



Standard Wellpath Report
 Sandridge
 Sec 36 - 31S - 20W, Kansas
 Comanche County
 Wellbore: Kerstetter 3120 2-25H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	1725804.00	235021.00
1160.00	1.00	295.000	1159.94	4.28N	9.17W	0.09	4.15	1725794.83	235025.28
1435.00	0.90	280.600	1434.90	5.69N	13.47W	0.09	5.50	1725790.53	235026.69
1909.00	1.20	266.700	1908.82	6.09N	22.09W	0.08	5.78	1725781.91	235027.09
2386.00	0.50	311.200	2385.77	7.17N	28.64W	0.19	6.78	1725775.36	235028.17
2861.00	0.60	313.000	2860.75	10.23N	32.02W	0.02	9.79	1725771.98	235031.23
3336.00	0.70	335.900	3335.72	14.58N	35.02W	0.06	14.09	1725768.98	235035.58
3814.00	0.60	22.300	3813.69	19.56N	35.26W	0.11	19.07	1725768.74	235040.56
4193.00	0.60	3.400	4192.67	23.38N	34.39W	0.05	22.90	1725769.61	235044.38
4225.00	0.90	357.300	4224.67	23.79N	34.39W	0.07	23.32	1725769.61	235044.79
4256.00	1.60	18.100	4255.66	24.45N	34.27W	2.66	23.97	1725769.73	235045.45
4288.00	3.40	33.900	4287.63	25.66N	33.60W	5.97	25.20	1725770.40	235046.66
4319.00	5.10	31.300	4318.55	27.60N	32.38W	5.52	27.15	1725771.63	235048.60
4351.00	6.80	33.000	4350.37	30.41N	30.60W	5.34	29.98	1725773.40	235051.41
4382.00	8.70	35.000	4381.09	33.87N	28.26W	6.19	33.47	1725775.74	235054.87
4414.00	10.60	37.600	4412.63	38.18N	25.08W	6.09	37.83	1725778.92	235059.18
4446.00	12.30	39.400	4444.00	43.15N	21.12W	5.43	42.85	1725782.88	235064.15
4477.00	14.20	39.200	4474.17	48.65N	16.62W	6.13	48.41	1725787.38	235069.65
4509.00	16.00	37.000	4505.06	55.21N	11.48W	5.90	55.05	1725792.52	235076.21
4540.00	17.80	36.000	4534.72	62.46N	6.12W	5.88	62.37	1725797.88	235083.46
4572.00	18.40	37.200	4565.14	70.44N	0.20W	2.21	70.43	1725803.80	235091.44
4604.00	19.40	35.500	4595.41	78.79N	5.94E	3.57	78.86	1725809.94	235099.78
4636.00	21.50	35.100	4625.40	87.91N	12.40E	6.58	88.07	1725816.40	235108.91
4667.00	24.00	34.900	4653.98	97.73N	19.28E	8.07	97.99	1725823.28	235118.73
4699.00	26.90	34.200	4682.87	109.06N	27.07E	9.11	109.42	1725831.07	235130.06
4731.00	29.50	34.100	4711.07	121.57N	35.56E	8.13	122.05	1725839.56	235142.57
4762.00	31.60	33.600	4737.77	134.66N	44.33E	6.82	135.26	1725848.33	235155.66
4794.00	33.40	30.900	4764.76	149.20N	53.50E	7.22	149.92	1725857.50	235170.20
4825.00	35.70	30.200	4790.29	164.34N	62.43E	7.53	165.19	1725866.43	235185.34
4857.00	37.40	30.600	4815.99	180.78N	72.07E	5.36	181.75	1725876.07	235201.77
4888.00	40.00	29.900	4840.18	197.52N	81.83E	8.50	198.63	1725885.83	235218.52
4920.00	42.00	29.800	4864.33	215.73N	92.28E	6.25	216.98	1725896.28	235236.73
4952.00	43.80	29.100	4887.77	234.70N	102.99E	5.82	236.09	1725906.99	235255.69
4984.00	45.30	29.000	4910.58	254.32N	113.89E	4.69	255.87	1725917.89	235275.32
5015.00	46.60	25.900	4932.13	274.09N	124.15E	8.32	275.78	1725928.15	235295.09
5047.00	47.60	22.200	4953.92	295.49N	133.70E	9.03	297.31	1725937.70	235316.49
5142.00	48.10	16.000	5017.71	361.99N	156.71E	4.87	364.12	1725960.71	235382.99
5173.00	47.80	15.200	5038.47	384.16N	162.90E	2.15	386.37	1725966.90	235405.16
