

Sandridge Energy

Taylor 3406 1-29H (Final)

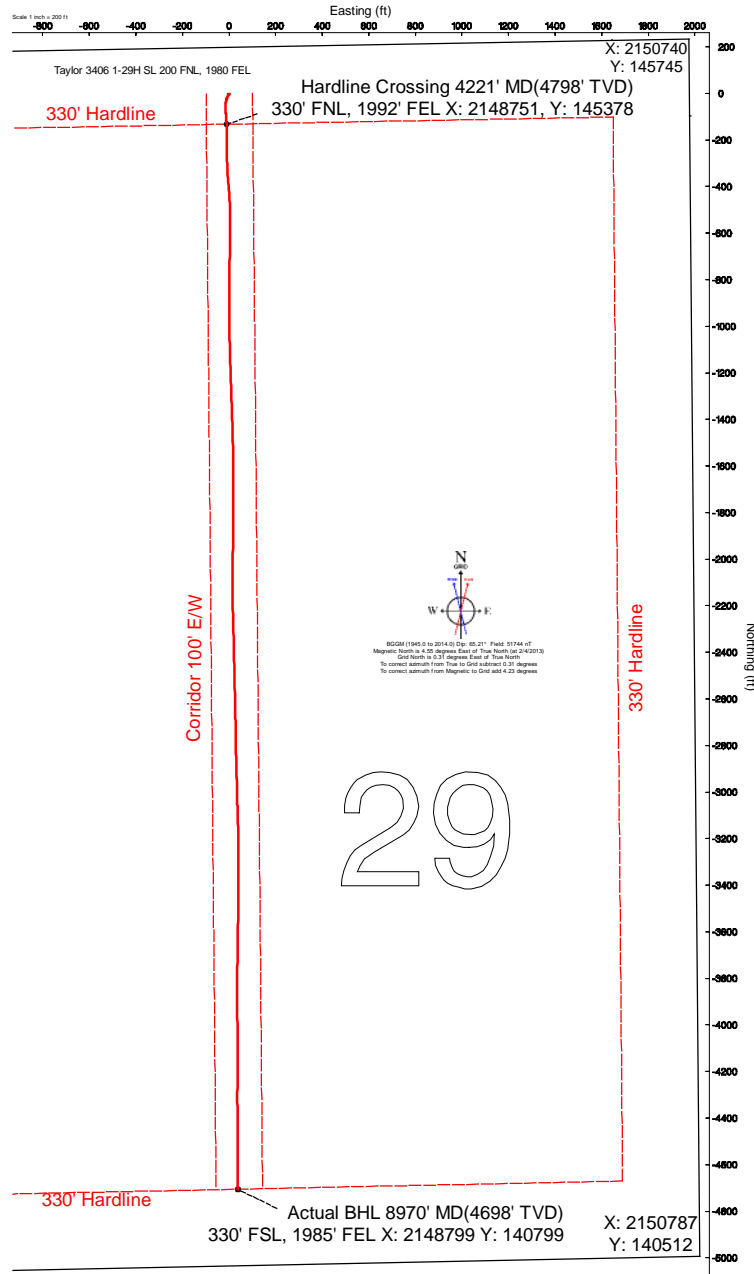
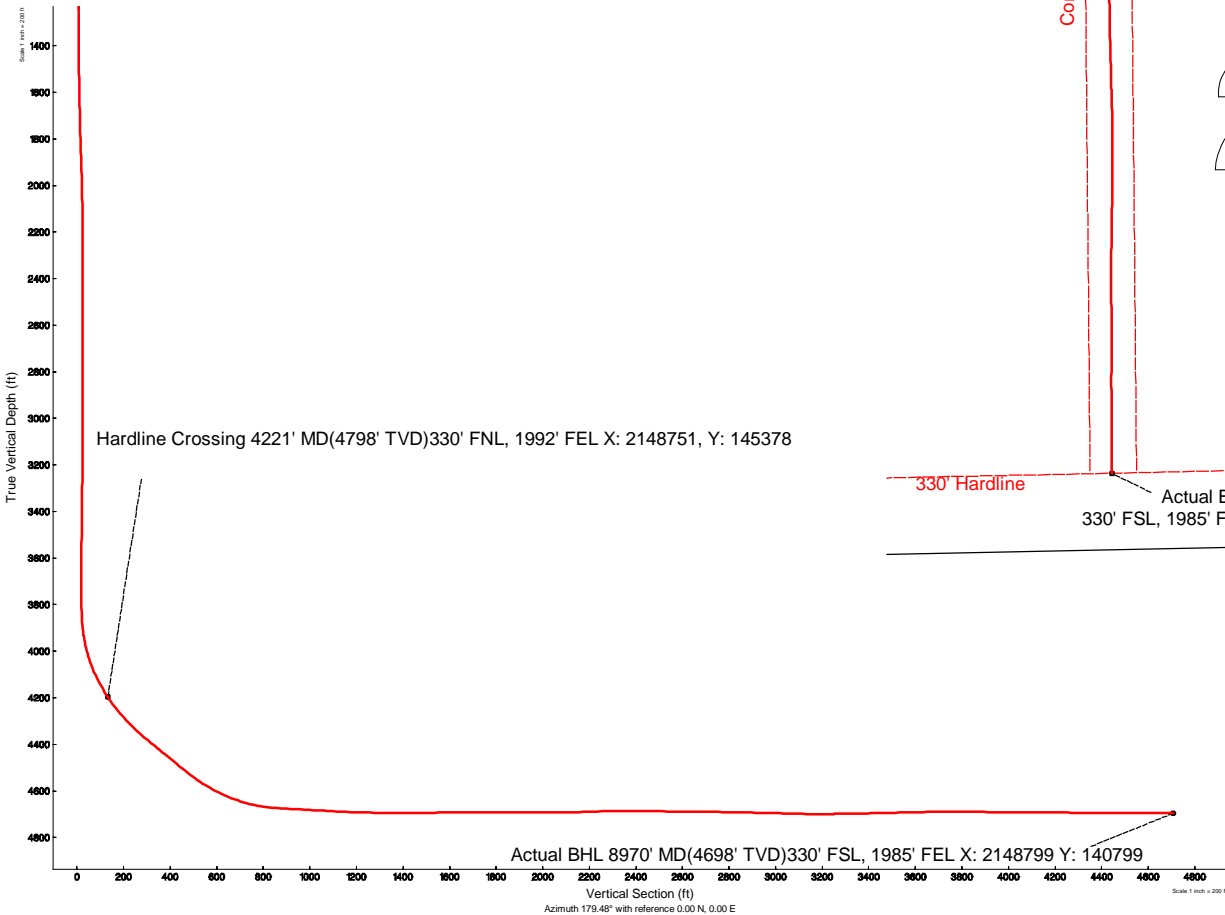
Taylor 3406 1-29H SL 200 FNL, 1980 FEL

