



Job Number:
 Company: Concho Resources, Inc.
 Lease/Well: Springs 2 Federal #1
 Location: Section 2, T-21-S, R-25-E
 Rig Name:
 RKB:
 G.L. or M.S.L.:

State/Country: Eddy County, New Mexico
 Declination:
 Grid:
 File name: C:\SURVEY~1\CONCHO\SPRING21.SVY
 Date/Time: 07-Apr-00 / 09:17
 Curve Name: Preliminary Plan

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 154.13
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
Kick-off Point - Build 2.0°/100'									
6675.00	.00	.00	6675.00	.00	.00	.00	.00	.00	.00
6925.00	5.00	154.13	6924.68	-9.81	4.76	10.90	10.90	154.13	2.00
7175.00	10.00	154.13	7172.47	-39.16	18.99	43.52	43.52	154.13	2.00
7425.00	15.00	154.13	7416.46	-87.84	42.59	97.62	97.62	154.13	2.00
7675.00	20.00	154.13	7654.82	-155.46	75.37	172.77	172.77	154.13	2.00
7925.00	25.00	154.13	7885.71	-241.52	117.10	268.41	268.41	154.13	2.00
End of Build									
7991.08	26.32	154.13	7945.28	-267.27	129.58	297.02	297.02	154.13	2.00
Begin 1.25°/100' Drop									
8317.17	26.32	154.13	8237.56	-397.37	192.67	441.62	441.62	154.13	.00
8567.17	23.20	154.13	8464.55	-491.57	238.34	546.30	546.30	154.13	1.25
8817.17	20.07	154.13	8696.91	-574.50	278.54	638.46	638.46	154.13	1.25
9067.17	16.95	154.13	8933.95	-645.90	313.16	717.82	717.82	154.13	1.25
9317.17	13.82	154.13	9174.96	-705.57	342.10	784.13	784.13	154.13	1.25
9567.17	10.70	154.13	9419.23	-753.33	365.25	837.21	837.21	154.13	1.25
9817.17	7.57	154.13	9666.03	-789.04	382.56	876.89	876.89	154.13	1.25
10067.17	4.45	154.13	9914.62	-812.59	393.98	903.06	903.06	154.13	1.25
10317.17	1.32	154.13	10164.28	-823.90	399.47	915.64	915.64	154.13	1.25
Target									
10422.91	.00	154.13	10270.00	-825.00	400.00	916.86	916.86	154.13	1.25
BHL									
10802.91	.00	154.13	10650.00	-825.00	400.00	916.86	916.86	154.13	.00