

C195

YATES PETROLEUM CORPORATION

Patriot AIZ #6-H

Eddy County, New Mexico

Proposed vs. Actual Wellpath

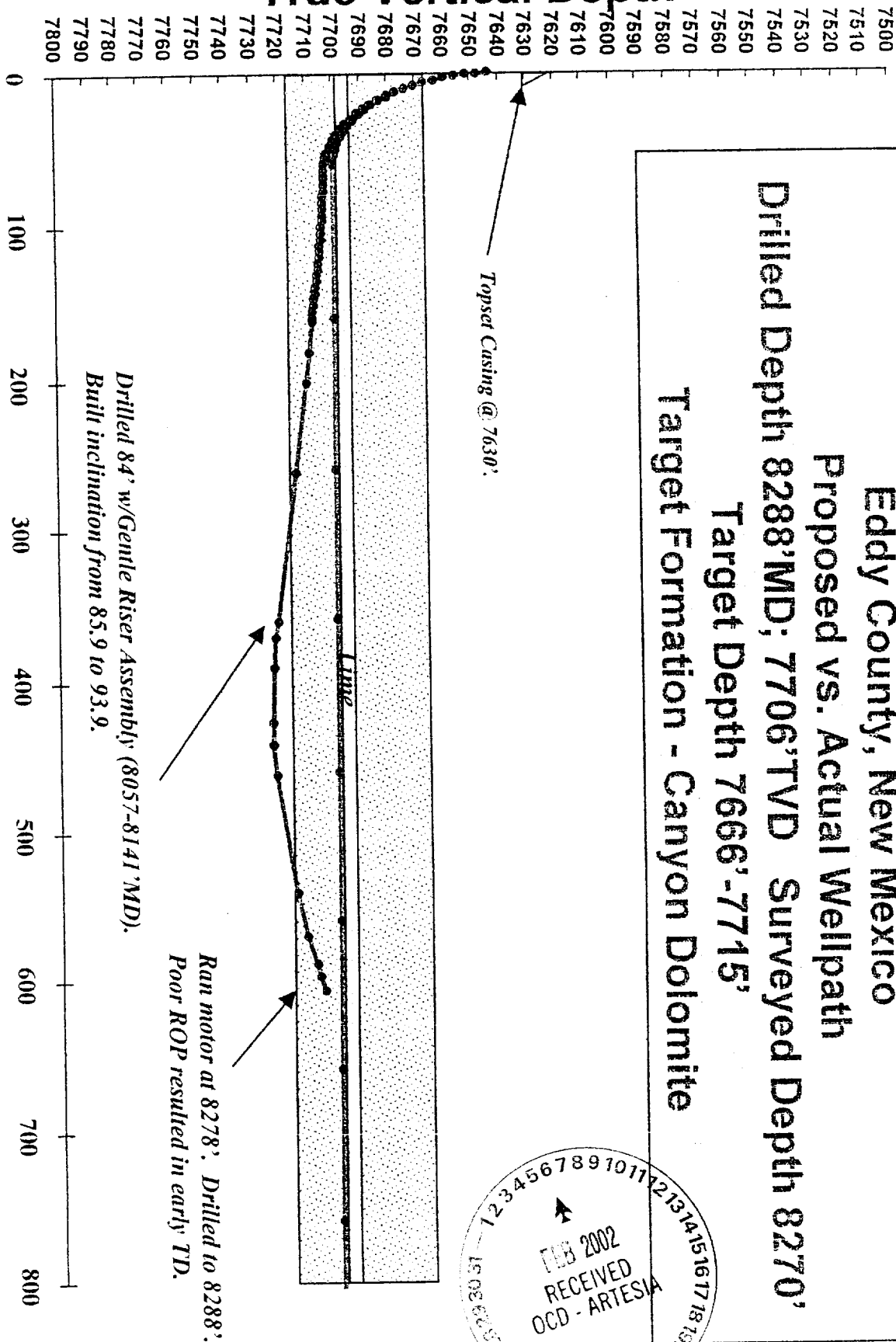
Drilled Depth 8288' MD; 7706' TVD Surveyed Depth 8270'

Target Depth 7666'-7715'

Target Formation - Canyon Dolomite



True Vertical Depth

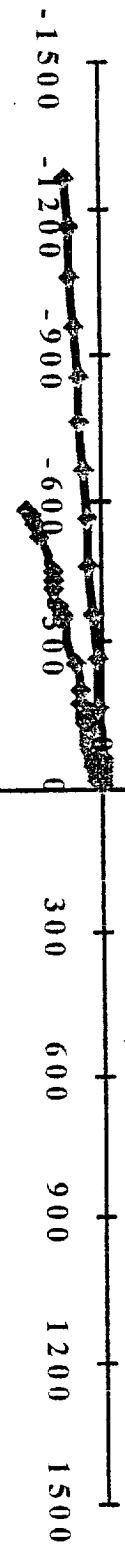


Total Departure

North, ft.

