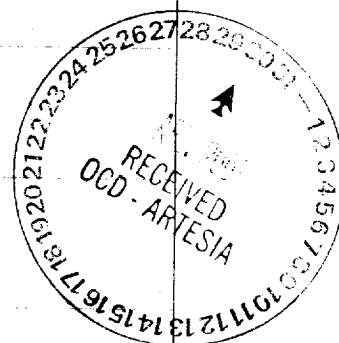
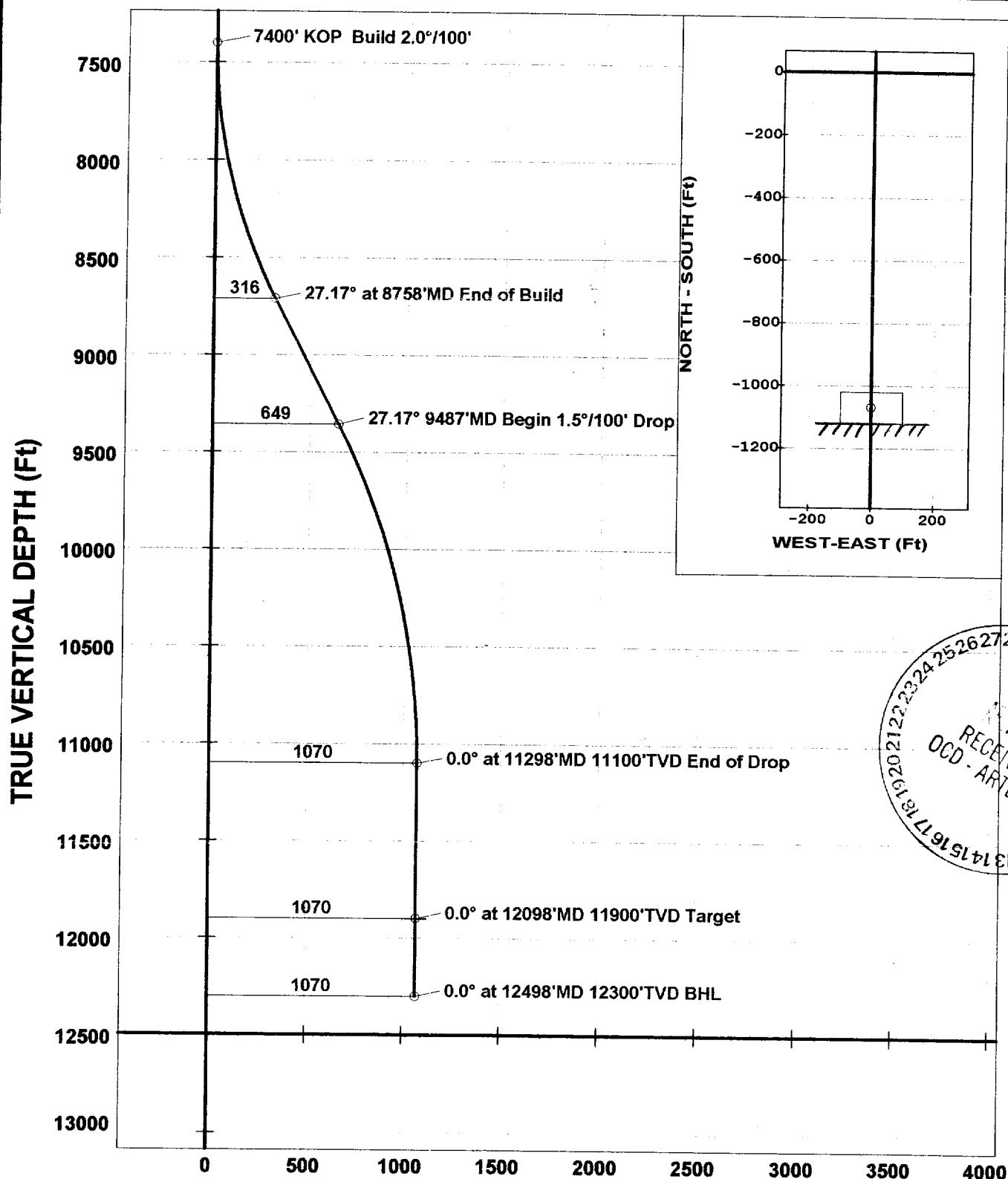


Company: Concho Resources, Inc.
Lease/Well: West Shugart 31 Fed. Com #1
Location: Eddy County
State/Country: New Mexico



