

Scientific Drilling International
Minimum Radius of Curvature - version 2.8©

MAY 10 2004

OIL CONSERVATION
DIVISION

Company: El Paso Production

Well: VPRD - 149

Location: Section 23 - 31N - 17E

RIG: Excell Rig 14

Correction: 9.71° True North

Drillers: Gurley / Carr

Depth Units: Feet

Section Azm: 306.25

Field: Castle Rock

RKB: 14

OIL CONSERVATION
DIVISION

Station	Depth	Inc.	Azm.	T.V.D.	+N-S	+E-W	V. Sect.	DLS	Cls D	Cls A	Build	Turn
WH	0.0	0.00	306.25	0.00	0.00	0.00	0.00	*****	0.00		*****	*****
1	427.0	0.90	31.30	426.98	2.87	1.74	0.00	0.21	3.35	31.30	0.21	19.92
2	577.0	0.60	36.70	576.97	4.50	2.82	0.38	0.21	5.31	32.10	-0.20	3.60
3	737.0	0.80	27.80	736.96	6.16	3.85	0.54	0.14	7.26	31.97	0.13	-5.56
4	797.0	0.80	0.70	796.95	6.95	4.05	0.85	0.62	8.04	30.20	0.00	-45.17
5	827.0	0.80	355.20	826.95	7.37	4.03	1.11	0.26	8.40	28.68	0.00	-18.33
6	857.0	2.80	322.30	856.93	8.16	3.57	1.95	7.24	8.90	23.61	6.67	-109.67
7	887.0	6.70	321.40	886.82	10.11	2.02	4.34	13.00	10.31	11.33	13.00	-3.00
8	918.0	11.10	322.20	917.44	13.88	-0.93	8.96	14.20	13.91	356.15	14.19	2.58
9	948.0	15.50	318.80	946.63	19.18	-5.35	15.65	14.89	19.91	344.42	14.67	-11.33
10	978.0	19.60	313.70	975.23	25.68	-11.63	24.56	14.58	28.19	335.63	13.67	-17.00
11	1009.0	23.70	310.80	1004.04	33.34	-20.11	35.93	13.66	38.94	328.91	13.23	-9.35
12	1039.0	27.90	308.90	1031.04	41.69	-30.14	48.96	14.27	51.45	324.14	14.00	-6.33
13	1069.0	32.30	307.20	1056.99	50.95	-41.99	63.99	14.94	66.02	320.51	14.67	-5.67
14	1099.0	36.60	305.50	1081.73	61.00	-55.66	80.96	14.69	82.58	317.62	14.33	-5.67
15	1130.0	41.30	303.90	1105.83	72.07	-71.69	100.43	15.50	101.66	315.15	15.16	-5.16
16	1160.0	45.60	302.90	1127.60	83.42	-88.91	121.03	14.52	121.92	313.18	14.33	-3.33
17	1191.0	50.30	303.60	1148.36	96.04	-108.15	144.01	15.25	144.64	311.61	15.16	2.26
18	1223.0	54.10	303.80	1167.97	110.07	-129.18	169.27	11.89	169.72	310.43	11.88	0.62
19	1254.0	57.30	303.80	1185.44	124.32	-150.46	194.85	10.32	195.18	309.56	10.32	0.00
20	1285.0	61.10	304.70	1201.31	139.30	-172.47	221.46	12.51	221.70	308.93	12.26	2.90
21	1316.0	64.30	304.40	1215.52	154.92	-195.15	248.99	10.36	249.17	308.44	10.32	-0.97
22	1347.0	68.40	304.00	1227.96	170.88	-218.63	277.36	13.28	277.49	308.01	13.23	-1.29
23	1379.0	72.00	303.30	1238.79	187.56	-243.69	307.43	11.44	307.51	307.58	11.25	-2.19
24	1411.0	75.60	303.00	1247.72	204.36	-269.42	338.11	11.29	338.16	307.18	11.25	-0.94
25	1442.0	79.30	303.20	1254.46	220.88	-294.76	368.32	11.95	368.34	306.85	11.94	0.65