5205.00	47.50	15.700	5060.03	406.96N	169.20E	1.49	409.25	1725973.20	235427.95
5237.00	49.30	14.900	5081.27	430.04N	175.51E	5.93	432.42	1725979.51	235451.03
5268.00	52.20	14.400	5100.88	453.26N	181.58E	9.44	455.72	1725985.58	235474.26
5300.00	55.20	15.100	5119.83	478.20N	188.15E	9.54	480.74	1725992.15	235499.19
5331.00	58.80	13.700	5136.71	503.37N	194.61E	12.21	506.01	1725998.60	235524.37
5363.00	63.00	12.200	5152.27	530.62N	200.86E	13.75	533.34	1726004.86	235551.61
5394.00	66.80	10.600	5165.42	558.13N	206.40E	13.12	560.92	1726010.40	235579.13
5426.00	70.80	9.400	5176.99	587.51N	211.58E	12.98	590.37	1726015.58	235608.50
5457.00	75.60	9.100	5185.94	616.79N	216.35E	15.51	619.71	1726020.35	235637.78
5489.00	80.00	9.400	5192.71	647.65N	221.37E	13.78	650.64	1726025.37	235668.65
5521.00	83.70	8.800	5197.24	678.93N	226.38E	11.71	681.98	1726030.38	235699.92
5540.00	86.00	8.300	5198.95	697.64N	229.20E	12.39	700.73	1726033.19	235718.63
5587.00	90.80	7.000	5200.26	744.19N	235.45E	10.58	747.36	1726039.44	235765.18
5619.00	92.50	6.600	5199.34	775.95N	239.23E	5.46	779.17	1726043.23	235796.94
5651.00	93.40	5.900	5197.69	807.71N	242.71E	3.56	810.98	1726046.71	235828.71
5683.00	93.00	5.200	5195.90	839.51N	245.80E	2.52	842.82	1726049.80	235860.51
5714.00	92.70	4.700	5194.36	870.36N	248.48E	1.88	873.70	1726052.47	235891.35
5746.00	93.40	3.600	5192.66	902.23N	250.79E	4.07	905.60	1726054.79	235923.22
5778.00	93.50	2.400	5190.73	934.13N	252.46E	3.76	937.52	1726056.46	235955.12
5809.00	93.50	1.600	5188.84	965.05N	253.54E	2.58	968.45	1726057.54	235986.04
5841.00	93.90	0.800	5186.78	996.98N	254.21E	2.79	1000.39	1726058.21	236017.97
5872.00	94.00	359.700	5184.64	1027.90N	254.34E	3.55	1031.31	1726058.34	236048.89
5904.00	93.70	358.900	5182.49	1059.83N	253.95E	2.66	1063.23	1726057.95	236080.82
5936.00	93.90	358.000	5180.37	1091.74N	253.09E	2.88	1095.13	1726057.09	236112.73
5968.00	92.50	355.900	5178.59	1123.65N	251.39E	7.88	1127.01	1726055.39	236144.64
5999.00	91.50	354.500	5177.50	1154.52N	248.80E	5.55	1157.84	1726052.79	236175.51
6032.00	92.20	354.700	5176.44	1187.35N	245.69E	2.21	1190.63	1726049.69	236208.34
6063.00	91.80	352.400	5175.36	1218.14N	242.21E	7.53	1221.36	1726046.21	236239.13
6095.00	89.80	349.100	5174.91	1249.71N	237.07E	12.06	1252.86	1726041.07	236270.70
6127.00	90.30	348.100	5174.88	1281.08N	230.75E	3.49	1284.14	1726034.74	236302.07
6158.00	91.10	349.100	5174.50	1311.47N	224.62E	4.13	1314.44	1726028.62	236332.45
6190.00	92.00	350.700	5173.64	1342.96N	219.01E	5.74	1345.85	1726023.01	236363.94

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 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Kerstetter 3120 2-25H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 0.790 degrees
 Bottom hole distance is 6331.27 Feet on azimuth 0.61 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 23-Jul-2012



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6221.00	91.20	349.600	5172.77	1373.49N	213.71E	4.39	1376.30	1726017.71	236394.47