Harper County, Kansas (Sandridge Energy) NAD27 / Grid

Plot reference wellpath is Plan 2	
True vertical depths are referenced to Latshaw 38 (KB)	Grid System: NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet
Measured depths are referenced to Latshaw 38 (KB)	North Reference: Grid north
Latshaw 38 (KB) to Mean Sea Level: 1322 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: Taylor 3406 1-29H SL 200 FNL, 1980 FEL): -1307 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: broomart on 2/14/2013

Location Information

Facility Name		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Taylor 3406 1-29H Sec. 29-34S-6W		2148762.000	145508.000	37°03'54.593"N	97°59'24.704"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Taylor 3406 1-29H SL 200 FNL, 1980 FEL	0.00	0.00	2148762.000	145508.000	37°03'54.593"N	97°59'24.704"W
Latshaw 38 (KB) to Mud line (At Slot: Taylor 3406 1-29H SL 200 FNL, 1980 FEL)				15ft		
Mean Sea Level to Mud line (At Slot: Taylor 3406 1-29H SL 200 FNL, 1980 FEL)				-1307ft		
Latshaw 38 (KB) to Mean Sea Level				1322ft		



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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Taylor 3406 1-29H SL 200 FNL, 1980 FEL
Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Taylor 3406 1-29H Actual
Facility	Taylor 3406 1- 29H Sec. 29-34S-6W		

REPORT SETUP INFORMATION			
Projection System	NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet		
North Reference	Grid	Software System	WellArchitect 3.0.0
Convergence at slot	0.31° East	User	Broomarl
Scale	1.00005	Report Generated	3/18/2013 at 3:02:06 PM
Wellbore last revised	02-04-2013	Database/Source file	WA_OklahomaCity

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	2148762.00	145508.00	37°03'54.593"N	97°59'24.704"W
Facility Reference Pt			2148762.00	145508.00	37°03'54.593"N	97°59'24.704"W
Field Reference Pt			2132248.82	161602.28	37°06'34.560"N	98°02'47.460"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Latshaw 38 (KB) to Facility Vertical Datum	15.00ft
Horizontal Reference Pt	Slot	Latshaw 38 (KB) to Mean Sea Level	1322.00ft
Vertical Reference Pt	Latshaw 38 (KB)	Latshaw 38 (KB) to Mud Line at Slot (Taylor 3406 1-29H SL 200 FNL, 1980 FEL)	15.00ft
MD Reference Pt	Latshaw 38 (KB)	Section Origin	N 0.00, E 0.00
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.48°