-- Proposal

VERTICAL SECTION (Ft) @ 180.00°



Job Number:
 Company: Concho Resources
 Lease/Well: W. Shugart 31 Fed. Corn #1
 Location: Eddy County
 Rig Name:
 RKB:
 G.L. or M.S.L.:

State/Country: New Mexico
 Declination:
 Grid: True North
 File name: C:\WINSERVE\SUR\CONCHO\SHUGART.SVY
 Date/Time: 05-Apr-01 / 10:24
 Curve Name: Preliminary Plan

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane: 180.00
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
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Kick-off Point Build 2.0°/100'

7400.00	.00	.00	7400.00	.00	.00	.00	.00	.00	.00
7500.00	2.00	180.00	7499.98	-1.75	.00	1.75	1.75	180.00	2.00
7600.00	4.00	180.00	7599.84	-6.98	.00	6.98	6.98	180.00	2.00
7700.00	6.00	180.00	7699.45	-15.69	.00	15.69	15.69	180.00	2.00
7800.00	8.00	180.00	7798.70	-27.88	.00	27.88	27.88	180.00	2.00
7900.00	10.00	180.00	7897.47	-43.52	.00	43.52	43.52	180.00	2.00
8000.00	12.00	180.00	7995.62	-62.60	.00	62.60	62.60	180.00	2.00
8100.00	14.00	180.00	8093.06	-85.10	.00	85.10	85.10	180.00	2.00
8200.00	16.00	180.00	8189.64	-110.98	.00	110.98	110.98	180.00	2.00
8300.00	18.00	180.00	8285.27	-140.21	.00	140.21	140.21	180.00	2.00
8400.00	20.00	180.00	8379.82	-172.77	.00	172.77	172.77	180.00	2.00
8500.00	22.00	180.00	8473.17	-208.60	.00	208.60	208.60	180.00	2.00
8600.00	24.00	180.00	8565.21	-247.67	.00	247.67	247.67	180.00	2.00
8700.00	26.00	180.00	8655.84	-289.93	.00	289.93	289.93	180.00	2.00

End of Build

8758.46	27.17	180.00	8708.12	-316.10	.00	316.10	316.10	180.00	2.00
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Begin 1.5°/100' Drop

9486.51	27.17	180.00	9355.84	-648.54	.00	648.54	648.54	180.00	.00
9586.51	25.67	180.00	9445.39	-693.03	.00	693.03	693.03	180.00	1.50
9686.51	24.17	180.00	9536.08	-735.16	.00	735.16	735.16	180.00	1.50
9786.51	22.67	180.00	9627.84	-774.91	.00	774.91	774.91	180.00	1.50

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
9886.51	21.17	180.00	9720.61	-812.24	.00	812.24	812.24	180.00	1.50
9986.51	19.67	180.00	9814.32	-847.12	.00	847.12	847.12	180.00	1.50
10086.51	18.17	180.00	9908.92	-879.55	.00	879.55	879.55	180.00	1.50
10186.51	16.67	180.00	10004.33	-909.48	.00	909.48	909.48	180.00	1.50
10286.51	15.17	180.00	10100.49	-936.91	.00	936.91	936.91	180.00	1.50
10386.51	13.67	180.00	10197.34	-961.81	.00	961.81	961.81	180.00	1.50
10486.51	12.17	180.00	10294.80	-984.17	.00	984.17	984.17	180.00	1.50
10586.51	10.67	180.00	10392.82	-1003.97	.00	1003.97	1003.97	180.00	1.50
10686.51	9.17	180.00	10491.32	-1021.19	.00	1021.19	1021.19	180.00	1.50
10786.51	7.67	180.00	10590.24	-1035.83	.00	1035.83	1035.83	180.00	1.50
10886.51	6.17	180.00	10689.51	-1047.88	.00	1047.88	1047.88	180.00	1.50
10986.51	4.67	180.00	10789.06	-1057.32	.00	1057.32	1057.32	180.00	1.50
11086.51	3.17	180.00	10888.82	-1064.16	.00	1064.16	1064.16	180.00	1.50
11186.51	1.67	180.00	10988.73	-1068.38	.00	1068.38	1068.38	180.00	1.50
11286.51	.17	180.00	11088.72	-1069.98	.00	1069.98	1069.98	180.00	1.50

End of Drop									
11297.79	.00	180.00	11100.00	-1070.00	.00	1070.00	1070.00	180.00	1.50
Target									
12097.79	.00	180.00	11900.00	-1070.00	.00	1070.00	1070.00	180.00	.00
BHL									
12497.79	.00	180.00	12300.00	-1070.00	.00	1070.00	1070.00	180.00	.00