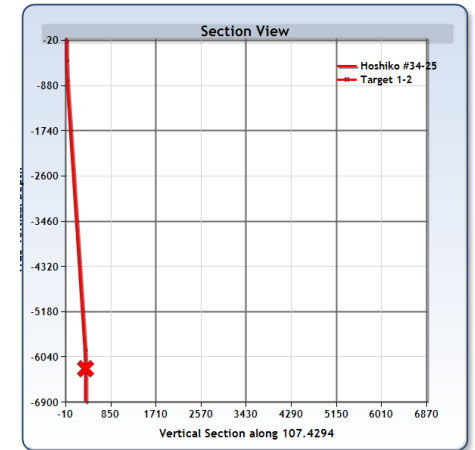
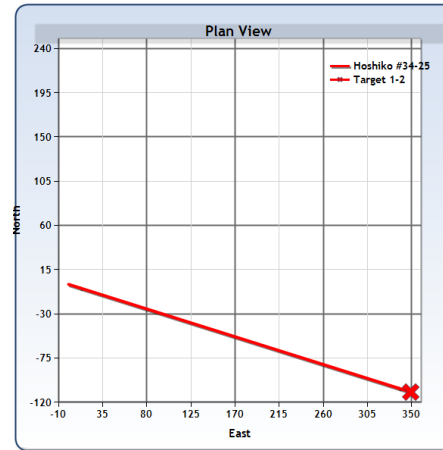


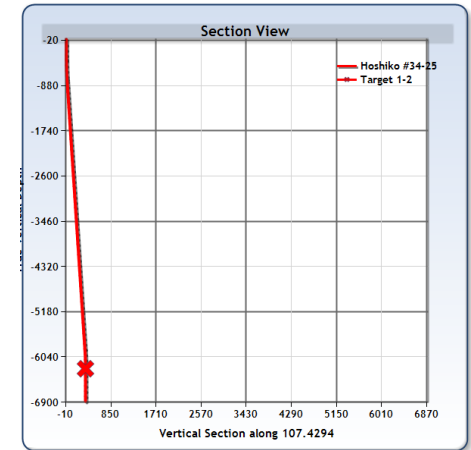
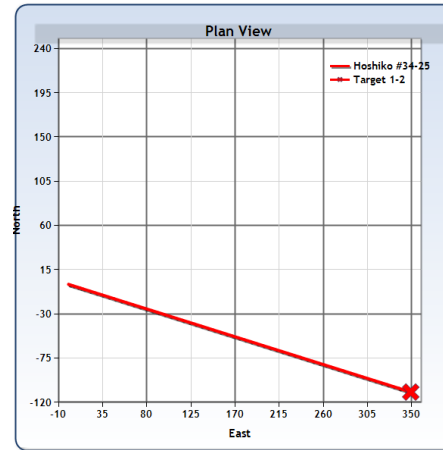
Company: Peterson Energy Operating, Inc
Well Name: Hoshiko #34-25
Location: SWSE Sec. 25-5N-64W
Info: North Reference is True North.
Info:
Vertical Section Calculated on an Azimuth of: 107.4294
Survey Calculation method: Minimum Curvature
File Name: hoshiko #34-25, directional proposal, 08-29-12.pl6



#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	SubSea Feet	Section Feet	Dogleg /100 ft	BldRate /100 ft	Trnrate /100 ft	Comment
0	0.00	0.00	107.43	0.00	0.00	0.00	4604.00	0.00	0.00	0.00	0.00	
1	373.00	0.00	107.43	373.00	0.00	0.00	4231.00	0.00	0.00	0.00	0.00	
2	753.00	3.80	107.43	752.72	-3.77	12.02	3851.28	12.60	1.00	1.00	0.00	
3	5894.80	3.80	107.43	5883.22	-105.84	337.14	-1279.22	353.36	0.00	0.00	0.00	
4	6274.80	0.00	107.43	6262.94	-109.62	349.16	-1658.94	365.96	1.00	1.00	0.00	
5	6894.86	0.00	107.43	6883.00	-109.62	349.16	-2279.00	365.96	0.00	0.00	0.00	

Closure is 365.9605 feet on an Azimuth of 107.4294

Company: Peterson Energy Operating, Inc
Well Name: Hoshiko #34-25
Location: SWSE Sec. 25-5N-64W
Info: North Reference is True North.
Info:
Vertical Section Calculated on an Azimuth of: 107.4294
Survey Calculation method: Minimum Curvature
File Name: Hoshiko #34-25, Directional Surveys, 08-29-12.sr6



