

Scientific Drilling

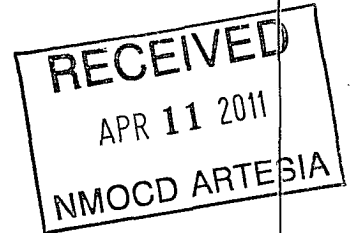
Gyroscopic Survey Report
for
DEVON ENERGY

30-015-37906

Well Location	EDDY COUNTY, NEW MEXICO
Well Name	NORTH PURE GOLD 8 FED. #14H
Rig Name	H & P #416
Survey Date	9/20/2010
Latitude	32.31 deg
North Reference	Grid North
Grid Correction	-0.29 deg
Depth Reference	RKB
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 0.23Azim (deg)
Definitive Survey	FINAL OUTFRAN
Operator	LEO GARZA

Comments

ZERO REFERENCE IS AT K.B. OF 25'.



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Well Name:		NORTH PURE GOLD 8 FED. #14H								
Survey:		FINAL OUTFUN								
Survey Date:		9/20/2010								
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	0.23	117.88	100.00	-0.09	-0.09	0.18	0.23	0.20	117.88	
200.00	0.27	63.29	200.00	-0.08	-0.08	0.57	0.23	0.57	98.26	
300.00	0.39	262.88	300.00	-0.02	-0.02	0.44	0.65	0.44	92.43	
400.00	0.25	254.80	400.00	-0.12	-0.12	-0.11	0.14	0.16	223.94	
500.00	0.21	216.95	500.00	-0.33	-0.33	-0.44	0.16	0.55	233.45	
600.00	0.35	210.11	599.99	-0.74	-0.74	-0.70	0.13	1.02	223.69	
700.00	0.20	220.60	699.99	-1.14	-1.13	-0.97	0.15	1.49	220.60	
800.00	0.17	225.59	799.99	-1.38	-1.37	-1.19	0.03	1.82	221.02	
900.00	0.22	227.24	899.99	-1.61	-1.61	-1.44	0.04	2.16	221.88	
1000.00	0.29	200.06	999.99	-1.98	-1.97	-1.67	0.14	2.58	220.21	
1100.00	0.33	188.18	1099.99	-2.50	-2.49	-1.79	0.08	3.07	215.73	
1200.00	0.24	184.10	1199.99	-2.99	-2.98	-1.85	0.10	3.51	211.78	
1300.00	0.28	192.40	1299.99	-3.43	-3.42	-1.91	0.06	3.92	209.21	
1400.00	0.27	184.52	1399.99	-3.90	-3.89	-1.98	0.04	4.37	207.03	
1500.00	0.23	192.34	1499.99	-4.33	-4.32	-2.05	0.05	4.78	205.35	
1600.00	0.26	193.21	1599.98	-4.74	-4.73	-2.14	0.03	5.20	204.33	
1700.00	0.21	208.26	1699.98	-5.12	-5.11	-2.28	0.08	5.60	204.01	
1800.00	0.38	191.50	1799.98	-5.61	-5.60	-2.43	0.19	6.10	203.47	
1900.00	0.31	204.66	1899.98	-6.17	-6.16	-2.61	0.10	6.69	202.93	
2000.00	0.26	196.80	1999.98	-6.64	-6.63	-2.79	0.07	7.19	202.81	
2100.00	0.32	238.13	2099.98	-7.00	-6.99	-3.09	0.21	7.64	203.83	
2200.00	0.26	257.47	2199.98	-7.20	-7.18	-3.54	0.11	8.01	206.26	
2300.00	0.40	270.62	2299.98	-7.24	-7.23	-4.12	0.16	8.32	209.66	
2400.00	0.45	283.17	2399.97	-7.16	-7.14	-4.84	0.10	8.62	214.16	
2500.00	0.51	298.81	2499.97	-6.85	-6.83	-5.61	0.15	8.84	219.41	
2600.00	0.57	314.96	2599.96	-6.29	-6.26	-6.36	0.16	8.93	225.46	
2700.00	0.90	331.63	2699.96	-5.24	-5.22	-7.09	0.39	8.80	233.66	
2800.00	0.91	5.74	2799.94	-3.76	-3.73	-7.38	0.53	8.27	243.17	
2900.00	0.65	29.54	2899.94	-2.48	-2.45	-7.02	0.41	7.44	250.77	
3000.00	0.48	30.01	2999.93	-1.62	-1.59	-6.53	0.17	6.72	256.31	
3100.00	0.48	27.66	3099.93	-0.88	-0.85	-6.13	0.02	6.19	262.06	
3200.00	0.86	27.95	3199.92	0.16	0.18	-5.58	0.38	5.58	271.85	
3300.00	1.21	104.20	3299.91	0.57	0.58	-4.21	1.30	4.25	277.90	
3400.00	2.41	123.04	3399.86	-0.83	-0.82	-1.42	1.33	1.64	239.93	
3500.00	2.37	123.65	3499.77	-3.11	-3.11	2.06	0.05	3.74	146.47	
3600.00	3.24	132.51	3599.65	-6.15	-6.17	5.87	0.98	8.52	136.44	
3700.00	3.45	137.92	3699.48	-10.27	-10.31	9.97	0.38	14.34	135.98	
3800.00	3.68	142.83	3799.29	-15.04	-15.10	13.92	0.38	20.54	137.33	

