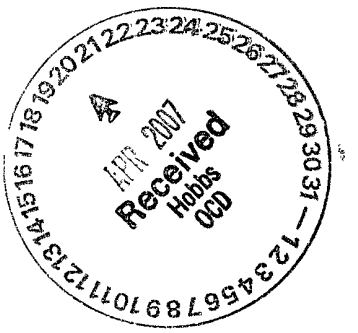
SUR: M-21-22s-36e, 977/S & 1002/W
BHL: O-21-22s-36e, 832/S & 3343/W
API # 30-025-32210

ACTUAL WELLPATH REPORT (CSV version)
Prepared by Baker Hughes INTEQ
Software System: WellArchitect™1.2



REFERENCE WELLPATH IDENTIFICATION

Operator	Chesapeake Operating, Inc.
Area	Lea County, NM
Field	Langley (Devonian) Field
Facility	Langley Getty Com
Slot	#2_SHL
Well	Langley Getty Com #2
Wellbore	#2_AWB
Wellpath	#2 AWP
Sidetrack	(none)

REPORT SETUP INFORMATION

Projection :	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet
North Refe	Grid
Scale	1.00003
Wellbore L	9/14/2006
Software S	WellArchitect™
User	Gomeoscr
Report Ger	10/16/06 at 08:42:01
DataBase/:	WellArchitectDB/ev05.xml

WELLPAT	Local North [ft]	Local East [ft]	Grid East [ft]	Grid North [ft]	Latitude [°]	Longitude [°]
Slot Locatic	0	0	826723	500886.4	32 22 21.3	103 16 30.339W
Facility Ref			826723	500886.4	32 22 21.3	103 16 30.339W
Field Refer			0	0	30 59 24.5	105 55 44.137W

WELLPATH DATUM

Calculation	Minimum curvature
Horizontal	Slot
Vertical Re	Rig on #2_SHL (RT)
MD Refere	Rig on #2_SHL (RT)
Field Vertic	Mean Sea Level
Rig on #2_	20.00 feet
Rig on #2_	3541.00 feet
Facility Ver	0.00 feet
Section Ori	0.00 feet
Section Ori	0.00 feet
Section Azi	93.76°

WELLPATH DATA Wellbore: #2_AWB Wellpath: #2 AWP † = interpolated/extrapolated sta

MD feet	Inclination deg	Azimuth deg	TVD feet	Vert Sect feet	North feet	East feet	DLS deg/100ft
0	0	0	0	0	0	0	0
200	0.26	126.64	200	0.38	-0.27	0.36	0.13
400	0.12	137.44	400	0.91	-0.7	0.87	0.07
600	0.28	130.77	600	1.46	-1.17	1.38	0.08

800	0.27	142.42	799.99	2.16	-1.86	2.04	0.03
1000	0.27	122.72	999.99	2.88	-2.49	2.72	0.05
1200	0.38	130.98	1199.99	3.82	-3.18	3.62	0.06
1400	0.47	114.08	1399.98	5.12	-3.95	4.87	0.08
1600	1.15	71.5	1599.96	7.74	-3.65	7.52	0.43
1800	1.28	75.84	1799.92	11.73	-2.46	11.59	0.08
2000	1.36	80.92	1999.87	16.17	-1.54	16.1	0.07
2200	1.6	72.87	2199.8	21.09	-0.35	21.11	0.16
2400	3.46	63.08	2399.6	28.89	3.21	29.16	0.95
2600	3.54	60.6	2599.22	39.25	8.97	39.92	0.09
2800	4.04	60.42	2798.79	50.3	15.48	51.43	0.25
3000	3.9	56.6	2998.31	61.61	22.7	63.24	0.15
3200	2 63	54.24	3197.98	70.57	29.13	72.64	0.64
3400	1.88	46.07	3397.82	76.32	34.09	78.72	0.41
3600	2.17	47.18	3597.7	81.13	38.94	83.86	0.15
3800	1.93	42.04	3797.57	85.82	44.01	88.9	0.15
4000	1.98	44.1	3997.45	90.14	48.99	93.56	0.04
4200	1.87	41	4197.34	94.35	53.94	98.1	0.08
4400	1.51	44.05	4397.25	98.03	58.29	102.07	0.19
4600	0.89	45.27	4597.21	100.77	61.28	105.01	0.31
4800	0.22	155.2	4797.2	101.98	62.03	106.27	0.49
5000	0.73	293.28	4997.19	100.96	62.18	105.27	0.45
5200	0.95	306.13	5197.17	98.36	63.66	102.76	0.14
5400	1.04	319.02	5397.14	95.68	66.01	100.23	0.12
5600	0.93	319.56	5597.11	93.27	68.62	97.98	0.06
5800	0.83	318.74	5797.09	91.12	70.94	95.98	0.05
6000	0.14	5.04	5997.08	90.1	72.27	95.04	0.37
6200	0.08	42.46	6197.08	90.19	72.62	95.16	0.05
6400	0.15	245.69	6397.08	90.05	72.61	95.01	0.11
6600	0.1	236.94	6597.08	89.68	72.41	94.63	0.03
6800	0.08	216.32	6797.08	89.46	72.2	94.4	0.02
7000	0.18	128.13	6997.08	89.65	71.9	94.56	0.1
7200	0.12	140.2	7197.08	90.05	71.54	94.94	0.03
7400	0.38	82.21	7397.08	90.84	71.47	95.74	0.17
7600	0.75	77.44	7597.07	92.75	71.85	97.67	0.19
7800	0.88	79.35	7797.05	95.49	72.41	100.46	0.07
8000	0.99	80.78	7997.02	98.66	72.97	103.67	0.06
8200	1.21	74.37	8196.98	102.34	73.82	107.41	0.13
8400	1.43	76.43	8396.93	106.71	74.98	111.87	0.11
8600	2.01	78.79	8596.84	112.48	76.24	117.74	0.29
8800	2.16	81.62	8796.71	119.56	77.47	124.91	0.09
9000	2.32	79.01	8996.55	127.16	78.79	132.61	0.09
9200	3.51	86.63	9196.29	137.15	79.93	142.7	0.62
9400	2.99	87.54	9395.97	148.41	80.51	154.02	0.26
9600	3.03	86.26	9595.69	158.83	81.08	164.5	0.04
9800	2.46	91.52	9795.46	168.36	81.31	174.07	0.31
9804	2.41	90.43	9799.46	168.53	81.31	174.24	1.7
10009	1.7	98.5	10004.33	175.87	80.83	181.56	0.37
10200	0.6	92.9	10195.29	179.69	80.36	185.36	0.58
10391	3.3	16.6	10386.17	181.91	85.57	187.93	1.68
10602	6	29.6	10596.46	188.07	100.99	195.11	1.37
10662	6.3	33.1	10656.12	191.05	106.47	198.46	0.8

