

30 045 34436



Scientific Drilling

Gyroscopic Survey Report
for
CONOCO PHILLIPS

Well Location	RANDLEMAN #1N
Well Name	Randleman #1N
Rig Name	Basin Wireline
Survey Date	6/2/2008
Latitude	36.90 deg
North Reference	True North
Grid Correction	0.00 deg
Depth Reference	RKB
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 0.00Azim (deg)
Definitive Survey	Computed from R#1.BIN's HighSpeed: InRun
Operator	MATLOCK STANLEY

Comments

SURVEYED FROM RKB TO 6400'



Scientific Drilling

Survey Report

Well Name:		Randleman #1N							
Survey:		Computed from R#1.BIN's HighSpeed InRun							
Survey Date:		6/2/2008							
MD	Inc	Azim	TVD	VS	Northing	Easting	DLS	Closure Distance	Closure Angle
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	1.69	260.01	99.99	-0.26	-0.26	-1.45	1.69	1.48	260.01
200.00	1.66	258.32	199.94	-0.80	-0.80	-4.32	0.06	4.40	259.45
300.00	1.88	260.70	299.90	-1.36	-1.36	-7.36	0.24	7.48	259.51
400.00	1.87	261.95	399.84	-1.86	-1.86	-10.59	0.04	10.75	260.06
500.00	1.70	263.16	499.79	-2.26	-2.26	-13.68	0.17	13.87	260.61
600.00	1.66	265.34	599.75	-2.56	-2.56	-16.60	0.08	16.80	261.25
700.00	1.42	264.71	699.71	-2.79	-2.79	-19.28	0.24	19.48	261.77
800.00	1.46	265.59	799.68	-3.00	-3.00	-21.79	0.05	22.00	262.16
900.00	1.28	268.08	899.65	-3.14	-3.14	-24.18	0.20	24.38	262.61
1000.00	1.24	270.44	999.63	-3.17	-3.17	-26.38	0.06	26.57	263.16
1100.00	0.93	270.93	1099.61	-3.14	-3.14	-28.27	0.31	28.45	263.65
1200.00	0.81	252.57	1199.60	-3.34	-3.34	-29.77	0.30	29.95	263.59
1300.00	0.84	248.88	1299.59	-3.82	-3.82	-31.13	0.06	31.36	263.00
1400.00	0.88	245.96	1399.58	-4.40	-4.40	-32.51	0.06	32.81	262.30
1500.00	0.89	245.85	1499.57	-5.03	-5.03	-33.92	0.01	34.29	261.57
1600.00	0.78	257.08	1599.56	-5.49	-5.49	-35.29	0.20	35.71	261.15
1700.00	0.63	253.95	1699.55	-5.80	-5.80	-36.48	0.15	36.94	260.97
1800.00	0.60	251.51	1799.54	-6.12	-6.12	-37.50	0.04	38.00	260.74
1900.00	0.58	251.80	1899.54	-6.44	-6.44	-38.47	0.02	39.01	260.50
2000.00	0.52	250.39	1999.53	-6.75	-6.75	-39.38	0.06	39.95	260.28
2100.00	0.51	244.16	2099.53	-7.09	-7.09	-40.20	0.06	40.82	259.99
2200.00	0.55	224.13	2199.52	-7.63	-7.63	-40.94	0.19	41.64	259.44
2300.00	0.47	228.73	2299.52	-8.25	-8.25	-41.58	0.09	42.39	258.78
2400.00	0.36	265.66	2399.52	-8.55	-8.55	-42.21	0.29	43.07	258.55
2500.00	0.30	259.06	2499.52	-8.62	-8.62	-42.79	0.07	43.65	258.61
2600.00	0.50	242.51	2599.51	-8.87	-8.87	-43.43	0.22	44.33	258.46
2700.00	0.73	237.02	2699.51	-9.42	-9.42	-44.35	0.24	45.34	258.01
2800.00	0.63	236.52	2799.50	-10.06	-10.06	-45.34	0.10	46.44	257.49
2900.00	0.61	169.88	2899.50	-10.89	-10.89	-45.70	0.68	46.98	256.60
3000.00	0.57	137.10	2999.49	-11.78	-11.78	-45.27	0.33	46.78	255.42
3100.00	0.47	131.22	3099.49	-12.41	-12.41	-44.62	0.11	46.31	254.46
3200.00	0.32	113.37	3199.48	-12.79	-12.79	-44.05	0.20	45.87	253.81
3300.00	0.26	106.51	3299.48	-12.97	-12.97	-43.58	0.07	45.47	253.42
3400.00	0.17	99.82	3399.48	-13.06	-13.06	-43.21	0.10	45.14	253.18
3500.00	0.20	101.23	3499.48	-13.12	-13.12	-42.89	0.02	44.85	252.99
3600.00	0.52	57.64	3599.48	-12.91	-12.91	-42.34	0.40	44.26	253.04
3700.00	0.41	55.01	3699.48	-12.46	-12.46	-41.66	0.12	43.49	253.34
3800.00	0.08	150.94	3799.48	-12.32	-12.32	-41.34	0.42	43.14	253.40