26	1473.0	83.70	303.80	1259.04	237.80	-320.32	398.94	14.32	398.94	306.59	14.19	1.94
27	1506.0	86.70	304.30	1261.80	256.21	-347.57	431.79	9.22	431.79	306.40	9.09	1.52
28	1536.0	86.40	303.80	1263.60	272.98	-372.38	461.72	1.94	461.72	306.24	-1.00	-1.67
29	1569.0	85.80	303.80	1265.85	291.29	-399.74	494.61	1.82	494.61	306.08	-1.82	0.00
30	1601.0	85.50	303.60	1268.27	309.00	-426.28	526.48	1.13	526.49	305.94	-0.94	-0.62
31	1684.0	92.20	301.50	1269.94	353.61	-496.19	609.24	8.46	609.30	305.48	8.07	-2.53
32	1716.0	92.00	301.30	1268.77	370.28	-523.48	641.11	0.88	641.20	305.27	-0.63	-0.62
33	1747.0	91.90	301.20	1267.71	386.35	-549.97	671.97	0.46	672.11	305.09	-0.32	-0.32
34	1779.0	91.60	301.40	1266.73	402.97	-577.30	703.84	1.13	704.03	304.92	-0.94	0.62
35	1811.0	91.40	301.10	1265.90	419.56	-604.65	735.70	1.13	735.95	304.76	-0.62	-0.94
36	1843.0	91.50	301.40	1265.09	436.16	-632.00	767.57	0.99	767.89	304.61	0.31	0.94
37	1875.0	92.00	300.80	1264.11	452.68	-659.38	799.43	2.44	799.81	304.47	1.56	-1.87
38	1907.0	91.60	301.60	1263.10	469.25	-686.74	831.29	2.79	831.75	304.34	-1.25	2.50
39	1938.0	89.70	302.90	1262.75	485.79	-712.95	862.21	7.43	862.72	304.27	-6.13	4.19
40	1970.0	89.60	303.10	1262.95	503.21	-739.79	894.16	0.70	894.72	304.22	-0.31	0.63
41	2002.0	90.80	303.40	1262.84	520.76	-766.55	926.11	3.87	926.71	304.19	3.75	0.94
42	2033.0	92.20	302.50	1262.03	537.61	-792.56	957.05	5.37	957.69	304.15	4.52	-2.90
43	2065.0	92.20	302.90	1260.80	554.89	-819.46	988.96	1.25	989.66	304.10	0.00	1.25
44	2097.0	92.00	304.10	1259.62	572.54	-846.13	1020.90	3.80	1021.63	304.08	-0.63	3.75
45	2129.0	91.20	305.70	1258.73	590.84	-872.36	1052.88	5.59	1053.62	304.11	-2.50	5.00
46	2161.0	91.50	305.80	1257.98	609.53	-898.33	1084.87	0.99	1085.60	304.16	0.94	0.31
47	2193.0	91.30	307.00	1257.19	628.51	-924.08	1116.86	3.80	1117.56	304.22	-0.63	3.75
48	2224.0	90.70	308.30	1256.65	647.45	-948.62	1147.85	4.62	1148.50	304.31	-1.94	4.19
49	2256.0	91.00	308.70	1256.18	667.36	-973.66	1179.82	1.56	1180.42	304.43	0.94	1.25
50	2288.0	92.10	308.20	1255.31	687.25	-998.71	1211.78	3.78	1212.33	304.53	3.44	-1.56
51	2320.0	92.80	308.40	1253.95	707.07	-1023.80	1243.73	2.27	1244.23	304.63	2.19	0.62
52	2350.0	91.70	308.40	1252.77	725.69	-1047.29	1273.69	3.67	1274.14	304.72	-3.67	0.00
53	2381.0	89.60	308.70	1252.42	745.01	-1071.53	1304.66	6.84	1305.07	304.81	-6.77	0.97
54	2412.0	88.80	308.70	1252.85	764.39	-1095.72	1335.63	2.58	1336.00	304.90	-2.58	0.00
55	2443.0	89.10	308.60	1253.42	783.74	-1119.93	1366.59	1.02	1366.93	304.99	0.97	-0.32