10693	6.2	31.4	10686.94	192.66	109.32	200.26	0.68
10725	6.1	25.8	10718.75	194.1	112.33	201.9	1.9
10757	5.6	29.6	10750.58	195.42	115.22	203.41	1.98
10789	4.5	37	10782.46	196.79	117.58	204.94	3.99
10821	3.8	49.7	10814.38	198.24	119.27	206.5	3.6
10852	4	60.2	10845.31	199.88	120.47	208.22	2.39
10884	3.9	63	10877.23	201.74	121.52	210.16	0.68
10916	3.5	65.8	10909.16	203.54	122.41	212.02	1.37
10948	2.7	66.2	10941.12	205.07	123.12	213.6	2.5
10979	1.7	72.2	10972.09	206.15	123.55	214.71	3.31
11010	2	80.3	11003.08	207.1	123.78	215.68	1.28
11042	3.1	81.3	11035.04	208.49	124.01	217.09	3.44
11075	4.3	74.6	11067.98	210.53	124.47	219.16	3.86
11106	4.5	74.3	11098.88	212.77	125.11	221.45	0.65
11138	4.2	83.8	11130.79	215.11	125.58	223.83	2.44
11170	3.6	100.6	11162.72	217.26	125.52	225.98	4.01
11202	2 8	113.7	11194.67	218.99	125.02	227.68	3.37
11233	2.7	112.6	11225.63	220.4	124.43	229.05	0.36
11265	2.6	98.9	11257.6	221.83	124.03	230.46	2
11297	2.8	90.1	11289.56	223.34	123.92	231.96	1.44
11340	3.3	79.6	11332.5	225.58	124.14	234.23	1.74
11372	3.9	82.7	11364.44	227.54	124.44	236.21	1.97
11404	4.9	89.7	11396.35	229.98	124.59	238.66	3.54
11435	5.7	95.7	11427.21	232.84	124.44	241.51	3.14
11467	6.2	103.8	11459.04	236.13	123.87	244.77	3.05
11499	6.6	106.6	11490.84	239.62	122.94	248.21	1.59
11531	7.2	110.8	11522.61	243.33	121.7	251.85	2.45
11563	7.4	112.2	11554.35	247.2	120.21	255.63	0.84
11594	7.6	112.6	11585.09	251.04	118.67	259.38	0.67
11626	8.5	112.6	11616.77	255.28	116.94	263.51	2.81
11658	9.7	111.9	11648.37	260.08	115.03	268.2	3.77
11690	10.7	109.8	11679.86	265.49	113.02	273.49	3.33
11721	11.9	108.4	11710.26	271.35	111.03	279.23	3.97
11753	12.9	107	11741.51	278.02	108.95	285.78	3.26
11785	13.9	103.1	11772.64	285.29	107.03	292.94	4.21
11816	15.3	98.5	11802.64	293.04	105.58	300.61	5.86
11848	16.8	94.7	11833.39	301.88	104.58	309.4	5.72
11879	17.8	93.3	11862.99	311.09	103.94	318.59	3.49
11911	18.9	92.9	11893.36	321.17	103.4	328.65	3.46
11943	18.8	93.6	11923.65	331.51	102.81	338.98	0.77
11975	18.9	95	11953.93	341.84	102.04	349.28	1.45
12006	19.9	95	11983.17	352.14	101.14	359.54	3.23
12038	21.8	95	12013.07	363.52	100.15	370.89	5.94
12070	22.1	93.3	12042.75	375.48	99.28	382.82	2.2
12102	21	91.9	12072.52	387.23	98.74	394.56	3.79
12133	20.5	92.6	12101.51	398.21	98.31	405.53	1.8
12165	20.3	95	12131.5	409.37	97.58	416.66	2.69
12197	19.4	95	12161.6	420.23	96.63	427.48	2.81
12265	22	97.5	12225.2	444.23	93.98	451.37	4.04
12296	27	100.6	12253.4	457.02	91.93	464.05	16.65
12328	32.3	101.7	12281.2	472.71	88.86	479.57	16.65
12360	37.4	101.3	12307.46	490.83	85.22	497.49	15.95

