.97	
0.00							
10350.00	90.000	180.000	9394.00	1037.97 S	0.00 E	1037.97	
0.00							
10360.00	90.000	180.000	9394.00	1047.97 S	0.00 E	1047.97	
0.00							
10370.00	90.000	180.000	9394.00	1057.97 S	0.00 E	1057.97	
0.00							

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10380.00	90.000	180.000	9394.00	1067.97 S	0.00 E	1067.97
0.00						
10390.00	90.000	180.000	9394.00	1077.97 S	0.00 E	1077.97
0.00						
10400.00	90.000	180.000	9394.00	1087.97 S	0.00 E	1087.97
0.00						
10410.00	90.000	180.000	9394.00	1097.97 S	0.00 E	1097.97
0.00						
10420.00	90.000	180.000	9394.00	1107.97 S	0.00 E	1107.97
0.00						
10430.00	90.000	180.000	9394.00	1117.97 S	0.00 E	1117.97
0.00						
10440.00	90.000	180.000	9394.00	1127.97 S	0.00 E	1127.97
0.00						
10450.00	90.000	180.000	9394.00	1137.97 S	0.00 E	1137.97
0.00						
10460.00	90.000	180.000	9394.00	1147.97 S	0.00 E	1147.97
0.00						
10470.00	90.000	180.000	9394.00	1157.97 S	0.00 E	1157.97
0.00						
10480.00	90.000	180.000	9394.00	1167.97 S	0.00 E	1167.97
0.00						
10490.00	90.000	180.000	9394.00	1177.97 S	0.00 E	1177.97
0.00						
10500.00	90.000	180.000	9394.00	1187.97 S	0.00 E	1187.97
0.00						
10510.00	90.000	180.000	9394.00	1197.97 S	0.00 E	1197.97
0.00						
10520.00	90.000	180.000	9394.00	1207.97 S	0.00 E	1207.97
0.00						
10530.00	90.000	180.000	9394.00	1217.97 S	0.00 E	1217.97
0.00						
10540.00	90.000	180.000	9394.00	1227.97 S	0.00 E	1227.97
0.00						
10550.00	90.000	180.000	9394.00	1237.97 S	0.00 E	1237.97
0.00						
10560.00	90.000	180.000	9394.00	1247.97 S	0.00 E	1247.97
0.00						
10570.00	90.000	180.000	9394.00	1257.97 S	0.00 E	1257.97
0.00						
10580.00	90.000	180.000	9394.00	1267.97 S	0.00 E	1267.97
0.00						
10590.00	90.000	180.000	9394.00	1277.97 S	0.00 E	1277.97
0.00						
10600.00	90.000	180.000	9394.00	1287.97 S	0.00 E	1287.97
0.00						
10610.00	90.000	180.000	9394.00	1297.97 S	0.00 E	1297.97
0.00						
10620.00	90.000	180.000	9394.00	1307.97 S	0.00 E	1307.97
0.00						
10630.00	90.000	180.000	9394.00	1317.97 S	0.00 E	1317.97
0.00						
10640.00	90.000	180.000	9394.00	1327.97 S	0.00 E	1327.97
0.00						
10650.00	90.000	180.000	9394.00	1337.97 S	0.00 E	1337.97
0.00						
10660.00	90.000	180.000	9394.00	1347.97 S	0.00 E	1347.97
0.00						
10670.00	90.000	180.000	9394.00	1357.97 S	0.00 E	1357.97
0.00						
10680.00	90.000	180.000	9394.00	1367.97 S	0.00 E	1367.97
0.00						
10690.00	90.000	180.000	9394.00	1377.97 S	0.00 E	1377.97