6253.00	89.90	348.400	5172.46	1404.90N	207.60E	5.53	1407.63	1726011.60	236425.88
6284.00	90.00	348.500	5172.49	1435.27N	201.40E	0.46	1437.91	1726005.39	236456.25
6316.00	91.80	349.500	5171.99	1466.68N	195.29E	6.43	1469.23	1725999.29	236487.66
6349.00	91.70	349.500	5170.98	1499.11N	189.28E	0.30	1501.58	1725993.28	236520.09
6381.00	91.60	349.500	5170.06	1530.56N	183.45E	0.31	1532.94	1725987.45	236551.54
6413.00	91.50	349.500	5169.19	1562.01N	177.62E	0.31	1564.31	1725981.62	236583.00
6445.00	91.30	349.700	5168.41	1593.48N	171.85E	0.88	1595.69	1725975.84	236614.46
6477.00	91.40	349.500	5167.66	1624.94N	166.07E	0.70	1627.08	1725970.07	236645.93
6509.00	91.80	349.600	5166.76	1656.40N	160.27E	1.29	1658.45	1725964.27	236677.38
6541.00	91.40	349.500	5165.87	1687.86N	154.47E	1.29	1689.83	1725958.47	236708.84
6573.00	91.40	349.100	5165.09	1719.29N	148.53E	1.25	1721.17	1725952.53	236740.27
6605.00	90.30	348.700	5164.61	1750.69N	142.37E	3.66	1752.48	1725946.37	236771.67
6669.00	88.90	348.100	5165.06	1813.38N	129.50E	2.38	1814.99	1725933.50	236834.36
6701.00	89.90	348.200	5165.40	1844.69N	122.93E	3.14	1846.21	1725926.93	236865.67
6733.00	90.70	349.000	5165.23	1876.06N	116.60E	3.54	1877.49	1725920.60	236897.04
6765.00	91.90	350.600	5164.50	1907.54N	110.94E	6.25	1908.89	1725914.94	236928.53
6796.00	92.70	351.600	5163.26	1938.15N	106.15E	4.13	1939.43	1725910.15	236959.13
6859.00	92.60	352.500	5160.35	2000.47N	97.44E	1.44	2001.63	1725901.44	237021.45
6891.00	93.40	353.000	5158.67	2032.17N	93.41E	2.95	2033.27	1725897.41	237053.15
6923.00	93.10	354.000	5156.86	2063.92N	89.79E	3.26	2064.96	1725893.79	237084.90
6954.00	92.10	355.200	5155.45	2094.75N	86.88E	5.04	2095.74	1725890.88	237115.73
6986.00	91.90	355.700	5154.33	2126.63N	84.34E	1.68	2127.59	1725888.34	237147.60
7049.00	90.50	355.600	5153.01	2189.43N	79.57E	2.23	2190.32	1725883.56	237210.41
7144.00	89.60	356.800	5152.93	2284.22N	73.27E	1.58	2285.01	1725877.27	237305.19
7239.00	89.00	358.200	5154.09	2379.12N	69.13E	1.60	2379.84	1725873.13	237400.09
7334.00	89.80	358.400	5155.09	2474.07N	66.31E	0.87	2474.75	1725870.31	237495.04
7429.00	90.80	358.600	5154.59	2569.03N	63.82E	1.07	2569.67	1725867.82	237590.01
7524.00	90.50	358.600	5153.51	2664.00N	61.50E	0.32	2664.59	1725865.50	237684.97
7619.00	89.60	357.400	5153.43	2758.94N	58.18E	1.58	2759.48	1725862.18	237779.91
7714.00	91.10	357.300	5152.85	2853.83N	53.79E	1.58	2854.30	1725857.79	237874.80
7809.00	91.30	356.000	5150.86	2948.65N	48.24E	1.38	2949.03	1725852.24	237969.62
7904.00	91.30	356.500	5148.70	3043.42N	42.03E	0.53	3043.71	1725846.03	238064.39
7999.00	90.70	357.800	5147.05	3138.29N	37.31E	1.51	3138.50	1725841.31	238159.25
8028.00	90.70	359.200	5146.69	3167.27N	36.55E	4.83	3167.48	1725840.55	238188.24
8122.00	91.20	359.800	5145.13	3261.26N	35.73E	0.83	3261.44	1725839.73	238282.22
8217.00	91.40	360.000	5142.98	3356.23N	35.56E	0.30	3356.40	1725839.56	238377.20