12392	42.8	99.2	12331.93	511.3	81.57	517.76	17.39
12423	47.8	98.2	12353.73	533.25	78.25	539.54	16.29
12455	52.3	97.8	12374.27	557.7	74.84	563.82	14.1
12487	55.6	98.2	12393.1	583.5	71.23	589.44	10.36
12518	60	97.8	12409.61	609.66	67.59	615.41	14.24
12550	64.5	97.1	12424.51	637.91	63.92	643.48	14.2
12582	69.5	95.4	12437.01	667.33	60.72	672.76	16.37
12614	72.7	95	12447.37	697.59	57.98	702.9	10.07
12645	75.8	95.4	12455.79	727.41	55.27	732.61	10.08
12677	78.6	95	12462.87	758.6	52.45	763.69	8.83
12708	80.8	95.4	12468.42	789.09	49.68	794.06	7.21
12740	83.1	96.4	12472.9	820.75	46.43	825.57	7.83
12771	85.7	97.5	12475.92	851.55	42.69	856.19	9.1
12803	88.9	97.8	12477.43	883.44	38.44	887.87	10.04
12835	91.6	98.2	12477.29	915.35	33.98	919.56	8.53
12867	93.5	98.9	12475.87	947.2	29.23	951.17	6.33
12901	96.8	99.9	12472.82	980.9	23.7	984.57	10.14
12932	96.7	100.6	12469.17	1011.48	18.22	1014.86	2.27
12957	96.2	101.3	12466.36	1036.13	13.51	1039.25	3.43
12989	96.7	100.3	12462.77	1067.69	7.55	1070.49	3.48
13020	96.3	99.2	12459.26	1098.32	2.33	1100.84	3.75
13052	95.9	99.9	12455.86	1129.98	-2.95	1132.22	2.51
13084	96.7	99.2	12452.35	1161.62	-8.22	1163.59	3.31
13147	97.3	97.8	12444.67	1223.93	-17.47	1225.43	2.4
13179	97.6	97.5	12440.52	1255.59	-21.69	1256.87	1.32
13242	97.2	96.1	12432.41	1317.98	-29.09	1318.91	2.29
13274	97.4	96.1	12428.34	1349.69	-32.46	1350.47	0.62
13306	97.8	96.1	12424.11	1381 38	-35.83	1382.01	1.25
13338	97.6	95.4	12419.82	1413.08	-39.01	1413.56	2.26
13369	97.6	95.4	12415.72	1443.79	-41.9	1444.15	0
13401	98.1	95.4	12411.35	1475.48	-44.88	1475.71	1.56
13433	98.5	95	12406.73	1507.13	-47.75	1507.25	1.76
13497	97.8	95.4	12397.66	1570.47	-53.5	1570.34	1.26
13560	97.9	94.7	12389.05	1632.86	-58.99	1632.5	1.11
13592	98.2	95	12384.57	1664.54	-61.67	1664.08	1.32
13655	96.6	96.8	12376.46	1726.96	-68.09	1726.21	3.8
13719	96.9	97.5	12368.93	1790.41	-76	1789.28	1.18
13782	95.6	98.2	12362.08	1852.87	-84.56	1851.31	2.34
13845	95.1	97.8	12356.2	1915.43	-93.28	1913.43	1.01
13909	93.1	97.8	12351.63	1979.1	-101.95	1976.67	3.12
13972	93.3	96.8	12348.11	2041.88	-109.94	2039.06	1.62
14035	93.2	97.1	12344.54	2104.68	-117.55	2101.5	0.5
14099	93.9	96.8	12340.57	2168.46	-125.28	2164.91	1.19
14162	94	96.1	12336.23	2231.24	-132.34	2227.36	1.12
14225	94	96.1	12331.84	2294.04	-139.02	2289.85	0
14277	94	96.1	12328.21	2345.87	-144.53	2341.43	0