Company: El Paso Production					Drillers: Gurley / Carr							
Well: VPRD - 149					Depth Units: Feet							
Location: Section 23 - 31N - 17E					Section Azm: 306.25							
RIG: Excell Rig 14					Field: Castle Rock							
Correction: 9.71° True North					RKB: 14							
Station	Depth	Inc.	Azm.	T.V.D.	+N/-S	+E/-W	V. Sect.	DLS	Cls D	Cls A	Build	Turn
56	2474.0	88.60	309.20	1254.04	803.21	-1144.05	1397.56	2.52	1397.85	305.07	-1.61	1.94
57	2505.0	87.20	309.90	1255.18	822.93	-1167.93	1428.48	5.05	1428.74	305.17	-4.52	2.26
58	2536.0	88.60	310.10	1256.31	842.85	-1191.66	1459.39	4.56	1459.61	305.27	4.52	0.65
59	2567.0	92.00	309.00	1256.15	862.58	-1215.56	1490.34	11.53	1490.52	305.36	10.97	-3.55
60	2598.0	92.10	309.80	1255.04	882.25	-1239.50	1521.27	2.60	1521.42	305.44	0.32	2.58
61	2629.0	91.70	310.00	1254.01	902.12	-1263.27	1552.19	1.44	1552.31	305.53	-1.29	0.65
62	2660.0	91.20	309.50	1253.23	921.94	-1287.10	1583.12	2.28	1583.22	305.61	-1.61	-1.61
63	2691.0	91.90	309.70	1252.39	941.69	-1310.98	1614.06	2.35	1614.14	305.69	2.26	0.65
64	2721.0	92.60	309.20	1251.21	960.74	-1334.12	1643.99	2.87	1644.05	305.76	2.33	-1.67
65	2752.0	92.50	307.80	1249.83	980.01	-1358.36	1674.93	4.52	1674.98	305.81	-0.32	-4.52
66	2783.0	92.50	307.50	1248.48	998.93	-1382.88	1705.89	0.97	1705.94	305.84	0.00	-0.97
67	2814.0	92.20	307.20	1247.21	1017.72	-1407.50	1736.86	1.37	1736.90	305.87	-0.97	-0.97
68	2845.0	91.10	306.50	1246.32	1036.31	-1432.30	1767.85	4.21	1767.88	305.89	-3.55	-2.26
69	2876.0	89.00	308.20	1246.29	1055.11	-1456.94	1798.84	8.72	1798.87	305.91	-6.77	5.48
70	2906.0	89.80	308.40	1246.60	1073.70	-1480.48	1828.82	2.75	1828.84	305.95	2.67	0.67
71	2937.0	90.90	308.00	1246.41	1092.87	-1504.84	1859.80	3.78	1859.82	305.99	3.55	-1.29
72	2968.0	92.10	307.10	1245.60	1111.76	-1529.41	1890.78	4.84	1890.79	306.01	3.87	-2.90
73	2999.0	90.60	307.70	1244.87	1130.58	-1554.03	1921.76	5.21	1921.78	306.04	-4.84	1.94
74	3031.0	89.00	308.40	1244.98	1150.30	-1579.23	1953.75	5.46	1953.76	306.07	-5.00	2.19
75	3062.0	88.40	308.60	1245.69	1169.60	-1603.48	1984.71	2.04	1984.72	306.11	-1.94	0.65
76	3094.0	89.30	308.20	1246.33	1189.47	-1628.55	2016.68	3.08	2016.69	306.14	2.81	-1.25
77	3126.0	91.00	307.80	1246.25	1209.17	-1653.77	2048.67	5.46	2048.67	306.17	5.31	-1.25
78	3158.0	91.00	307.60	1245.69	1228.74	-1679.08	2080.65	0.62	2080.65	306.20	0.00	-0.62
79	3190.0	91.30	307.30	1245.04	1248.19	-1704.48	2112.64	1.33	2112.64	306.22	0.94	-0.94
TD	3225.0	92.00	307.30	1244.04	1269.39	-1732.31	2147.62	2.00	2147.62	306.23	2.00	0.00

Roy, 5/7/04
This is the deviation
Report for VPRD-149.
Shirley Mitchell