YATES PETROLEUM CORPORATION
Patriot AIZ #6-H
Eddy County, New Mexico
Projected vs. Actual Wellpath
Target Azimuth - 266 Degrees

West, ft.



East, ft.

South, ft.

YATES PETROLEUM CORPORATION

PATRIOT A17 #A-H, Eddy County, New Mexico

ACTUAL SURVEYS - from KOP

M. Depth = 7640 N/S Coord. = 0
 TVD = 7640 E/W Coord. = 0
 Inclination = 0
 Azimuth = 256

Station	Measured Depth	Inclination Deg	Azimuth Deg	TVD Ft	N/S Ft	E/W Ft	Departure Ft	Dog Leg Deg/ft	ROC FT
1	7644	5.7	203.1	7644.00	-0.23	-0.32	0.40		
2	7648	8.4	213.6	7647.96	-0.66	-0.56	0.87	0.75	76.88
3	7652	11.7	220.4	7651.90	-1.22	-0.98	1.56	0.88	65.46
4	7656	15.3	225.8	7655.79	-1.90	-1.62	2.50	0.95	60.14
5	7660	18.1	227.8	7659.62	-2.69	-2.45	3.64	0.71	80.19
6	7664	21	232.2	7663.39	-3.55	-3.48	4.97	0.81	70.51
7	7668	25.1	233.3	7667.07	-4.50	-4.73	6.52	1.03	55.59
8	7672	28.9	234.05	7670.64	-5.57	-6.19	8.33	0.95	60.07
9	7676	32.8	234.8	7674.07	-6.77	-7.86	10.37	0.98	58.48
10	7680	36.5	236.2	7677.36	-8.05	-9.73	12.63	0.95	60.56
11	7684	40.3	238.5	7680.50	-9.40	-11.82	15.10	1.01	56.46
12	7688	43.1	241.2	7683.48	-10.73	-14.12	17.74	0.83	68.91
13	7692	46.6	241.5	7686.32	-12.08	-16.60	20.53	0.88	65.36
14	7696	52	246.4	7688.93	-13.42	-19.32	23.52	1.64	34.98
15	7700	55.5	244.9	7691.29	-14.75	-22.26	26.70	0.93	61.89
16	7704	58.7	245.3	7693.47	-16.16	-25.31	30.03	0.80	71.23
17	7708	61.3	245.5	7695.47	-17.60	-28.46	33.46	0.65	87.95
18	7712	64.4	248.2	7697.29	-19.00	-31.73	36.99	0.98	58.44
19	7716	68.2	248.8	7698.90	-20.34	-35.14	40.60	0.96	59.69
20	7720	70.9	250.4	7700.30	-21.65	-38.65	44.30	0.77	74.21
21	7724	75	249.7	7701.47	-22.96	-42.25	48.08	1.04	55.17
22	7728	78.9	251.7	7702.37	-24.24	-45.92	51.93	1.09	52.57
23	7732	82.3	253.5	7703.03	-25.42	-49.69	55.82	0.96	59.75
24	7736	85.5	255.3	7703.45	-26.49	-53.52	59.72	0.92	62.51
25	7740	88.6	257.7	7703.66	-27.43	-57.40	63.62	0.98	58.49
26	7744	90.4	258.9	7703.69	-28.24	-61.32	67.51	0.54	105.94
27	7746	89.3	259.6	7703.70	-28.61	-63.29	69.45	0.65	87.89
28	7750	89.1	259	7703.75	-29.35	-67.22	73.35	0.16	362.40
29	7754	89	258.3	7703.82	-30.14	-71.14	77.26	0.18	324.16
30	7758	88.7	257.1	7703.90	-30.99	-75.04	81.19	0.31	185.32