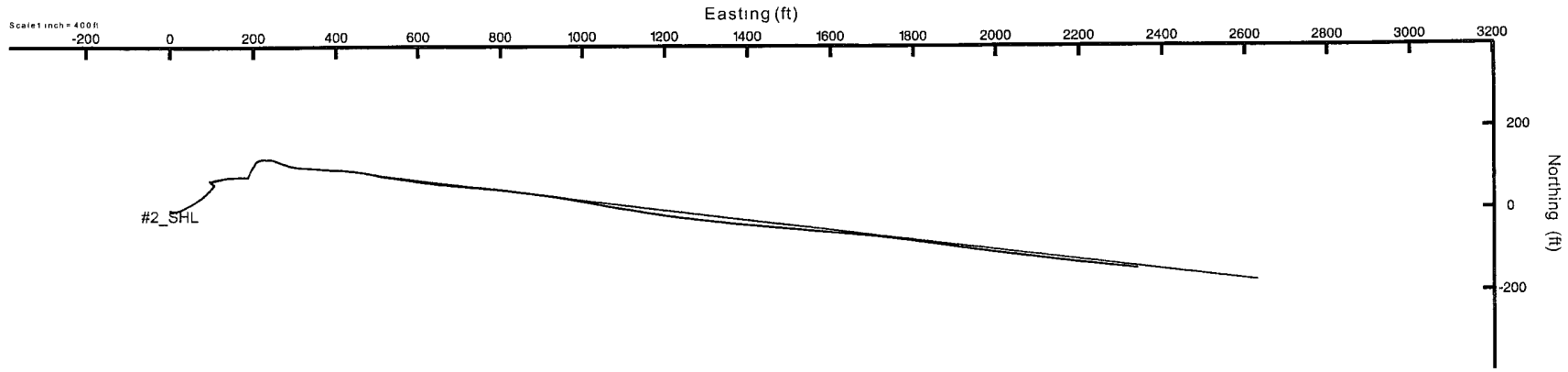
WELLPATH COMPOSITION Ref Wellbore: #2_AWB Ref Wellpath: #2 AWP

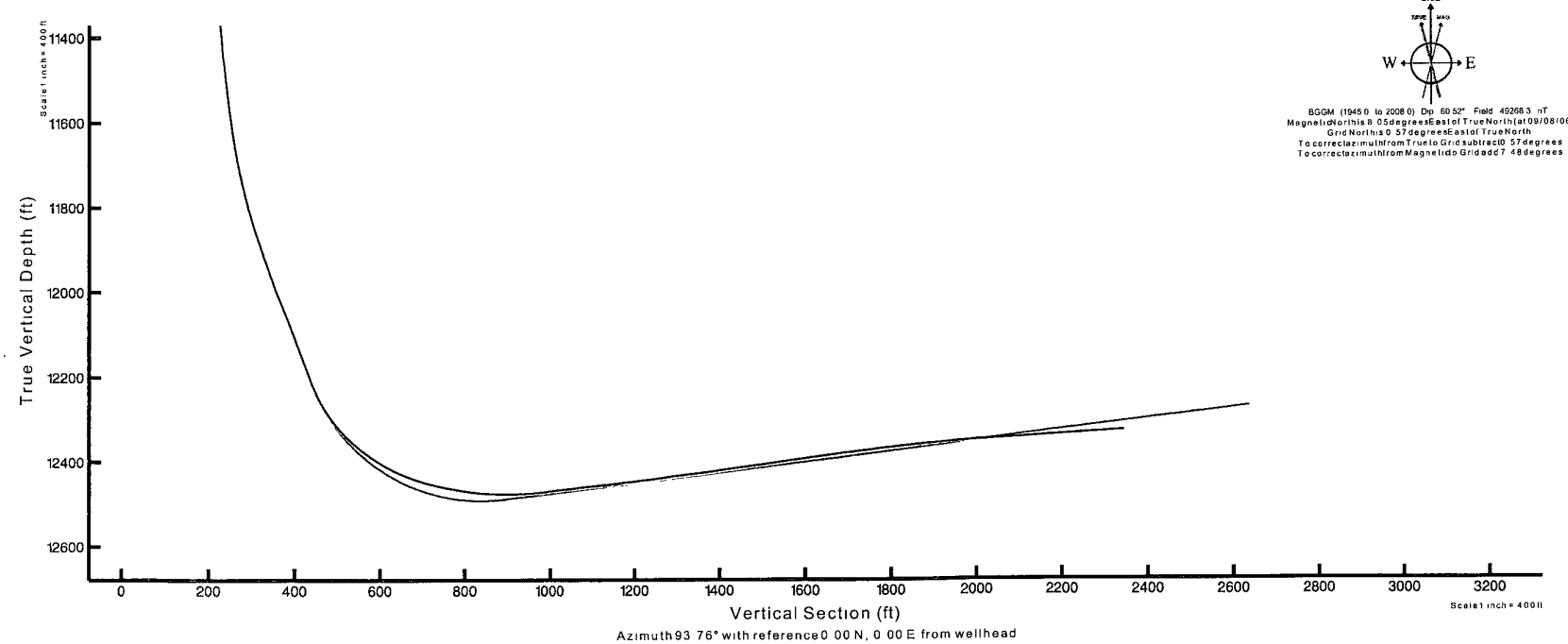
Log Name/	Start MD feet	End MD feet	Pos Unc Model
Gyro	0	9804	Gyrodata standard - Drop gyro or Multi-shot
MWD	9804	14277	NaviTrak (Standard)