#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	SubSea Feet	Section Feet	Dogleg /100 ft	BldRate /100 ft	Trnrate /100 ft	Comment
0	0.00	0.00	107.43	0.00	0.00	0.00	4604.00	0.00	0.00	0.00	0.00	
1	100.00	0.00	107.43	100.00	0.00	0.00	4504.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	107.43	200.00	0.00	0.00	4404.00	0.00	0.00	0.00	0.00	
3	300.00	0.00	107.43	300.00	0.00	0.00	4304.00	0.00	0.00	0.00	0.00	
4	373.00	0.00	107.43	373.00	0.00	0.00	4231.00	0.00	0.00	0.00	0.00	
5	400.00	0.27	107.43	400.00	-0.02	0.06	4204.00	0.06	1.00	1.00	0.00	
6	500.00	1.27	107.43	499.99	-0.42	1.34	4104.01	1.41	1.00	1.00	0.00	
7	600.00	2.27	107.43	599.94	-1.35	4.29	4004.06	4.50	1.00	1.00	0.00	
8	700.00	3.27	107.43	699.82	-2.79	8.90	3904.18	9.33	1.00	1.00	0.00	
9	753.00	3.80	107.43	752.72	-3.77	12.02	3851.28	12.60	1.00	1.00	0.00	
10	800.00	3.80	107.43	799.62	-4.71	14.99	3804.38	15.71	0.00	0.00	0.00	
11	900.00	3.80	107.43	899.40	-6.69	21.31	3704.60	22.34	0.00	0.00	0.00	
12	1000.00	3.80	107.43	999.18	-8.68	27.64	3604.82	28.97	0.00	0.00	0.00	
13	1100.00	3.80	107.43	1098.96	-10.66	33.96	3505.04	35.59	0.00	0.00	0.00	
14	1200.00	3.80	107.43	1198.74	-12.65	40.28	3405.26	42.22	0.00	0.00	0.00	
15	1300.00	3.80	107.43	1298.52	-14.63	46.61	3305.48	48.85	0.00	0.00	0.00	
16	1400.00	3.80	107.43	1398.30	-16.62	52.93	3205.70	55.48	0.00	0.00	0.00	

Peterson Energy Management, Inc.
 2154 W. Eisenhower Blvd.
 Loveland CO, 80537
 P: 970-669-7411 F: 970-669-4077
 C.L.D.



Aug 29, 2012 09:35 AM

#	Depth	Inc	Azimuth	TVD	North	East	SubSea	Section	Dogleg	BldRate	Trnrate	Comment
17	1500.00	3.80	107.43	1498.08	-18.60	59.25	3105.92	62.10	0.00	0.00	0.00	
18	1600.00	3.80	107.43	1597.86	-20.59	65.58	3006.14	68.73	0.00	0.00	0.00	
19	1700.00	3.80	107.43	1697.64	-22.57	71.90	2906.36	75.36	0.00	0.00	0.00	
20	1800.00	3.80	107.43	1797.42	-24.56	78.22	2806.58	81.99	0.00	0.00	0.00	
21	1900.00	3.80	107.43	1897.20	-26.54	84.54	2706.80	88.61	0.00	0.00	0.00	
22	2000.00	3.80	107.43	1996.98	-28.53	90.87	2607.02	95.24	0.00	0.00	0.00	
23	2100.00	3.80	107.43	2096.76	-30.51	97.19	2507.24	101.87	0.00	0.00	0.00	
24	2200.00	3.80	107.43	2196.54	-32.50	103.51	2407.46	108.49	0.00	0.00	0.00	
25	2300.00	3.80	107.43	2296.32	-34.48	109.84	2307.68	115.12	0.00	0.00	0.00	
26	2400.00	3.80	107.43	2396.10	-36.47	116.16	2207.90	121.75	0.00	0.00	0.00	
27	2500.00	3.80	107.43	2495.88	-38.45	122.48	2108.12	128.38	0.00	0.00	0.00	
28	2600.00	3.80	107.43	2595.66	-40.44	128.81	2008.34	135.00	0.00	0.00	0.00	
29	2700.00	3.80	107.43	2695.44	-42.42	135.13	1908.56	141.63	0.00	0.00	0.00	
30	2800.00	3.80	107.43	2795.22	-44.41	141.45	1808.78	148.26	0.00	0.00	0.00	
31	2900.00	3.80	107.43	2895.00	-46.39	147.78	1709.00	154.89	0.00	0.00	0.00	
32	3000.00	3.80	107.43	2994.78	-48.38	154.10	1609.22	161.51	0.00	0.00	0.00	
33	3100.00	3.80	107.43	3094.56	-50.36	160.42	1509.44	168.14	0.00	0.00	0.00	
34	3200.00	3.80	107.43	3194.34	-52.35	166.74	1409.66	174.77	0.00	0.00	0.00	
35	3300.00	3.80	107.43	3294.12	-54.33	173.07	1309.88	181.40	0.00	0.00	0.00	
36	3400.00	3.80	107.43	3393.90	-56.32	179.39	1210.10	188.02	0.00	0.00	0.00	
37	3500.00	3.80	107.43	3493.68	-58.30	185.71	1110.32	194.65	0.00	0.00	0.00	
38	3600.00	3.80	107.43	3593.46	-60.29	192.04	1010.54	201.28	0.00	0.00	0.00	
39	3700.00	3.80	107.43	3693.24	-62.27	198.36	910.76	207.91	0.00	0.00	0.00	
40	3800.00	3.80	107.43	3793.02	-64.26	204.68	810.98	214.53	0.00	0.00	0.00	
41	3900.00	3.80	107.43	3892.80	-66.24	211.01	711.20	221.16	0.00	0.00	0.00	
42	4000.00	3.80	107.43	3992.58	-68.23	217.33	611.42	227.79	0.00	0.00	0.00	
43	4100.00	3.80	107.43	4092.36	-70.21	223.65	511.64	234.42	0.00	0.00	0.00	
44	4200.00	3.80	107.43	4192.14	-72.20	229.98	411.86	241.04	0.00	0.00	0.00	
45	4300.00	3.80	107.43	4291.92	-74.18	236.30	312.08	247.67	0.00	0.00	0.00	
46	4400.00	3.80	107.43	4391.70	-76.17	242.62	212.30	254.30	0.00	0.00	0.00	
47	4500.00	3.80	107.43	4491.48	-78.15	248.95	112.52	260.92	0.00	0.00	0.00	
48	4600.00	3.80	107.43	4591.26	-80.14	255.27	12.74	267.55	0.00	0.00	0.00	



