



Job Number: 04225

Company: Devon Energy Production Co.

Lease/Well: NEBU #468A

Location: Rio Arriba County, Sec 2-30N-7W

Rig Name: D&J #2

RKB:

G.L. or M.S.L.: 6501'

State/Country: New Mexico / USA

Declination:

Grid:

File name: C:\CUST04\SURVEYS\DEVON\04225.SVY

Date/Time: 23-Nov-04 / 14:43

Curve Name: As Drilled

30-039-27751

WINSERVE SURVEY CALCULATIONS

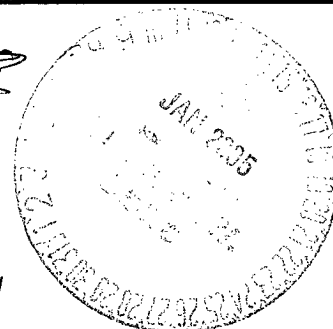
Minimum Curvature Method

Vertical Section Plane 346.85

Vertical Section Referenced to Wellhead

Rectangular Coordinates Referenced to Wellhead

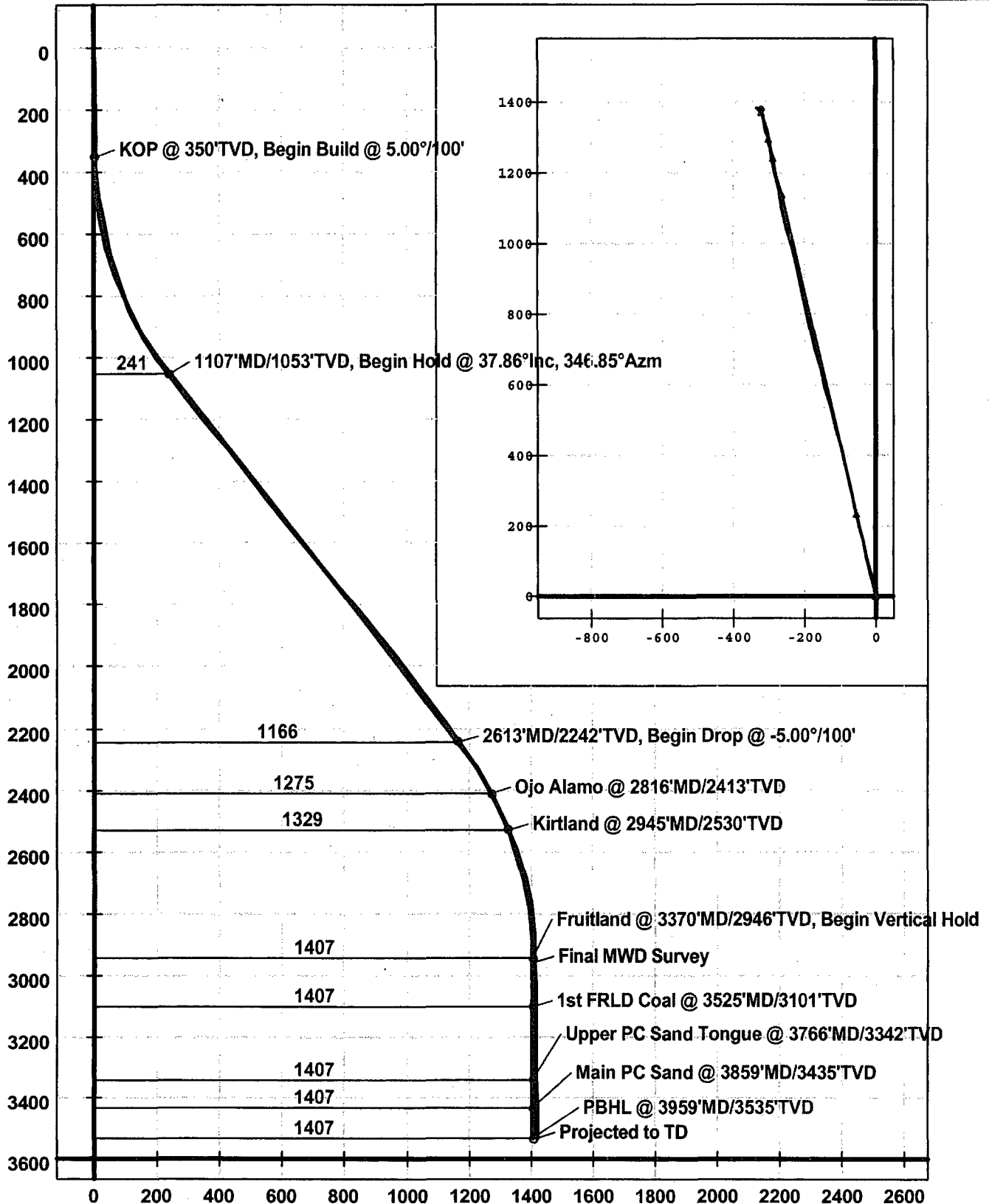
Surface 570/N 48d/E Sec 2, T30N, R7W
BHL 810/S 813/E Sec 35, T31N, R7W