Chesapeake Operating, Inc.

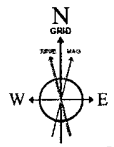
Location	Lea County, NM	Slot	#2_SHL
Field	Langley (Devonian) Field	Well	Langley Getty Com #2
Facility	Langley Getty Com	Wellbore	#2 AWB

Plot reference wellpath is #2 AWP	
True vertical depths are referenced to Rig on #2_SHL (RT)	Grid System NAD27 / TM New Mexico State Planes Eastern Zone (3001) US feet
Measured depths are referenced to Rig on #2_SHL (RT)	North Reference Grid north
Rig on #2_SHL (RT) to Mean Sea Level 3541 feet	Scale True distance
Mean Sea Level to Mud line (Facility Langley Getty Com) 3521 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by gmmeason on 10/18/2006





Azimuth 93 76° with reference 0 00 N, 0 00 E from wellhead



BGGM (1945 0 to 2008 0) Dip 60 52° Field 49268 3 nT
Magnetic North is 8 05 degrees East of True North (at 09/08/06)
Grid North is 0 57 degrees East of True North
To correct azimuth from True to Grid subtract 0 57 degrees
To correct azimuth from Magnetic to Grid add 7 48 degrees

Chesapeake
Natural Gas.
Natural Advantages.

Actual Wellpath Report

#2 AWP

BAKER HUGHES
INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chesapeake Operating, Inc.**	Slot	**#2_SHL**
Area	**Lea County, NM**	Well	**Langley Getty Com #2**
Field	**Langley (Devonian) Field**	Wellbore	**#2_AWB**
Facility	**Langley Getty Com**		

REPORT SETUP INFORMATION			
Projection System	**NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet**	Software System	**WellArchitect™ 1.2**
North Reference	**Grid**	User	**Gomeoscr**
Scale	**1.00003**	Report Generated	**10/16/06** at **08:41:05**
Wellbore last revised	**09/14/06**	Database/Source file	**WellArchitectDB/#2_A'**

WELLPATH LOCATION	Local coordinates		Grid coordinates		Geographic coordinates	
	North [feet]	**East [feet]**	**Easting [US feet]**	**Northing [US feet]**	**Latitude [°]**	**Longitude [°]**
Slot Location	**0.00**	**0.00**	826723.00	500886.40	32 22 21.398N	103 16 30.339W
Facility Reference Pt			**826723.00**	**500886.40**	32 22 21.398N	103 16 30.339W
Field Reference Pt			**0.00**	**0.00**	30 59 24.512N	105 55 44.137W

WELLPATH DATUM			
Calculation method	**Minimum curvature**	Rig on #2_SHL (RT) to Facility Vertical Datum	**20.00 feet**
Horizontal Reference Pt	**Slot**	Rig on #2_SHL (RT) to Mean Sea Level	**3541.00 feet**
Vertical Reference Pt	**Rig on #2_SHL (RT)**	Facility Vertical Datum to Mud Line (Facility)	**0.00 feet**
MD Reference Pt	**Rig on #2_SHL (RT)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**93.76°**

Chesapeake
Natural Gas.
Natural Advantages.

Actual Wellpath Report

#2 AWP

BAKER HUGHES
INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chesapeake Operating, Inc.	Slot	#2_SHL
Area	Lea County, NM	Well	Langley Getty Com #2
Field	Langley (Devonian) Field	Wellbore	#2_AWB
Facility	Langley Getty Com		