31	7762	88.4	258.2	7704.00	-31.85	-78.95	85.13	0.28	201.07
32	7766	88	258.9	7704.13	-32.64	-82.87	89.07	0.20	284.37
33	7770	87.8	257.9	7704.27	-33.44	-86.79	93.01	0.25	224.88
34	7774	87.8	258	7704.43	-34.28	-90.69	96.96	0.02	2293.52
35	7778	87.5	258.1	7704.59	-35.11	-94.60	100.91	0.08	724.80
36	7782	87.5	258	7704.77	-35.93	-98.51	104.86	0.02	2294.01
37	7786	87.4	258.2	7704.94	-36.76	-102.42	108.82	0.06	1025.75
38	7790	87.2	259.1	7705.13	-37.54	-106.34	112.77	0.23	248.85
39	7794	87	259.3	7705.33	-38.29	-110.27	116.73	0.07	810.80
40	7798	86.7	259.2	7705.55	-39.04	-114.19	120.68	0.08	724.85
41	7802	86.4	259.5	7705.80	-39.78	-118.11	124.63	0.11	540.68
42	7806	85.9	259.8	7706.06	-40.49	-122.04	128.58	0.15	393.28
43	7810	85.8	258.7	7706.35	-41.24	-125.96	132.54	0.28	208.03
44	7814	85.6	260.4	7706.65	-41.96	-129.88	136.49	0.43	134.25
45	7818	85.6	260.3	7706.96	-42.63	-133.81	140.44	0.02	2298.60
46	7822	85.7	260.2	7707.26	-43.31	-137.74	144.39	0.04	1622.90
47	7826	86.1	260.1	7707.55	-43.99	-141.67	148.35	0.10	555.93
48	7830	86.3	257.2	7707.81	-44.77	-145.59	152.32	0.73	79.01
49	7834	86.6	256.8	7708.06	-45.67	-149.48	156.30	0.12	458.93
50	7838	87	256.1	7708.29	-46.61	-153.36	160.29	0.20	284.60
51	7840	87.1	254.8	7708.39	-47.11	-155.29	162.28	0.65	88.00
52	7860	87.5	254.4	7709.33	-52.41	-174.55	182.25	0.03	2026.83
53	7880	86.4	255.6	7710.40	-57.58	-193.85	202.22	0.08	704.48
54	7940	86	254.8	7714.37	-72.88	-251.73	262.06	0.01	3850.29
55	8040	85.9	254.7	7721.44	-99.12	-347.96	361.81	0.00	40564.77
56	8050	85.9	254.8	7722.15	-101.74	-357.59	371.78	0.01	5744.27
57	8070	87.9	254.9	7723.23	-106.96	-376.86	391.75	0.10	572.24
58	8106	90.3	255	7723.80	-116.31	-411.62	427.74	0.07	858.69
59	8121	91.9	262.1	7723.51	-119.29	-426.32	442.70	0.49	118.11
60	8141	93.9	257.1	7722.50	-122.89	-445.97	462.59	0.27	213.04
61	8220	96	245.6	7715.68	-148.06	-520.54	541.19	0.15	388.62
62	8250	98	240.6	7712.03	-161.53	-547.10	570.44	0.18	321.26
63	8270	99.7	239.7	7708.95	-171.37	-564.24	589.69	0.10	597.29
64	8278	100.1	240.1	7707.57	-175.32	-571.05	597.36	0.07	216.34
65	8288	98	241	7706.00	-180.18	-579.65	607.01	0.23	251.26
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RED NUMBERS ARE PROJECTIONS