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Facility	Taylor 3406 1- 29H Sec. 29-34S-6W		

WELLPATH DATA (100 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
0.00	0.000	229.380	0.00	0.00	0.00	0.00	2148762.00	145508.00	0.00	
15.00	0.000	229.380	15.00	0.00	0.00	0.00	2148762.00	145508.00	0.00	
255.00	0.100	229.380	255.00	0.13	-0.14	-0.16	2148761.84	145507.86	0.04	
530.00	0.800	229.380	529.99	1.53	-1.54	-1.80	2148760.20	145506.46	0.25	
665.00	0.300	229.380	664.98	2.36	-2.39	-2.78	2148759.22	145505.61	0.37	
726.00	0.280	229.380	725.98	2.56	-2.59	-3.02	2148758.98	145505.41	0.03	
910.00	0.100	214.680	909.98	2.98	-3.01	-3.45	2148758.55	145504.99	0.10	
1375.00	0.340	199.010	1374.98	4.61	-4.65	-4.13	2148757.87	145503.35	0.05	
1877.00	2.260	206.570	1876.82	14.83	-14.91	-9.04	2148752.96	145493.09	0.38	
2351.00	0.540	53.380	2350.72	21.83	-21.94	-11.43	2148750.57	145486.06	0.58	
2827.00	0.330	184.550	2826.71	21.88	-21.97	-9.74	2148752.26	145486.03	0.17	
3301.00	0.870	350.210	3300.70	19.69	-19.78	-10.46	2148751.54	145488.22	0.25	
3754.00	0.260	98.510	3753.68	16.45	-16.55	-10.03	2148751.97	145491.45	0.22	
3775.00	0.280	128.900	3774.68	16.49	-16.58	-9.94	2148752.06	145491.41	0.68	
3807.00	0.810	192.680	3806.68	16.76	-16.85	-9.93	2148752.07	145491.14	2.28	
3838.00	2.340	201.210	3837.67	17.56	-17.66	-10.21	2148751.79	145490.34	4.98	
3870.00	3.910	205.670	3869.62	19.15	-19.25	-10.91	2148751.08	145488.75	4.96	
3902.00	5.980	202.420	3901.50	21.66	-21.78	-12.02	2148749.98	145486.22	6.53	
3933.00	8.600	195.730	3932.25	25.38	-25.50	-13.27	2148748.73	145482.50	8.87	
3966.00	11.320	191.330	3964.75	30.92	-31.05	-14.57	2148747.43	145476.95	8.55	
3997.00	14.190	187.660	3994.98	37.66	-37.80	-15.68	2148746.32	145470.20	9.62	
4029.00	16.980	183.500	4025.80	46.20	-46.36	-16.49	2148745.51	145461.64	9.39	
4061.00	20.560	179.560	4056.09	56.49	-56.64	-16.73	2148745.27	145451.36	11.86	
4092.00	23.670	176.150	4084.81	68.15	-68.30	-16.27	2148745.73	145439.70	10.85	
4124.00	26.480	175.160	4113.79	81.67	-81.82	-15.24	2148746.76	145426.18	8.88	
4155.00	29.130	174.930	4141.21	96.09	-96.22	-13.98	2148748.01	145411.77	8.56	
4187.00	30.890	175.700	4168.92	112.05	-112.17	-12.68	2148749.32	145395.82	5.63	
4218.00	32.700	176.420	4195.27	128.36	-128.47	-11.56	2148750.44	145379.53	5.97	
4221.00	32.927	176.540	4197.79	129.98	-130.09	-11.46	2148750.54	145377.90	7.88	Hardline Crossing 4221' MD(4798' TVD)330' FNL, 1992' FEL X: 214875
4250.00	35.130	177.630	4221.82	146.19	-146.30	-10.64	2148751.36	145361.70	7.88	
4281.00	37.790	179.220	4246.75	164.61	-164.71	-10.14	2148751.86	145343.28	9.11	
4313.00	40.270	179.660	4271.61	184.76	-184.86	-9.95	2148752.05	145323.13	7.80	
4344.00	42.500	180.090	4294.87	205.25	-205.35	-9.90	2148752.10	145302.64	7.25	
4376.00	44.970	180.270	4317.99	227.37	-227.47	-9.97	2148752.03	145280.52	7.73	
4408.00	47.460	180.400	4340.13	250.47	-250.57	-10.11	2148751.89	145257.42	7.79	
4439.00	49.640	179.290	4360.65	273.70	-273.80	-10.04	2148751.96	145234.18	7.53	
4484.00	50.770	177.230	4389.45	308.26	-308.36	-8.99	2148753.01	145199.63	4.32	
4533.00	50.860	176.190	4420.41	346.20	-346.28	-6.81	2148755.19	145161.71	1.66	
4578.00	50.740	175.620	4448.85	381.00	-381.06	-4.32	2148757.68	145126.92	1.02	
4639.00	50.740	175.660	4487.45	428.13	-428.15	-0.73	2148761.27	145079.83	0.05	
4661.00	50.900	176.190	4501.35	445.15	-445.16	0.48	2148762.48	145062.82	2.00	
4692.00	51.880	177.160	4520.70	469.34	-469.35	1.89	2148763.89	145038.63	4.00	
4724.00	53.370	178.460	4540.12	494.76	-494.76	2.86	2148764.86	145013.22	5.67	
4756.00	55.670	179.470	4558.70	520.82	-520.81	3.32	2148765.32	144987.17	7.63	
4787.00	57.870	179.750	4575.68	546.75	-546.74	3.50	2148765.50	144961.24	7.14	