WELLPATH DATA (154 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00
200.00	0.260	126.640	200.00	0.38	-0.27	0.36	0.13
400.00	0.120	137.440	400.00	0.91	-0.70	0.87	0.07
600.00	0.280	130.770	600.00	1.46	-1.17	1.38	0.08
800.00	0.270	142.420	799.99	2.16	-1.86	2.04	0.03
1000.00	0.270	122.720	999.99	2.88	-2.49	2.72	0.05
1200.00	0.380	130.980	1199.99	3.82	-3.18	3.62	0.06
1400.00	0.470	114.080	1399.98	5.12	-3.95	4.87	0.08
1600.00	1.150	71.500	1599.96	7.74	-3.65	7.52	0.43
1800.00	1.280	75.840	1799.92	11.73	-2.46	11.59	0.08
2000.00	1.360	80.920	1999.87	16.17	-1.54	16.10	0.07
2200.00	1.600	72.870	2199.80	21.09	-0.35	21.11	0.16
2400.00	3.460	63.080	2399.60	28.89	3.21	29.16	0.95
2600.00	3.540	60.600	2599.22	39.25	8.97	39.92	0.09
2800.00	4.040	60.420	2798.79	50.30	15.48	51.43	0.25
3000.00	3.900	56.600	2998.31	61.61	22.70	63.24	0.15
3200.00	2.630	54.240	3197.98	70.57	29.13	72.64	0.64
3400.00	1.880	46.070	3397.82	76.32	34.09	78.72	0.41
3600.00	2.170	47.180	3597.70	81.13	38.94	83.86	0.15
3800.00	1.930	42.040	3797.57	85.82	44.01	88.90	0.15
4000.00	1.980	44.100	3997.45	90.14	48.99	93.56	0.04
4200.00	1.870	41.000	4197.34	94.35	53.94	98.10	0.08
4400.00	1.510	44.050	4397.25	98.03	58.29	102.07	0.19
4600.00	0.890	45.270	4597.21	100.77	61.28	105.01	0.31
4800.00	0.220	155.200	4797.20	101.98	62.03	106.27	0.49
5000.00	0.730	293.280	4997.19	100.96	62.18	105.27	0.45
5200.00	0.950	306.130	5197.17	98.36	63.66	102.76	0.14
5400.00	1.040	319.020	5397.14	95.68	66.01	100.23	0.12
5600.00	0.930	319.560	5597.11	93.27	68.62	97.98	0.06
5800.00	0.830	318.740	5797.09	91.12	70.94	95.98	0.05
6000.00	0.140	5.040	5997.08	90.10	72.27	95.04	0.37
6200.00	0.080	42.460	6197.08	90.19	72.62	95.16	0.05
6400.00	0.150	245.690	6397.08	90.05	72.61	95.01	0.11
6600.00	0.100	236.940	6597.08	89.68	72.41	94.63	0.03
6800.00	0.080	216.320	6797.08	89.46	72.20	94.40	0.02
7000.00	0.180	128.130	6997.08	89.65	71.90	94.56	0.10
7200.00	0.120	140.200	7197.08	90.05	71.54	94.94	0.03
7400.00	0.380	82.210	7397.08	90.84	71.47	95.74	0.17
7600.00	0.750	77.440	7597.07	92.75	71.85	97.67	0.19
7800.00	0.880	79.350	7797.05	95.49	72.41	100.46	0.07

Chesapeake
Natural Gas.
Natural Advantages.

Actual Wellpath Report

#2 AWP

BAKER HUGHES
INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chesapeake Operating, Inc.**	Slot	**#2_SHL**
Area	**Lea County, NM**	Well	**Langley Getty Com #2**
Field	**Langley (Devonian) Field**	Wellbore	**#2_AWB**
Facility	**Langley Getty Com**		