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Survey Date:		9/20/2010									
MD	Inc	Azim	TVD	VS	Northing	Easting	DLS	Closure Distance	Closure Angle		
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg		
3900.00	3.22	147.57	3899.11	-19.95	-20.02	17.36	0.54	26.50	139.07		
4000.00	2.62	152.68	3998.98	-24.34	-24.42	19.92	0.65	31.51	140.80		
4100.00	2.37	152.80	4098.88	-28.21	-28.29	21.91	0.25	35.79	142.24		
4200.00	2.26	158.99	4198.80	-31.88	-31.97	23.56	0.28	39.72	143.61		
4300.00	2.07	157.29	4298.73	-35.38	-35.48	24.97	0.19	43.38	144.86		
4400.00	2.13	155.18	4398.66	-38.72	-38.83	26.44	0.09	46.98	145.74		
4500.00	2.10	151.76	4498.59	-42.01	-42.12	28.09	0.13	50.63	146.31		
4600.00	1.87	155.34	4598.53	-45.09	-45.21	29.63	0.26	54.06	146.76		
4700.00	1.84	152.96	4698.48	-48.00	-48.13	31.04	0.08	57.27	147.18		
4800.00	1.71	150.62	4798.43	-50.73	-50.86	32.51	0.15	60.36	147.42		
4900.00	1.47	152.20	4898.39	-53.16	-53.30	33.84	0.25	63.14	147.59		
5000.00	1.05	155.73	4998.37	-55.13	-55.27	34.81	0.43	65.32	147.79		
5100.00	0.93	155.07	5098.35	-56.69	-56.84	35.53	0.12	67.03	147.99		
5200.00	0.59	145.64	5198.35	-57.85	-58.00	36.16	0.36	68.35	148.05		
5300.00	0.63	144.61	5298.34	-58.72	-58.87	36.77	0.04	69.41	148.01		
5400.00	0.45	144.60	5398.34	-59.49	-59.64	37.32	0.18	70.35	147.96		
5500.00	0.47	150.70	5498.33	-60.16	-60.31	37.75	0.05	71.15	147.96		
5600.00	0.15	133.87	5598.33	-60.61	-60.76	38.04	0.32	71.69	147.95		
5700.00	0.31	153.67	5698.33	-60.94	-61.10	38.26	0.18	72.09	147.95		
5800.00	0.22	161.65	5798.33	-61.37	-61.52	38.44	0.10	72.55	148.00		
5900.00	0.39	149.31	5898.33	-61.85	-62.00	38.67	0.18	73.07	148.05		
6000.00	0.40	153.48	5998.32	-62.45	-62.61	39.01	0.03	73.77	148.08		
6100.00	0.47	134.85	6098.32	-63.06	-63.21	39.45	0.15	74.52	148.03		
6200.00	0.21	136.13	6198.32	-63.48	-63.64	39.87	0.26	75.09	147.93		
6300.00	0.27	134.41	6298.32	-63.77	-63.94	40.17	0.06	75.51	147.86		
6400.00	0.51	136.27	6398.32	-64.26	-64.42	40.65	0.24	76.18	147.75		
6500.00	0.31	118.11	6498.31	-64.71	-64.88	41.20	0.24	76.85	147.58		
6600.00	0.29	142.82	6598.31	-65.04	-65.21	41.59	0.13	77.34	147.47		
6700.00	0.40	132.56	6698.31	-65.48	-65.64	42.00	0.12	77.93	147.39		
6800.00	0.54	100.31	6798.31	-65.79	-65.97	42.72	0.30	78.59	147.07		
6900.00	0.43	111.19	6898.30	-66.01	-66.18	43.54	0.15	79.22	146.66		
7000.00	0.64	125.18	6998.30	-66.46	-66.64	44.34	0.25	80.05	146.36		
7100.00	0.70	124.18	7098.29	-67.12	-67.31	45.30	0.06	81.13	146.06		
7200.00	0.71	130.84	7198.29	-67.87	-68.06	46.28	0.08	82.30	145.78		
7300.00	0.78	135.54	7298.28	-68.76	-68.95	47.23	0.09	83.57	145.59		
7400.00	0.73	138.40	7398.27	-69.72	-69.91	48.13	0.06	84.87	145.46		
7500.00	0.93	155.52	7498.26	-70.93	-71.12	48.88	0.31	86.30	145.50		
7600.00	1.11	155.62	7598.24	-72.54	-72.74	49.62	0.18	88.05	145.70		

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Well Name: NORTH PURE GOLD 8 FED. #14H
 Survey: FINAL OUTFUN
 Survey Date: 9/20/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft	Closure Distance ft	Closure Angle deg
7700.00	1.31	161.01	7698.22	-74.50	-74.71	50.39	0.23	90.11	146.00
7800.00	1.10	174.27	7798.20	-76.54	-76.74	50.86	0.35	92.07	146.47
7867.00	1.35	185.14	7865.18	-77.97	-78.17	50.85	0.51	93.26	146.96