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Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Taylor 3406 1-29H Actual
Facility	Taylor 3406 1- 29H Sec. 29-34S-6W		

WELLPATH DATA (100 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
4819.00	60.240	180.030	4592.14	574.19	-574.18	3.55	2148765.55	144933.80	7.44	
4851.00	63.210	180.710	4607.29	602.36	-602.36	3.37	2148765.37	144905.62	9.47	
4882.00	66.280	181.040	4620.52	630.39	-630.39	2.94	2148764.94	144877.58	9.95	
4913.00	68.810	181.010	4632.36	659.02	-659.03	2.43	2148764.43	144848.94	8.16	
4945.00	71.300	180.920	4643.27	689.09	-689.10	1.92	2148763.92	144818.87	7.79	
4977.00	74.010	180.940	4652.81	719.63	-719.64	1.42	2148763.42	144788.33	8.47	
5009.00	76.680	180.930	4660.91	750.57	-750.59	0.92	2148762.92	144757.37	8.34	
5040.00	79.980	180.980	4667.18	780.92	-780.94	0.41	2148762.41	144727.02	10.65	
5072.00	82.840	180.500	4671.96	812.55	-812.58	0.00	2148762.00	144695.38	9.06	
5104.00	85.100	180.480	4675.32	844.36	-844.40	-0.27	2148761.73	144663.56	7.06	
5149.00	87.350	180.250	4678.28	889.26	-889.30	-0.55	2148761.45	144618.66	5.03	
5198.00	86.830	180.030	4680.77	938.19	-938.23	-0.67	2148761.33	144569.72	1.15	
5243.00	86.890	179.100	4683.23	983.12	-983.17	-0.33	2148761.67	144524.79	2.07	
5293.00	86.890	178.670	4685.94	1033.04	-1033.08	0.64	2148762.64	144474.87	0.86	
5338.00	86.890	178.600	4688.39	1077.97	-1078.00	1.71	2148763.71	144429.95	0.16	
5396.00	86.860	178.320	4691.55	1135.88	-1135.90	3.27	2148765.27	144372.05	0.48	
5441.00	88.220	177.980	4693.48	1180.82	-1180.83	4.72	2148766.72	144327.12	3.12	
5550.00	89.200	177.700	4695.93	1289.75	-1289.72	8.82	2148770.82	144218.22	0.94	
5643.00	89.570	178.170	4696.93	1382.71	-1382.66	12.18	2148774.18	144125.28	0.64	
5734.00	90.740	178.690	4696.69	1473.69	-1473.62	14.67	2148776.67	144034.31	1.41	
5827.00	90.960	179.430	4695.31	1566.68	-1566.60	16.19	2148778.19	143941.33	0.83	
5919.00	90.640	179.730	4694.02	1658.67	-1658.59	16.87	2148778.87	143849.34	0.48	
6011.00	89.720	180.360	4693.73	1750.66	-1750.58	16.80	2148778.80	143757.34	1.21	
6104.00	89.160	180.100	4694.64	1843.65	-1843.58	16.42	2148778.42	143664.34	0.66	
6196.00	91.360	180.620	4694.22	1935.63	-1935.57	15.84	2148777.85	143572.35	2.46	
6288.00	89.130	181.630	4693.83	2027.59	-2027.54	14.04	2148776.04	143480.37	2.66	
6380.00	91.020	179.130	4693.71	2119.56	-2119.53	13.43	2148775.43	143388.38	3.41	
6473.00	91.860	178.990	4691.37	2212.53	-2212.49	14.95	2148776.95	143295.42	0.92	
6565.00	91.490	178.160	4688.68	2304.48	-2304.42	17.24	2148779.24	143203.48	0.99	
6660.00	89.080	178.780	4688.21	2399.46	-2399.38	19.78	2148781.78	143108.52	2.62	
6755.00	89.140	178.510	4689.69	2494.44	-2494.34	22.02	2148784.02	143013.55	0.29	
6849.00	89.410	178.650	4690.88	2588.42	-2588.30	24.35	2148786.35	142919.59	0.32	
6943.00	89.450	179.010	4691.81	2682.41	-2682.28	26.27	2148788.27	142825.61	0.39	
7037.00	89.050	179.050	4693.04	2776.39	-2776.26	27.86	2148789.86	142731.62	0.43	
7131.00	88.580	178.520	4694.99	2870.37	-2870.21	29.86	2148791.86	142637.66	0.75	
7226.00	88.890	178.680	4697.08	2965.33	-2965.16	32.18	2148794.18	142542.71	0.37	
7321.00	88.060	178.240	4699.61	3060.28	-3060.09	34.73	2148796.73	142447.77	0.99	
7416.00	89.780	178.440	4701.40	3155.24	-3155.03	37.48	2148799.48	142352.83	1.82	
7511.00	90.520	179.840	4701.15	3250.24	-3250.02	38.91	2148800.91	142257.84	1.67	
7605.00	91.200	180.400	4699.74	3344.22	-3344.01	38.71	2148800.71	142163.85	0.94	
7700.00	91.720	180.210	4697.32	3439.18	-3438.97	38.20	2148800.20	142068.88	0.58	
7794.00	90.650	180.520	4695.38	3533.15	-3532.95	37.60	2148799.61	141974.89	1.19	
7890.00	91.910	181.070	4693.23	3629.10	-3628.92	36.27	2148798.27	141878.93	1.43	
7985.00	90.400	180.750	4691.32	3724.04	-3723.88	34.76	2148796.77	141783.96	1.62	
8080.00	89.380	180.360	4691.50	3819.02	-3818.88	33.84	2148795.85	141688.96	1.15	