WELLPATH DATA (154 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
8000.00	0.990	80.780	7997.02	98.66	72.97	103.67	0.06
8200.00	1.210	74.370	8196.98	102.34	73.82	107.41	0.13
8400.00	1.430	76.430	8396.93	106.71	74.98	111.87	0.11
8600.00	2.010	78.790	8596.84	112.48	76.24	117.74	0.29
8800.00	2.160	81.620	8796.71	119.56	77.47	124.91	0.09
9000.00	2.320	79.010	8996.55	127.16	78.79	132.61	0.09
9200.00	3.510	86.630	9196.29	137.15	79.93	142.70	0.62
9400.00	2.990	87.540	9395.97	148.41	80.51	154.02	0.26
9600.00	3.030	86.260	9595.69	158.83	81.08	164.50	0.04
9800.00	2.460	91.520	9795.46	168.36	81.31	174.07	0.31
9804.00	2.410	90.430	9799.46	168.53	81.31	174.24	1.70
10009.00	1.700	98.500	10004.33	175.87	80.83	181.56	0.37
10200.00	0.600	92.900	10195.29	179.69	80.36	185.36	0.58
10391.00	3.300	16.600	10386.17	181.91	85.57	187.93	1.68
10602.00	6.000	29.600	10596.46	188.07	100.99	195.11	1.37
10662.00	6.300	33.100	10656.12	191.05	106.47	198.46	0.80
10693.00	6.200	31.400	10686.94	192.66	109.32	200.26	0.68
10725.00	6.100	25.800	10718.75	194.10	112.33	201.90	1.90
10757.00	5.600	29.600	10750.58	195.42	115.22	203.41	1.98
10789.00	4.500	37.000	10782.46	196.79	117.58	204.94	3.99
10821.00	3.800	49.700	10814.38	198.24	119.27	206.50	3.60
10852.00	4.000	60.200	10845.31	199.88	120.47	208.22	2.39
10884.00	3.900	63.000	10877.23	201.74	121.52	210.16	0.68
10916.00	3.500	65.800	10909.16	203.54	122.41	212.02	1.37
10948.00	2.700	66.200	10941.12	205.07	123.12	213.60	2.50
10979.00	1.700	72.200	10972.09	206.15	123.55	214.71	3.31
11010.00	2.000	80.300	11003.08	207.10	123.78	215.68	1.28
11042.00	3.100	81.300	11035.04	208.49	124.01	217.09	3.44
11075.00	4.300	74.600	11067.98	210.53	124.47	219.16	3.86
11106.00	4.500	74.300	11098.88	212.77	125.11	221.45	0.65
11138.00	4.200	83.800	11130.79	215.11	125.58	223.83	2.44
11170.00	3.600	100.600	11162.72	217.26	125.52	225.98	4.01
11202.00	2.800	113.700	11194.67	218.99	125.02	227.68	3.37
11233.00	2.700	112.600	11225.63	220.40	124.43	229.05	0.36
11265.00	2.600	98.900	11257.60	221.83	124.03	230.46	2.00
11297.00	2.800	90.100	11289.56	223.34	123.92	231.96	1.44
11340.00	3.300	79.600	11332.50	225.58	124.14	234.23	1.74
11372.00	3.900	82.700	11364.44	227.54	124.44	236.21	1.97
11404.00	4.900	89.700	11396.35	229.98	124.59	238.66	3.54
11435.00	5.700	95.700	11427.21	232.84	124.44	241.51	3.14

Chesapeake
Natural Gas.
Natural Advantages.

Actual Wellpath Report

#2 AWP

BAKER HUGHES
INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chesapeake Operating, Inc.**	Slot	**#2_SHL**
Area	**Lea County, NM**	Well	**Langley Getty Com #2**
Field	**Langley (Devonian) Field**	Wellbore	**#2_AWB**
Facility	**Langley Getty Com**		

WELLPATH DATA (154 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
11467.00	6.200	103.800	11459.04	236.13	123.87	244.77	3.05
11499.00	6.600	106.600	11490.84	239.62	122.94	248.21	1.59
11531.00	7.200	110.800	11522.61	243.33	121.70	251.85	2.45
11563.00	7.400	112.200	11554.35	247.20	120.21	255.63	0.84
11594.00	7.600	112.600	11585.09	251.04	118.67	259.38	0.67
11626.00	8.500	112.600	11616.77	255.28	116.94	263.51	2.81
11658.00	9.700	111.900	11648.37	260.08	115.03	268.20	3.77
11690.00	10.700	109.800	11679.86	265.49	113.02	273.49	3.33
11721.00	11.900	108.400	11710.26	271.35	111.03	279.23	3.97
11753.00	12.900	107.000	11741.51	278.02	108.95	285.78	3.26
11785.00	13.900	103.100	11772.64	285.29	107.03	292.94	4.21
11816.00	15.300	98.500	11802.64	293.04	105.58	300.61	5.86
11848.00	16.800	94.700	11833.39	301.88	104.58	309.40	5.72
11879.00	17.800	93.300	11862.99	311.09	103.94	318.59	3.49
11911.00	18.900	92.900	11893.36	321.17	103.40	328.65	3.46
11943.00	18.800	93.600	11923.65	331.51	102.81	338.98	0.77
11975.00	18.900	95.000	11953.93	341.84	102.04	349.28	1.45
12006.00	19.900	95.000	11983.17	352.14	101.14	359.54	3.23
12038.00	21.800	95.000	12013.07	363.52	100.15	370.89	5.94
12070.00	22.100	93.300	12042.75	375.48	99.28	382.82	2.20
12102.00	21.000	91.900	12072.52	387.23	98.74	394.56	3.79
12133.00	20.500	92.600	12101.51	398.21	98.31	405.53	1.80
12165.00	20.300	95.000	12131.50	409.37	97.58	416.66	2.69
12197.00	19.400	95.000	12161.60	420.23	96.63	427.48	2.81
12265.00	22.000	97.500	12225.20	444.23	93.98	451.37	4.04
12296.00	27.000	100.600	12253.40	457.02	91.93	464.05	16.65
12328.00	32.300	101.700	12281.20	472.71	88.86	479.57	16.65
12360.00	37.400	101.300	12307.46	490.83	85.22	497.49	15.95
12392.00	42.800	99.200	12331.93	511.30	81.57	517.76	17.39
12423.00	47.800	98.200	12353.73	533.25	78.25	539.54	16.29
12455.00	52.300	97.800	12374.27	557.70	74.84	563.82	14.10
12487.00	55.600	98.200	12393.10	583.50	71.23	589.44	10.36
12518.00	60.000	97.800	12409.61	609.66	67.59	615.41	14.24
12550.00	64.500	97.100	12424.51	637.91	63.92	643.48	14.20
12582.00	69.500	95.400	12437.01	667.33	60.72	672.76	16.37
12614.00	72.700	95.000	12447.37	697.59	57.98	702.90	10.07
12645.00	75.800	95.400	12455.79	727.41	55.27	732.61	10.08
12677.00	78.600	95.000	12462.87	758.60	52.45	763.69	8.83
12708.00	80.800	95.400	12468.42	789.09	49.68	794.06	7.21
12740.00	83.100	96.400	12472.90	820.75	46.43	825.57	7.83