YATES PETROLEUM CORPORATION

PATRIOT AIZ #6-H, Eddy County, New Mexico

ACTUAL SURVEYS - from KOP

Kickoff Point	=	7640	N/S Coord.	=	0
M. Depth	=	7640	E/W Coord.	=	0
TVD	=	0			
Inclination	=	265			
Azimuth	=				

Station	Measured Depth	Inclination Deg	Azimuth Deg	TVD Ft	N/S Ft	E/W Ft	Departure Ft	Dog Leg Deg/ft	ROC FT
1	7644	5.7	203.1	7644.00	-0.23	-0.32	0.40		
2	7648	8.4	213.6	7647.96	-0.66	-0.56	0.87	0.75	76.88
3	7652	11.7	220.4	7651.90	-1.22	-0.98	1.56	0.88	65.46
4	7656	15.3	225.8	7655.79	-1.90	-1.62	2.50	0.95	60.14
5	7660	18.1	227.8	7659.62	-2.69	-2.45	3.64	0.71	80.19
6	7664	21	232.2	7663.39	-3.55	-3.48	4.97	0.81	70.51
7	7668	25.1	233.3	7667.07	-4.50	-4.73	6.52	1.03	55.59
8	7672	28.9	234.05	7670.64	-5.57	-6.19	8.33	0.95	60.07
9	7676	32.8	234.8	7674.07	-6.77	-7.86	10.37	0.98	58.48
10	7680	36.5	236.2	7677.36	-8.05	-9.73	12.63	0.95	60.56
11	7684	40.3	238.5	7680.50	-9.40	-11.82	15.10	1.01	56.46
12	7688	43.1	241.2	7683.48	-10.73	-14.12	17.74	0.83	68.91
13	7692	46.6	241.5	7686.32	-12.08	-16.60	20.53	0.88	65.36
14	7696	52	246.4	7688.93	-13.42	-19.32	23.52	1.64	34.98
15	7700	55.5	244.9	7691.29	-14.75	-22.26	26.70	0.93	61.89
16	7704	58.7	245.3	7693.47	-16.16	-25.31	30.03	0.80	71.23
17	7708	61.3	245.5	7695.47	-17.60	-28.46	33.46	0.65	87.95
18	7712	64.4	248.2	7697.29	-19.00	-31.73	36.99	0.98	58.44
19	7716	68.2	248.8	7698.90	-20.34	-35.14	40.60	0.96	59.69
20	7720	70.9	250.4	7700.30	-21.65	-38.65	44.30	0.77	74.21
21	7724	75	249.7	7701.47	-22.96	-42.25	48.05	1.04	55.17
22	7728	78.9	251.7	7702.37	-24.24	-45.92	51.93	1.09	52.57
23	7732	82.3	253.5	7703.03	-25.42	-49.69	55.82	0.96	59.75
24	7736	85.5	255.3	7703.45	-26.49	-53.52	59.72	0.92	62.51
25	7740	88.6	257.7	7703.66	-27.43	-57.40	63.62	0.98	58.49
26	7744	90.4	258.9	7703.69	-28.24	-61.32	67.51	0.54	105.94
27	7746	89.3	259.6	7703.70	-28.61	-63.29	69.45	0.65	87.89
28	7750	89.1	259	7703.75	-29.35	-67.22	73.35	0.16	362.40
29	7754	89	258.3	7703.82	-30.14	-71.14	77.26	0.16	324.16
30	7758	88.7	257.1	7703.90	-30.99	-75.04	81.19	0.31	185.32
31	7762	88.4	258.2	7704.00	-31.85	-78.95	85.13	0.28	201.07
32	7766	88	258.9	7704.13	-32.64	-82.87	89.07	0.20	284.37
33	7770	87.8	257.9	7704.27	-33.44	-86.79	93.01	0.25	224.88
34	7774	87.8	258	7704.43	-34.28	-90.69	96.96	0.02	2293.52
35	7778	87.5	258.1	7704.59	-35.11	-94.60	100.91	0.08	724.80
36	7782	87.5	258	7704.77	-35.93	-98.51	104.86	0.02	2294.01
37	7786	87.4	258.2	7704.94	-36.76	-102.42	108.82	0.06	1025.75
38	7790	87.2	259.1	7705.13	-37.54	-106.34	112.77	0.23	248.85
39	7794	87	259.3	7705.33	-38.29	-110.27	116.73	0.07	810.80
40	7798	86.7	259.2	7705.55	-39.04	-114.19	120.68	0.08	724.85
41	7802	86.4	259.5	7705.80	-39.78	-118.11	124.63	0.11	540.68
42	7806	85.9	259.8	7706.06	-40.49	-122.04	128.58	0.15	393.28
43	7810	85.8	258.7	7706.35	-41.24	-125.96	132.54	0.28	208.03
44	7814	85.6	260.4	7706.65	-41.96	-129.88	136.49	0.43	134.26
45	7818	85.6	260.3	7706.96	-42.63	-133.81	140.44	0.02	2298.60
46	7822	85.7	260.2	7707.26	-43.31	-137.74	144.39	0.04	1622.90
47	7826	86.1	260.1	7707.55	-43.99	-141.67	148.35	0.10	555.93
48	7830	86.3	257.2	7707.81	-44.77	-145.59	152.32	0.73	79.01
49	7834	86.6	256.8	7708.06	-45.67	-149.48	156.30	0.12	458.93
50	7838	87	256.1	7708.29	-46.61	-153.36	160.29	0.20	284.60
51	7840	87.1	254.8	7708.39	-47.11	-155.29	162.28	0.65	88.00
52	7860	87.5	254.4	7709.33	-52.41	-174.55	182.25	0.03	2026.83
53	7880	86.4	255.6	7710.40	-57.58	-193.85	202.22	0.08	704.48
54	7940	86	254.8	7714.37	-72.88	-251.73	262.06	0.01	3850.29
55	8040	85.9	254.7	7721.44	-99.12	-347.96	361.81	0.00	40564.77
56	8050	85.9	254.8	7722.15	-101.74	-357.59	371.78	0.01	5744.27
57	8070	87.9	254.9	7723.23	-106.96	-376.86	391.75	0.10	572.24
58	8106	90.3	255	7723.80	-116.31	-411.62	427.74	0.07	858.69
59	8121	91.9	262.1	7723.51	-119.29	-426.32	442.70	0.49	118.11
60	8141	93.9	257.1	7722.50	-122.89	-445.97	462.59	0.27	213.04
61	8220	96	245.6	7715.68	-148.06	-520.54	541.19	0.15	388.62
62	8250	98	240.6	7712.03	-161.53	-547.10	570.44	0.18	321.26
63	8270	99.7	239.7	7708.95	-171.37	-564.24	589.69	0.10	597.29
64	8278	109.1	240.1	7707.57	-172.32	-571.65	597.26	0.07	310.34
65	8298	98	241	7706.00	-192.16	-579.65	607.01	0.23	261.26
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RED NUMBERS ARE PROJECTIONS