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Survey Report

Well Name: Randleman #1N
Survey: Computed from R#1 BIN's HighSpeed InRun
Survey Date: 6/2/2008

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft	Closure Distance ft	Closure Angle deg
3900.00	0.20	188.62	3899.48	-12.56	-12.56	-41.33	0.15	43.20	253.09
4000.00	0.29	173.29	3999.47	-12.99	-12.99	-41.33	0.11	43.32	252.56
4100.00	0.51	132.42	4099.47	-13.54	-13.54	-40.97	0.35	43.15	251.72
4200.00	0.59	131.82	4199.47	-14.18	-14.18	-40.26	0.08	42.68	250.59
4300.00	0.55	123.68	4299.46	-14.79	-14.79	-39.47	0.09	42.15	249.45
4400.00	0.62	66.25	4399.46	-14.84	-14.84	-38.58	0.56	41.33	248.96
4500.00	0.53	73.94	4499.45	-14.50	-14.50	-37.64	0.12	40.33	248.94
4600.00	0.43	92.87	4599.45	-14.39	-14.39	-36.82	0.19	39.53	248.66
4700.00	0.49	121.19	4699.45	-14.63	-14.63	-36.08	0.23	38.93	247.93
4800.00	0.77	122.99	4799.44	-15.22	-15.22	-35.15	0.28	38.30	246.59
4900.00	0.34	141.37	4899.44	-15.81	-15.81	-34.40	0.47	37.86	245.31
5000.00	0.22	302.66	4999.44	-15.93	-15.93	-34.38	0.55	37.89	245.13
5100.00	0.17	318.09	5099.43	-15.72	-15.72	-34.64	0.08	38.04	245.59
5200.00	0.63	42.67	5199.43	-15.21	-15.21	-34.37	0.64	37.58	246.13
5300.00	0.63	53.24	5299.43	-14.47	-14.47	-33.55	0.12	36.54	246.67
5400.00	1.03	37.65	5399.42	-13.42	-13.42	-32.55	0.45	35.21	247.59
5500.00	0.60	46.03	5499.41	-12.35	-12.35	-31.62	0.44	33.95	248.68
5600.00	0.34	99.83	5599.40	-12.03	-12.03	-30.95	0.49	33.21	248.76
5700.00	1.52	41.58	5699.39	-11.09	-11.09	-29.78	1.37	31.78	249.58
5800.00	1.62	38.76	5799.35	-8.99	-8.99	-28.02	0.13	29.42	252.20
5900.00	1.14	42.19	5899.32	-7.15	-7.15	-26.46	0.49	27.41	254.88
6000.00	0.96	47.56	5999.30	-5.85	-5.85	-25.18	0.21	25.85	256.92
6100.00	0.43	58.99	6099.30	-5.09	-5.09	-24.23	0.54	24.76	258.14
6200.00	0.32	99.96	6199.30	-4.94	-4.94	-23.63	0.28	24.14	258.19
6300.00	0.53	118.87	6299.29	-5.22	-5.22	-22.95	0.25	23.53	257.19
6400.00	1.30	111.41	6399.28	-5.85	-5.85	-21.49	0.77	22.27	254.76