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0.00							
10700.00	90.000	180.000	9394.00	1387.97 S	0.00 E	1387.97	
0.00							
10710.00	90.000	180.000	9394.00	1397.97 S	0.00 E	1397.97	
0.00							
10720.00	90.000	180.000	9394.00	1407.97 S	0.00 E	1407.97	
0.00							
10730.00	90.000	180.000	9394.00	1417.97 S	0.00 E	1417.97	
0.00							
10740.00	90.000	180.000	9394.00	1427.97 S	0.00 E	1427.97	
0.00							
10750.00	90.000	180.000	9394.00	1437.97 S	0.00 E	1437.97	
0.00							
10760.00	90.000	180.000	9394.00	1447.97 S	0.00 E	1447.97	
0.00							
10770.00	90.000	180.000	9394.00	1457.97 S	0.00 E	1457.97	
0.00							
10780.00	90.000	180.000	9394.00	1467.97 S	0.00 E	1467.97	
0.00							
10790.00	90.000	180.000	9394.00	1477.97 S	0.00 E	1477.97	
0.00							
10800.00	90.000	180.000	9394.00	1487.97 S	0.00 E	1487.97	
0.00							
10810.00	90.000	180.000	9394.00	1497.97 S	0.00 E	1497.97	
0.00							
10820.00	90.000	180.000	9394.00	1507.97 S	0.00 E	1507.97	
0.00							
10830.00	90.000	180.000	9394.00	1517.97 S	0.00 E	1517.97	
0.00							
10840.00	90.000	180.000	9394.00	1527.97 S	0.00 E	1527.97	
0.00							
10850.00	90.000	180.000	9394.00	1537.97 S	0.00 E	1537.97	
0.00							
10860.00	90.000	180.000	9394.00	1547.97 S	0.00 E	1547.97	
0.00							
10870.00	90.000	180.000	9394.00	1557.97 S	0.00 E	1557.97	
0.00							
10880.00	90.000	180.000	9394.00	1567.97 S	0.00 E	1567.97	
0.00							
10890.00	90.000	180.000	9394.00	1577.97 S	0.00 E	1577.97	
0.00							
10900.00	90.000	180.000	9394.00	1587.97 S	0.00 E	1587.97	
0.00							
10910.00	90.000	180.000	9394.00	1597.97 S	0.00 E	1597.97	
0.00							
10920.00	90.000	180.000	9394.00	1607.97 S	0.00 E	1607.97	
0.00							
10930.00	90.000	180.000	9394.00	1617.97 S	0.00 E	1617.97	
0.00							
10940.00	90.000	180.000	9394.00	1627.97 S	0.00 E	1627.97	
0.00							
10950.00	90.000	180.000	9394.00	1637.97 S	0.00 E	1637.97	
0.00							
10960.00	90.000	180.000	9394.00	1647.97 S	0.00 E	1647.97	
0.00							
10970.00	90.000	180.000	9394.00	1657.97 S	0.00 E	1657.97	
0.00							
10980.00	90.000	180.000	9394.00	1667.97 S	0.00 E	1667.97	
0.00							
10990.00	90.000	180.000	9394.00	1677.97 S	0.00 E	1677.97	
0.00							
11000.00	90.000	180.000	9394.00	1687.97 S	0.00 E	1687.97	
0.00							

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11010.00	90.000	180.000	9394.00	1697.97 S	0.00 E	1697.97
0.00						
11020.00	90.000	180.000	9394.00	1707.97 S	0.00 E	1707.97
0.00						
11030.00	90.000	180.000	9394.00	1717.97 S	0.00 E	1717.97
0.00						
11040.00	90.000	180.000	9394.00	1727.97 S	0.00 E	1727.97
0.00						
11050.00	90.000	180.000	9394.00	1737.97 S	0.00 E	1737.97
0.00						
11060.00	90.000	180.000	9394.00	1747.97 S	0.00 E	1747.97
0.00						
11070.00	90.000	180.000	9394.00	1757.97 S	0.00 E	1757.97
0.00						
11080.00	90.000	180.000	9394.00	1767.97 S	0.00 E	1767.97
0.00						
11090.00	90.000	180.000	9394.00	1777.97 S	0.00 E	1777.97
0.00						
11100.00	90.000	180.000	9394.00	1787.97 S	0.00 E	1787.97
0.00						
11110.00	90.000	180.000	9394.00	1797.97 S	0.00 E	1797.97
0.00						
11120.00	90.000	180.000	9394.00	1807.97 S	0.00 E	1807.97
0.00						
11130.00	90.000	180.000	9394.00	1817.97 S	0.00 E	1817.97
0.00						
11140.00	90.000	180.000	9394.00	1827.97 S	0.00 E	1827.97
0.00						
11150.00	90.000	180.000	9394.00	1837.97 S	0.00 E	1837.97
0.00						
11160.00	90.000	180.000	9394.00	1847.97 S	0.00 E	1847.97
0.00						
11170.00	90.000	180.000	9394.00	1857.97 S	0.00 E	1857.97
0.00						
11180.00	90.000	180.000	9394.00	1867.97 S	0.00 E	1867.97
0.00						
11190.00	90.000	180.000	9394.00	1877.97 S	0.00 E	1877.97
0.00						
11191.92	90.000	180.000	9394.00	1879.89 S	0.00 E	1879.89
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 180.000° (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 0.647°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 11191.92ft., the Bottom Hole Displacement is 1879.89ft., in the Direction of 180.000° (Grid).