



HOBBS OCD
AUG 06 2015
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EdelWeisse 28-21 State Com 1H Rev4 Proposal Geodetic Report

(Def Plan)

Report Date: July 29, 2015 - 01:15 PM
Client: Devon
Field: Lea County (NAD83)
Structure / Slot: Devon EdelWeisse - Pliny / EdelWeisse 28-21
Well: EdelWeisse 28-21 State Com 1H
Borehole: EdelWeisse 28-21 State Com 1H
UWI / API#: Unknown / Unknown
Survey Name: EdelWeisse 28-21 State Com 1H Rev4
Survey Date: March 13, 2015
Tort / AHD / DDI / ERD Ratio: 91.343 ° / 4789.252 ft / 5.811 / 0.502
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 48' 22.89449", W 103° 15' 49.58152"
Location Grid N/E Y/X: N 658748.120 ftUS, E 869962.070 ftUS
CRS Grid Convergence Angle: 0.5795 °
Grid Scale Factor: 1.00003276
Version / Patch: 2.8.572.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.310 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3779.400 ft above Mean Sea Level
Seabed / Ground Elevation: 3754.400 ft above Mean Sea Level
Magnetic Declination: 7.160 °
Total Gravity Field Strength: 998.5456mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48499.366 nT
Magnetic Dip Angle: 60.828 °
Declination Date: March 13, 2015
Magnetic Declination Model: HDGM 2015
North Reference: Grid North
Grid Convergence Used: 0.5795 °
Total Corr Mag North->Grid North: 6.5805 °
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")		Longitude (E/W ° ' ")	
Tie-In	0.00	0.00	359.37	0.00	0.00	0.00	0.00	N/A	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	100.00	0.00	359.37	100.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	200.00	0.00	359.37	200.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	300.00	0.00	359.37	300.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	400.00	0.00	359.37	400.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	500.00	0.00	359.37	500.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	600.00	0.00	359.37	600.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	700.00	0.00	359.37	700.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	800.00	0.00	359.37	800.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	900.00	0.00	359.37	900.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	1000.00	0.00	359.37	1000.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	1100.00	0.00	359.37	1100.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	1200.00	0.00	359.37	1200.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58
	1300.00	0.00	359.37	1300.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W	103 15 49.58

