

30-045-32410



Job Number: 04200 State/Country: New Mexico / USA
 Company: Devon Energy Production Co. Declination: 10.88
 Lease/Well: NEBU #491A Grid:
 Location: San Juan County, Sec.26-31N-7W File name: C:\CUST04\SURVEYS\DEVON\04200.SVY
 Rig Name: D&J #1 Date/Time: 03-Sep-04 / 09:37
 RKB: Curve Name: As Drilled
 G.L. or M.S.L.: 6338'

SRR 410/5 1085 / E Sec 26, T31N, R7W
 BNL 1404/5 707 / W Sec 25, T31N, R7W

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 74.65
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
299.00	.50	325.80	299.00	-.42	1.08	-.73	1.30	325.80	.17
391.00	2.30	63.00	390.97	1.26	2.25	.69	2.35	16.96	2.62
482.00	6.80	74.30	481.66	8.44	4.54	7.50	8.77	58.84	5.02
573.00	11.40	74.40	571.49	22.82	8.42	21.36	22.96	68.49	5.05
664.00	15.90	75.00	659.90	44.29	14.06	42.07	44.36	71.52	4.95
757.00	20.80	75.10	748.14	73.56	21.61	70.35	73.60	72.92	5.27
848.00	25.60	72.10	831.76	109.38	31.81	104.70	109.42	73.10	5.43
940.00	30.10	72.10	913.09	152.31	45.02	145.58	152.39	72.82	4.89
1033.00	34.10	72.80	991.85	201.68	59.90	192.70	201.79	72.73	4.32
1123.00	38.60	73.80	1064.32	255.00	75.20	243.78	255.12	72.86	5.04
1214.00	43.10	73.80	1133.14	314.50	91.81	300.93	314.62	73.03	4.95
1306.00	47.30	75.10	1197.95	379.76	109.28	363.81	379.87	73.28	4.67
1402.00	48.20	73.70	1262.50	450.81	128.39	432.25	450.91	73.46	1.43
1497.00	48.90	73.80	1325.39	522.01	148.32	500.61	522.12	73.50	.74
1593.00	48.90	74.20	1388.50	594.35	168.26	570.15	594.46	73.56	.31
1689.00	50.20	75.70	1450.78	667.39	187.21	640.69	667.48	73.71	1.80
1784.00	48.80	76.00	1512.48	739.62	204.88	710.74	739.68	73.92	1.49
1880.00	48.40	74.90	1575.96	811.62	222.96	780.44	811.66	74.06	.96
1975.00	48.20	76.10	1639.16	882.54	240.72	849.10	882.57	74.17	.97
2071.00	48.10	75.00	1703.21	954.04	258.57	918.35	954.06	74.28	.86
2166.00	49.20	73.50	1765.97	1025.34	277.93	986.98	1025.37	74.27	1.66
2262.00	49.00	75.60	1828.83	1097.90	297.26	1056.91	1097.92	74.29	1.67
2356.00	48.80	75.20	1890.63	1168.73	315.12	1125.46	1168.74	74.36	.38
2451.00	48.70	74.10	1953.27	1240.15	334.02	1194.34	1240.16	74.38	.88
2546.00	48.80	75.90	2015.91	1311.57	352.51	1263.32	1311.58	74.41	1.43

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2643.00	50.00	75.10	2079.03	1385.21	370.95	1334.62	1385.21	74.47	1.39
2738.00	48.20	75.50	2141.23	1457.01	389.17	1404.07	1457.01	74.51	1.92
2833.00	43.50	77.00	2207.38	1525.12	405.40	1470.25	1525.12	74.58	5.08
2931.00	39.50	75.40	2280.77	1590.02	420.86	1533.31	1590.02	74.65	4.22
3023.00	35.50	73.60	2353.74	1646.01	435.78	1587.27	1646.01	74.65	4.51
3119.00	31.50	72.80	2433.78	1698.96	451.07	1637.99	1698.96	74.60	4.19
3214.00	26.70	72.40	2516.77	1745.12	464.87	1682.07	1745.12	74.55	5.06
3310.00	22.10	75.00	2604.17	1784.75	476.07	1720.09	1784.76	74.53	4.92
3406.00	17.20	76.80	2694.55	1817.02	483.99	1751.37	1817.02	74.55	5.14
3502.00	11.20	76.80	2787.58	1840.54	489.37	1774.29	1840.54	74.58	6.25
3597.00	5.40	73.30	2881.54	1854.24	492.76	1787.56	1854.24	74.59	6.13
3629.00	3.70	73.10	2913.44	1856.78	493.50	1789.99	1856.78	74.59	5.31
Projection to Bit @ 3672'									
3672.00	1.42	73.10	2956.40	1858.70	494.05	1791.83	1858.70	74.59	5.30

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