

Scientific Drilling International

Survey Report

Company: BP/ARCO
Field: Brushy Draw
Site: Eddy County, NM
Well: West Brushy Draw 4 Fed #3
Wellpath: VH - Job #32K0302082

Date: 4/3/2002 **Time:** 09:31:14 **Page:** 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Well (0.0E,0.0N,322.2Azi)
Survey Calculation Method: Minimum Curvature

Survey: 3/8/02
 KSRG 0'-875'

Start Date: 4/3/2002

Company: Scientific Drilling Internatio
Tool: Keeper

Engineer: Angel Guebara

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.00
100.0	0.54	127.50	100.0	-0.3	-0.3	0.4	0.5	127.50	0.54
125.0	0.39	96.50	125.0	-0.4	-0.4	0.6	0.7	123.71	1.15
150.0	0.41	58.45	150.0	-0.3	-0.3	0.7	0.8	114.92	1.05
175.0	0.29	117.71	175.0	-0.3	-0.3	0.8	0.9	110.37	1.45
200.0	0.08	316.77	200.0	-0.3	-0.3	0.9	0.9	110.39	1.47
225.0	0.41	336.17	225.0	-0.2	-0.2	0.8	0.9	105.67	1.34
250.0	0.96	318.11	250.0	0.0	0.0	0.7	0.7	89.84	2.34
275.0	1.16	317.15	275.0	0.3	0.3	0.4	0.5	45.79	0.80
300.0	1.30	316.73	300.0	0.7	0.7	0.0	0.7	358.94	0.56
325.0	1.32	320.41	325.0	1.2	1.2	-0.4	1.2	341.41	0.35
350.0	1.72	329.42	350.0	1.7	1.7	-0.8	1.9	335.86	1.86
375.0	2.16	331.49	375.0	2.4	2.4	-1.2	2.7	334.21	1.78
400.0	2.68	334.32	399.9	3.4	3.4	-1.7	3.8	333.89	2.13
425.0	2.79	335.71	424.9	4.5	4.5	-2.2	5.0	334.16	0.51
450.0	3.01	336.57	449.9	5.6	5.6	-2.7	6.2	334.57	0.90
475.0	3.15	338.65	474.8	6.9	6.9	-3.2	7.6	335.11	0.72
500.0	3.41	335.64	499.8	8.2	8.2	-3.7	9.0	335.43	1.25
525.0	3.39	333.12	524.8	9.5	9.5	-4.4	10.5	335.28	0.60
550.0	3.35	327.33	549.7	10.8	10.8	-5.1	11.9	334.66	1.37
575.0	3.36	323.96	574.7	12.0	12.0	-5.9	13.4	333.68	0.79
600.0	3.42	319.70	599.6	13.2	13.2	-6.9	14.8	332.51	1.04
625.0	3.62	319.79	624.6	14.3	14.3	-7.8	16.3	331.32	0.80
650.0	3.95	317.13	649.5	15.6	15.6	-8.9	18.0	330.14	1.49
675.0	4.01	318.19	674.5	16.9	16.9	-10.1	19.6	329.05	0.38
700.0	4.12	315.48	699.4	18.1	18.1	-11.3	21.4	328.04	0.89
725.0	4.47	314.52	724.3	19.5	19.5	-12.6	23.2	327.00	1.43
750.0	4.98	315.66	749.2	20.9	20.9	-14.1	25.2	326.03	2.07
775.0	5.33	314.49	774.1	22.5	22.5	-15.7	27.4	325.14	1.46
800.0	5.51	314.31	799.0	24.2	24.2	-17.4	29.8	324.29	0.72
825.0	5.05	312.97	823.9	25.8	25.8	-19.0	32.0	323.53	1.90
850.0	5.22	312.22	848.8	27.3	27.3	-20.7	34.2	322.82	0.73
875.0	5.37	313.40	873.7	28.8	28.8	-22.4	36.5	322.19	0.74