SEP 25 2015

Handwritten initials

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")		Longitude (E/W ° ' ")
	1400.00	0.00	359.37	1400.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	1500.00	0.00	359.37	1500.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	1600.00	0.00	359.37	1600.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	1700.00	0.00	359.37	1700.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	1800.00	0.00	359.37	1800.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	1900.00	0.00	359.37	1900.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	2000.00	0.00	359.37	2000.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	2100.00	0.00	359.37	2100.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	2200.00	0.00	359.37	2200.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	2300.00	0.00	359.37	2300.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	2400.00	0.00	359.37	2400.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	2500.00	0.00	359.37	2500.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	2600.00	0.00	359.37	2600.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	2700.00	0.00	359.37	2700.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	2800.00	0.00	359.37	2800.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	2900.00	0.00	359.37	2900.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	3000.00	0.00	359.37	3000.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	3100.00	0.00	359.37	3100.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	3200.00	0.00	359.37	3200.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	3300.00	0.00	359.37	3300.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	3400.00	0.00	359.37	3400.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	3500.00	0.00	359.37	3500.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	3600.00	0.00	359.37	3600.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	3700.00	0.00	359.37	3700.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	3800.00	0.00	359.37	3800.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	3900.00	0.00	359.37	3900.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	4000.00	0.00	359.37	4000.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	4100.00	0.00	359.37	4100.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	4200.00	0.00	359.37	4200.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	4300.00	0.00	359.37	4300.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	4400.00	0.00	359.37	4400.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	4500.00	0.00	359.37	4500.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	4600.00	0.00	359.37	4600.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	4700.00	0.00	359.37	4700.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	4800.00	0.00	359.37	4800.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	4900.00	0.00	359.37	4900.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	5000.00	0.00	359.37	5000.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	5100.00	0.00	359.37	5100.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	5200.00	0.00	359.37	5200.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	5300.00	0.00	359.37	5300.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	5400.00	0.00	359.37	5400.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	5500.00	0.00	359.37	5500.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	5600.00	0.00	359.37	5600.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	5700.00	0.00	359.37	5700.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)		Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	5800.00	0.00	359.37	5800.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	5900.00	0.00	359.37	5900.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	6000.00	0.00	359.37	6000.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	6100.00	0.00	359.37	6100.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	6200.00	0.00	359.37	6200.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	6300.00	0.00	359.37	6300.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	6400.00	0.00	359.37	6400.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	6500.00	0.00	359.37	6500.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	6600.00	0.00	359.37	6600.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	6700.00	0.00	359.37	6700.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	6800.00	0.00	359.37	6800.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	6900.00	0.00	359.37	6900.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	7000.00	0.00	359.37	7000.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	7100.00	0.00	359.37	7100.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	7200.00	0.00	359.37	7200.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	7300.00	0.00	359.37	7300.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	7400.00	0.00	359.37	7400.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	7500.00	0.00	359.37	7500.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	7600.00	0.00	359.37	7600.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	7700.00	0.00	359.37	7700.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	7800.00	0.00	359.37	7800.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	7900.00	0.00	359.37	7900.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	8000.00	0.00	359.37	8000.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	8100.00	0.00	359.37	8100.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	8200.00	0.00	359.37	8200.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	8300.00	0.00	359.37	8300.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	8400.00	0.00	359.37	8400.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	8500.00	0.00	359.37	8500.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	8600.00	0.00	359.37	8600.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	8700.00	0.00	359.37	8700.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	8800.00	0.00	359.37	8800.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	8900.00	0.00	359.37	8900.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	9000.00	0.00	359.37	9000.00	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
KOP	9024.50	0.00	359.37	9024.50	0.00	0.00	0.00	0.00	658748.12	869962.07	N	32 48 22.89	W 103 15 49.58
	9100.00	8.30	359.37	9099.74	5.46	5.46	-0.06	11.00	658753.58	869962.01	N	32 48 22.95	W 103 15 49.58
	9200.00	19.30	359.37	9196.70	29.29	29.29	-0.32	11.00	658777.41	869961.75	N	32 48 23.18	W 103 15 49.58
	9300.00	30.30	359.37	9287.33	71.18	71.17	-0.79	11.00	658819.29	869961.28	N	32 48 23.60	W 103 15 49.58
	9400.00	41.30	359.37	9368.31	129.59	129.58	-1.43	11.00	658877.71	869960.64	N	32 48 24.18	W 103 15 49.58
	9500.00	52.30	359.37	9436.65	202.38	202.37	-2.24	11.00	658950.49	869959.83	N	32 48 24.90	W 103 15 49.58
	9600.00	63.30	359.37	9489.85	286.87	286.86	-3.17	11.00	659034.99	869958.90	N	32 48 25.73	W 103 15 49.58
	9700.00	74.30	359.37	9525.95	379.97	379.94	-4.20	11.00	659128.08	869957.87	N	32 48 26.65	W 103 15 49.59
	9800.00	85.30	359.37	9543.62	478.24	478.21	-5.29	11.00	659226.34	869956.78	N	32 48 27.63	W 103 15 49.59
Landing Point	9841.78	89.90	359.37	9545.37	519.97	519.93	-5.75	11.00	659268.07	869956.32	N	32 48 28.04	W 103 15 49.59
	9900.00	89.90	359.37	9545.47	578.19	578.15	-6.40	0.00	659326.29	869955.67	N	32 48 28.62	W 103 15 49.59