#	Depth	Inc	Azimuth	TVD	North	East	SubSea	Section	Dogleg	BldRate	Trnrate	Comment
49	4700.00	3.80	107.43	4691.04	-82.13	261.59	-87.04	274.18	0.00	0.00	0.00	
50	4800.00	3.80	107.43	4790.82	-84.11	267.91	-186.82	280.81	0.00	0.00	0.00	
51	4900.00	3.80	107.43	4890.60	-86.10	274.24	-286.60	287.43	0.00	0.00	0.00	
52	5000.00	3.80	107.43	4990.38	-88.08	280.56	-386.38	294.06	0.00	0.00	0.00	
53	5100.00	3.80	107.43	5090.16	-90.07	286.88	-486.16	300.69	0.00	0.00	0.00	
54	5200.00	3.80	107.43	5189.94	-92.05	293.21	-585.94	307.32	0.00	0.00	0.00	
55	5300.00	3.80	107.43	5289.72	-94.04	299.53	-685.72	313.94	0.00	0.00	0.00	
56	5400.00	3.80	107.43	5389.50	-96.02	305.85	-785.50	320.57	0.00	0.00	0.00	
57	5500.00	3.80	107.43	5489.29	-98.01	312.18	-885.29	327.20	0.00	0.00	0.00	
58	5600.00	3.80	107.43	5589.07	-99.99	318.50	-985.07	333.83	0.00	0.00	0.00	
59	5700.00	3.80	107.43	5688.85	-101.98	324.82	-1084.85	340.45	0.00	0.00	0.00	
60	5800.00	3.80	107.43	5788.63	-103.96	331.15	-1184.63	347.08	0.00	0.00	0.00	
61	5894.80	3.80	107.43	5883.22	-105.84	337.14	-1279.22	353.36	0.00	0.00	0.00	
62	5900.00	3.75	107.43	5888.41	-105.95	337.47	-1284.41	353.71	1.00	1.00	0.00	
63	6000.00	2.75	107.43	5988.24	-107.64	342.87	-1384.24	359.37	1.00	1.00	0.00	
64	6100.00	1.75	107.43	6088.17	-108.82	346.61	-1484.17	363.29	1.00	1.00	0.00	
65	6200.00	0.75	107.43	6188.14	-109.47	348.69	-1584.14	365.47	1.00	1.00	0.00	
66	6274.80	0.00	107.43	6262.94	-109.62	349.16	-1658.94	365.96	1.00	1.00	0.00	
67	6300.00	0.00	107.43	6288.14	-109.62	349.16	-1684.14	365.96	0.00	0.00	0.00	
68	6400.00	0.00	107.43	6388.14	-109.62	349.16	-1784.14	365.96	0.00	0.00	0.00	
69	6500.00	0.00	107.43	6488.14	-109.62	349.16	-1884.14	365.96	0.00	0.00	0.00	
70	6600.00	0.00	107.43	6588.14	-109.62	349.16	-1984.14	365.96	0.00	0.00	0.00	
71	6700.00	0.00	107.43	6688.14	-109.62	349.16	-2084.14	365.96	0.00	0.00	0.00	
72	6800.00	0.00	107.43	6788.14	-109.62	349.16	-2184.14	365.96	0.00	0.00	0.00	
73	6894.86	0.00	107.43	6883.00	-109.62	349.16	-2279.00	365.96	0.00	0.00	0.00	

Closure is 365.9605 feet on an Azimuth of 107.4294