Chesapeake
Natural Gas.
Natural Advantages.

Actual Wellpath Report

#2 AWP

BAKER HUGHES
INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chesapeake Operating, Inc.**	Slot	**#2_SHL**
Area	**Lea County, NM**	Well	**Langley Getty Com #2**
Field	**Langley (Devonian) Field**	Wellbore	**#2_AWB**
Facility	**Langley Getty Com**		

WELLPATH DATA (154 stations)

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
12771.00	85.700	97.500	12475.92	851.55	42.69	856.19	9.10
12803.00	88.900	97.800	12477.43	883.44	38.44	887.87	10.04
12835.00	91.600	98.200	12477.29	915.35	33.98	919.56	8.53
12867.00	93.500	98.900	12475.87	947.20	29.23	951.17	6.33
12901.00	96.800	99.900	12472.82	980.90	23.70	984.57	10.14
12932.00	96.700	100.600	12469.17	1011.48	18.22	1014.86	2.27
12957.00	96.200	101.300	12466.36	1036.13	13.51	1039.25	3.43
12989.00	96.700	100.300	12462.77	1067.69	7.55	1070.49	3.48
13020.00	96.300	99.200	12459.26	1098.32	2.33	1100.84	3.75
13052.00	95.900	99.900	12455.86	1129.98	-2.95	1132.22	2.51
13084.00	96.700	99.200	12452.35	1161.62	-8.22	1163.59	3.31
13147.00	97.300	97.800	12444.67	1223.93	-17.47	1225.43	2.40
13179.00	97.600	97.500	12440.52	1255.59	-21.69	1256.87	1.32
13242.00	97.200	96.100	12432.41	1317.98	-29.09	1318.91	2.29
13274.00	97.400	96.100	12428.34	1349.69	-32.46	1350.47	0.62
13306.00	97.800	96.100	12424.11	1381.38	-35.83	1382.01	1.25
13338.00	97.600	95.400	12419.82	1413.08	-39.01	1413.56	2.26
13369.00	97.600	95.400	12415.72	1443.79	-41.90	1444.15	0.00
13401.00	98.100	95.400	12411.35	1475.48	-44.88	1475.71	1.56
13433.00	98.500	95.000	12406.73	1507.13	-47.75	1507.25	1.76
13497.00	97.800	95.400	12397.66	1570.47	-53.50	1570.34	1.26
13560.00	97.900	94.700	12389.05	1632.86	-58.99	1632.50	1.11
13592.00	98.200	95.000	12384.57	1664.54	-61.67	1664.08	1.32
13655.00	96.600	96.800	12376.46	1726.96	-68.09	1726.21	3.80
13719.00	96.900	97.500	12368.93	1790.41	-76.00	1789.28	1.18
13782.00	95.600	98.200	12362.08	1852.87	-84.56	1851.31	2.34
13845.00	95.100	97.800	12356.20	1915.43	-93.28	1913.43	1.01
13909.00	93.100	97.800	12351.63	1979.10	-101.95	1976.67	3.12
13972.00	93.300	96.800	12348.11	2041.88	-109.94	2039.06	1.62
14035.00	93.200	97.100	12344.54	2104.68	-117.55	2101.50	0.50
14099.00	93.900	96.800	12340.57	2168.46	-125.28	2164.91	1.19
14162.00	94.000	96.100	12336.23	2231.24	-132.34	2227.36	1.12
14225.00	94.000	96.100	12331.84	2294.04	-139.02	2289.85	0.00
14277.00	94.000	96.100	12328.21	2345.87	-144.53	2341.43	0.00

WELLPATH COMPOSITION Ref Wellbore: #2_AWB Ref Wellpath: #2 AWP

Start MD [feet]	End MD [feet]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	9804.00	Gyrodata standard - Drop gyro or Multi-shot	Gyro	#2_AWB
9804.00	14277.00	NaviTrak (Standard)	MWD	#2_AWB