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	10000.00	89.90	359.37	9545.64	678.19	678.15	-7.50	0.00	659426.29	869954.57	N 32 48 29.60	W 103 15 49.59
	10100.00	89.90	359.37	9545.82	778.19	778.14	-8.61	0.00	659526.28	869953.46	N 32 48 30.59	W 103 15 49.59
	10200.00	89.90	359.37	9545.99	878.19	878.13	-9.71	0.00	659626.28	869952.36	N 32 48 31.58	W 103 15 49.59
	10300.00	89.90	359.37	9546.17	978.19	978.13	-10.82	0.00	659726.28	869951.25	N 32 48 32.57	W 103 15 49.59
	10400.00	89.90	359.37	9546.34	1078.19	1078.12	-11.93	0.00	659826.28	869950.14	N 32 48 33.56	W 103 15 49.59
	10500.00	89.90	359.37	9546.51	1178.19	1178.12	-13.03	0.00	659926.27	869949.04	N 32 48 34.55	W 103 15 49.59
	10600.00	89.90	359.37	9546.69	1278.19	1278.11	-14.14	0.00	660026.27	869947.93	N 32 48 35.54	W 103 15 49.60
	10700.00	89.90	359.37	9546.86	1378.19	1378.10	-15.24	0.00	660126.27	869946.83	N 32 48 36.53	W 103 15 49.60
	10800.00	89.90	359.37	9547.03	1478.19	1478.10	-16.35	0.00	660226.26	869945.72	N 32 48 37.52	W 103 15 49.60
	10900.00	89.90	359.37	9547.21	1578.19	1578.09	-17.46	0.00	660326.26	869944.61	N 32 48 38.51	W 103 15 49.60
	11000.00	89.90	359.37	9547.38	1678.19	1678.08	-18.56	0.00	660426.26	869943.51	N 32 48 39.50	W 103 15 49.60
	11100.00	89.90	359.37	9547.56	1778.19	1778.08	-19.67	0.00	660526.25	869942.40	N 32 48 40.49	W 103 15 49.60
	11200.00	89.90	359.37	9547.73	1878.19	1878.07	-20.77	0.00	660626.25	869941.29	N 32 48 41.48	W 103 15 49.60
	11300.00	89.90	359.37	9547.90	1978.19	1978.07	-21.88	0.00	660726.25	869940.19	N 32 48 42.47	W 103 15 49.60
	11400.00	89.90	359.37	9548.08	2078.19	2078.06	-22.99	0.00	660826.24	869939.08	N 32 48 43.46	W 103 15 49.60
	11500.00	89.90	359.37	9548.25	2178.19	2178.05	-24.09	0.00	660926.24	869937.98	N 32 48 44.45	W 103 15 49.61
	11600.00	89.90	359.37	9548.42	2278.19	2278.05	-25.20	0.00	661026.24	869936.87	N 32 48 45.44	W 103 15 49.61
	11700.00	89.90	359.37	9548.60	2378.18	2378.04	-26.31	0.00	661126.23	869935.76	N 32 48 46.42	W 103 15 49.61
	11800.00	89.90	359.37	9548.77	2478.18	2478.03	-27.41	0.00	661226.23	869934.66	N 32 48 47.41	W 103 15 49.61
	11900.00	89.90	359.37	9548.95	2578.18	2578.03	-28.52	0.00	661326.23	869933.55	N 32 48 48.40	W 103 15 49.61
	12000.00	89.90	359.37	9549.12	2678.18	2678.02	-29.62	0.00	661426.22	869932.45	N 32 48 49.39	W 103 15 49.61
	12100.00	89.90	359.37	9549.29	2778.18	2778.02	-30.73	0.00	661526.22	869931.34	N 32 48 50.38	W 103 15 49.61
EdelWeisse 28-21 State Com 1H Midpoint	12161.40	89.90	359.37	9549.40	2839.58	2839.41	-31.41	0.00	661587.62	869930.66	N 32 48 50.99	W 103 15 49.61
	12200.00	91.06	359.29	9549.08	2878.18	2878.01	-31.86	3.00	661626.22	869930.21	N 32 48 51.37	W 103 15 49.61