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
306.00	.90	356.40	305.99	2.37	2.40	-.15	2.40	356.40	.29
392.00	3.90	348.30	391.90	5.96	5.94	-.79	5.99	352.45	3.50
484.00	7.90	349.90	483.40	15.41	15.23	-2.53	15.44	350.57	4.35
577.00	11.30	348.90	575.08	30.90	30.47	-5.41	30.94	349.94	3.66
672.00	14.50	347.90	667.67	52.10	51.23	-9.69	52.14	349.29	3.38
765.00	18.20	345.70	756.90	78.27	76.70	-15.72	78.30	348.42	4.03
860.00	23.20	345.90	845.73	111.83	109.25	-23.95	111.84	347.63	5.26
956.00	29.50	345.70	931.72	154.41	150.53	-34.41	154.41	347.13	6.56
1043.00	35.00	347.20	1005.27	200.81	195.65	-45.23	200.81	346.98	6.39
1136.00	38.20	347.00	1079.92	256.26	249.70	-57.61	256.26	347.01	3.44
1230.00	38.10	346.30	1153.84	314.32	306.19	-71.02	314.32	346.94	.47
1323.00	38.10	347.20	1227.03	371.70	362.05	-84.17	371.70	346.91	.60
1417.00	38.30	345.50	1300.90	429.83	418.53	-97.89	429.83	346.84	1.14
1511.00	38.00	346.30	1374.82	487.88	474.85	-112.04	487.88	346.72	.61
1605.00	38.20	345.50	1448.79	545.88	531.10	-126.17	545.88	346.64	.57
1699.00	38.50	346.00	1522.51	604.19	587.63	-140.52	604.20	346.55	.46
1792.00	38.20	344.20	1595.45	661.86	643.39	-155.36	661.88	346.42	1.24
1886.00	39.00	347.10	1668.92	720.48	700.19	-169.88	720.50	346.36	2.10
1980.00	38.80	348.10	1742.07	779.50	757.84	-182.55	779.52	346.46	.70
2073.00	39.70	347.30	1814.09	838.33	815.33	-195.09	838.34	346.54	1.11

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	
2166.00	39.90	346.20	1885.54	897.86	873.27	-208.74	897.87	346.56	.79
2261.00	38.20	347.30	1959.32	957.71	931.52	-222.46	957.72	346.57	1.93
2355.00	36.70	345.80	2033.94	1014.86	987.11	-235.74	1014.87	346.57	1.87
2448.00	36.00	346.00	2108.84	1069.97	1040.57	-249.17	1069.99	346.53	.76
2540.00	37.00	347.40	2182.80	1124.69	1093.83	-261.75	1124.71	346.54	1.41
2634.00	35.20	347.80	2258.75	1180.07	1147.91	-273.65	1180.08	346.59	1.93
2727.00	30.90	350.40	2336.69	1230.73	1197.68	-283.30	1230.73	346.69	4.87
2822.00	27.70	350.40	2419.52	1277.13	1243.52	-291.05	1277.13	346.83	3.37
2916.00	24.50	349.60	2503.92	1318.41	1284.24	-298.22	1318.41	346.93	3.42
3009.00	20.40	345.30	2589.86	1353.89	1318.90	-305.82	1353.89	346.95	4.75
3105.00	13.80	343.80	2681.57	1382.08	1346.11	-313.26	1382.08	346.90	6.89
3198.00	8.70	344.00	2772.75	1400.20	1363.54	-318.30	1400.20	346.86	5.48
3291.00	3.50	343.10	2865.19	1410.06	1373.02	-321.07	1410.06	346.84	5.59
Final MWD Survey									
3386.00	1.10	295.90	2960.12	1413.53	1376.19	-322.73	1413.53	346.80	3.02
3456.00	1.10	295.90	3030.10	1414.37	1376.78	-323.94	1414.38	346.76	.00
3550.00	1.10	295.90	3124.09	1415.51	1377.57	-325.56	1415.52	346.70	.00
3650.00	1.10	295.90	3224.07	1416.72	1378.41	-327.29	1416.73	346.64	.00
3750.00	1.10	295.90	3324.05	1417.93	1379.25	-329.02	1417.95	346.58	.00
3850.00	1.10	295.90	3424.03	1419.14	1380.08	-330.74	1419.16	346.52	.00
Projected to TD									
3960.00	1.10	295.90	3534.01	1420.47	1381.01	-332.64	1420.50	346.46	.00

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○ As Drilled △ Proposal 10-7-04