8313.00	92.70	359.400	5139.54	3452.17N	35.06E	1.49	3452.32	1725839.06	238473.13
8408.00	92.40	0.100	5135.32	3547.07N	34.65E	0.80	3547.21	1725838.65	238568.03
8440.00	92.70	0.500	5133.89	3579.04N	34.81E	1.56	3579.18	1725838.81	238600.00
8472.00	91.60	1.700	5132.69	3611.01N	35.43E	5.09	3611.15	1725839.43	238631.97
8504.00	90.80	2.100	5132.02	3642.98N	36.49E	2.79	3643.14	1725840.49	238663.95
8599.00	90.80	2.100	5130.70	3737.91N	39.97E	==>	3738.11	1725843.97	238758.87
8693.00	90.10	1.400	5129.96	3831.86N	42.84E	1.05	3832.09	1725846.84	238852.82
8789.00	87.90	1.700	5131.63	3927.81N	45.44E	2.31	3928.06	1725849.44	238948.77
8885.00	88.80	1.100	5134.40	4023.74N	47.78E	1.13	4024.01	1725851.78	239044.70
8980.00	89.70	1.000	5135.64	4118.71N	49.52E	0.95	4119.00	1725853.52	239139.67
9075.00	91.10	0.700	5134.98	4213.70N	50.93E	1.51	4214.00	1725854.93	239234.65
9170.00	90.20	1.700	5133.90	4308.67N	52.92E	1.42	4308.99	1725856.92	239329.62
9264.00	90.90	1.800	5133.00	4402.62N	55.79E	0.75	4402.97	1725859.79	239423.57
9296.00	89.60	1.900	5132.86	4434.60N	56.82E	4.07	4434.96	1725860.82	239455.56
9360.00	90.40	1.400	5132.86	4498.57N	58.67E	1.47	4498.95	1725862.67	239519.53
9456.00	90.00	1.700	5132.52	4594.54N	61.26E	0.52	4594.94	1725865.26	239615.49
9551.00	89.80	1.700	5132.69	4689.49N	64.08E	0.21	4689.93	1725868.08	239710.45
9646.00	89.70	1.900	5133.10	4784.45N	67.07E	0.24	4784.92	1725871.06	239805.40
9743.00	89.30	1.400	5133.95	4881.40N	69.86E	0.66	4881.90	1725873.86	239902.35
9837.00	90.20	0.900	5134.36	4975.38N	71.75E	1.10	4975.90	1725875.74	239996.33
9932.00	90.60	0.800	5133.70	5070.37N	73.15E	0.43	5070.90	1725877.15	240091.32
10027.00	90.20	0.500	5133.03	5165.36N	74.23E	0.53	5165.89	1725878.23	240186.31
10122.00	90.70	0.100	5132.29	5260.36N	74.73E	0.67	5260.89	1725878.73	240281.30
10217.00	91.50	359.500	5130.46	5355.34N	74.40E	1.05	5355.85	1725878.40	240376.28
10312.00	91.00	358.400	5128.39	5450.30N	72.66E	1.27	5450.78	1725876.66	240471.24
10407.00	91.40	358.300	5126.40	5545.24N	69.92E	0.43	5545.67	1725873.92	240566.18
10504.00	91.50	358.200	5123.95	5642.16N	66.96E	0.15	5642.55	1725870.96	240663.10
10599.00	91.50	359.000	5121.46	5737.10N	64.64E	0.84	5737.44	1725868.64	240758.04
10694.00	91.10	359.200	5119.30	5832.06N	63.15E	0.47	5832.38	1725867.15	240853.00
10789.00	88.30	0.300	5119.80	5927.05N	62.73E	3.17	5927.35	1725866.73	240947.99
10884.00	89.10	0.600	5121.96	6022.02N	63.48E	0.90	6022.32	1725867.48	241042.96
10979.00	90.60	0.600	5122.21	6117.01N	64.48E	1.58	6117.32	1725868.47	241137.95
11074.00	91.40	0.900	5120.55	6211.99N	65.72E	0.90	6212.30	1725869.72	241232.93
11148.00	92.10	0.600	5118.29	6285.95N	66.69E	1.03	6286.27	1725870.69	241306.88

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Vertical Section is from 0.00N 0.00E on azimuth 0.790 degrees
Bottom hole distance is 6331.27 Feet on azimuth 0.61 degrees from Wellhead
Calculation method uses Minimum Curvature method
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