EOC (Curve-Hold)	12209.48	91.34	359.27	9548.88	2887.66	2887.48	-31.98	3.00	661635.69	869930.09	N 32 48 51.47	W 103 15 49.61
	12300.00	91.34	359.27	9546.76	2978.16	2977.97	-33.12	0.00	661726.18	869928.94	N 32 48 52.36	W 103 15 49.62
	12400.00	91.34	359.27	9544.42	3078.13	3077.94	-34.39	0.00	661826.15	869927.68	N 32 48 53.35	W 103 15 49.62
	12500.00	91.34	359.27	9542.09	3178.10	3177.90	-35.66	0.00	661926.12	869926.41	N 32 48 54.34	W 103 15 49.62
	12600.00	91.34	359.27	9539.75	3278.07	3277.87	-36.92	0.00	662026.09	869925.15	N 32 48 55.33	W 103 15 49.63
	12700.00	91.34	359.27	9537.41	3378.05	3377.83	-38.19	0.00	662126.05	869923.88	N 32 48 56.32	W 103 15 49.63
	12800.00	91.34	359.27	9535.07	3478.02	3477.80	-39.45	0.00	662226.02	869922.62	N 32 48 57.31	W 103 15 49.63
	12900.00	91.34	359.27	9532.73	3577.99	3577.76	-40.72	0.00	662325.99	869921.35	N 32 48 58.30	W 103 15 49.63
	13000.00	91.34	359.27	9530.39	3677.96	3677.72	-41.98	0.00	662425.96	869920.09	N 32 48 59.29	W 103 15 49.64
	13100.00	91.34	359.27	9528.06	3777.94	3777.69	-43.25	0.00	662525.93	869918.82	N 32 49 0.27	W 103 15 49.64
	13200.00	91.34	359.27	9525.72	3877.91	3877.65	-44.51	0.00	662625.89	869917.56	N 32 49 1.26	W 103 15 49.64
	13300.00	91.34	359.27	9523.38	3977.88	3977.62	-45.78	0.00	662725.86	869916.29	N 32 49 2.25	W 103 15 49.65
	13400.00	91.34	359.27	9521.04	4077.85	4077.58	-47.04	0.00	662825.83	869915.02	N 32 49 3.24	W 103 15 49.65
	13500.00	91.34	359.27	9518.70	4177.83	4177.55	-48.31	0.00	662925.80	869913.76	N 32 49 4.23	W 103 15 49.65
	13600.00	91.34	359.27	9516.36	4277.80	4277.51	-49.57	0.00	663025.76	869912.49	N 32 49 5.22	W 103 15 49.66
	13700.00	91.34	359.27	9514.02	4377.77	4377.48	-50.84	0.00	663125.73	869911.23	N 32 49 6.21	W 103 15 49.66
	13800.00	91.34	359.27	9511.69	4477.74	4477.44	-52.11	0.00	663225.70	869909.96	N 32 49 7.20	W 103 15 49.66

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")		Longitude (E/W ° ' ")
EdelWeisse 28-21 State Com 1H Toe	13900.00	91.34	359.27	9509.35	4577.72	4577.41	-53.37	0.00	663325.67	869908.70	N	32 49 8.19	W 103 15 49.66
	14000.00	91.34	359.27	9507.01	4677.69	4677.37	-54.64	0.00	663425.64	869907.43	N	32 49 9.18	W 103 15 49.67
	14100.00	91.34	359.27	9504.67	4777.66	4777.34	-55.90	0.00	663525.60	869906.17	N	32 49 10.17	W 103 15 49.67
	14111.59	91.34	359.27	9504.40	4789.25	4788.92	-56.05	0.00	663537.19	869906.02	N	32 49 10.28	W 103 15 49.67

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	25.000	1/100.000	30.000	30.000	SLB_MWD-STD-Depth Only	EdelWeisse 28-21 State Com 1H / EdelWeisse 28-21 State Com 1H
	1	25.000	14111.591	1/100.000	30.000	30.000	SLB_MWD-STD	EdelWeisse 28-21 State Com 1H / EdelWeisse 28-21 State Com 1H