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REFERENCE WELLPATH IDENTIFICATION				
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Area	Kansas		Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid		Wellbore	Taylor 3406 1-29H Actual
Facility	Taylor 3406 1- 29H Sec. 29-34S-6W			

WELLPATH DATA (100 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
8175.00	88.860	179.410	4692.96	3914.01	-3913.86	34.03	2148796.04	141593.97	1.14	
8269.00	89.080	179.520	4694.65	4007.99	-4007.84	34.91	2148796.91	141499.98	0.26	
8363.00	90.560	180.200	4694.94	4101.99	-4101.84	35.14	2148797.14	141405.98	1.73	
8458.00	89.510	180.120	4694.89	4196.98	-4196.84	34.88	2148796.88	141310.98	1.11	
8553.00	89.350	180.250	4695.83	4291.97	-4291.83	34.57	2148796.57	141215.98	0.22	
8648.00	89.480	178.990	4696.80	4386.96	-4386.82	35.20	2148797.20	141120.99	1.33	
8742.00	89.600	179.610	4697.56	4480.96	-4480.81	36.35	2148798.35	141026.99	0.67	
8838.00	90.000	179.660	4697.89	4576.96	-4576.81	36.96	2148798.96	140930.99	0.42	
8926.00	89.810	179.950	4698.04	4664.95	-4664.81	37.26	2148799.26	140842.99	0.39	
8970.00	89.810	179.950	4698.18	4708.95	-4708.81	37.30	2148799.30	140798.99	0.00	Actual BHL 8970' MD(4698' TVD)330' FSL, 1985' FEL X: 2148799 Y:

TARGETS										
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape	
BHL 330' FSL, 1980' FEL		4701.43	-4707.79	43.00	2148805.00	140800.00	37°03'08.043"N	97°59'24.491"W	point	

WELLPATH COMPOSITION - Ref Wellbore: Taylor 3406 1-29H Actual Ref Wellpath: AWP - Final				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	665.00	EMS (Standard)	Single Shot Surveys	Taylor 3406 1-29H Actual
665.00	8926.00	NaviTrak (Standard)	INTEQ - MWD	Taylor 3406 1-29H Actual
8926.00	8970.00	Blind Drilling (std)	Projection to bit	Taylor 3406 1-29H Actual