

Cimarex Chief 30 State #7H Rev1 ST01 19Sep16 Proposal Geodetic Report

(Non-Def Plan)

Report Date: September 19, 2016 - 06:59 AM
Client: Cimarex
Field: NM Lea County (NAD 83)
Structure / Slot: Cimarex Chief 30 State #7H / Cimarex Chief 30 State #7H
Well: Chief 30 State #7H
Borehole: ST01
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Chief 30 State #7H Rev1 ST01 19Sep16
Survey Date: September 19, 2016
Tort / AHD / DDI / ERD Ratio: 90.009 ° / 4653.773 ft / 5.763 / 0.404
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 32' 15.94311", W 103° 29' 42.39303"
Location Grid N/E Y/X: N 560384.840 ftUS, E 799652.900 ftUS
CRS Grid Convergence Angle: 0.4509 °
Grid Scale Factor: 0.99998551
Version / Patch: 2.9.370.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.541 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: Unknown
TVD Reference Elevation: 3724.200 ft above MSL
Seabed / Ground Elevation: 3724.200 ft above MSL
Magnetic Declination: 6.823 °
Total Gravity Field Strength: 998.4961mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48374.183 nT
Magnetic Dip Angle: 60.540 °
Declination Date: September 19, 2016
Magnetic Declination Model: HDGM 2016
North Reference: Grid North
Grid Convergence Used: 0.4509 °
Total Corr Mag North->Grid North: 6.3724 °
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 ° ' ")
SHL [330' FSL, 2180' FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	7100.00	0.00	0.00	7100.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	7200.00	0.00	0.00	7200.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	7300.00	0.00	0.00	7300.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	7400.00	0.00	0.00	7400.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39

Comments	MD (ft)	Incl (°)	Azim (°)	Grid (ft)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	7700.00	0.00	0.00	7700.00	7700.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	7800.00	0.00	0.00	7800.00	7800.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	7900.00	0.00	0.00	7900.00	7900.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	8000.00	0.00	0.00	8000.00	8000.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	8100.00	0.00	0.00	8100.00	8100.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	8200.00	0.00	0.00	8200.00	8200.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	8300.00	0.00	0.00	8300.00	8300.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	8400.00	0.00	0.00	8400.00	8400.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	8500.00	0.00	0.00	8500.00	8500.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	8600.00	0.00	0.00	8600.00	8600.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	8700.00	0.00	0.00	8700.00	8700.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	8800.00	0.00	0.00	8800.00	8800.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	8900.00	0.00	0.00	8900.00	8900.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	9000.00	0.00	0.00	9000.00	9000.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	9100.00	0.00	0.00	9100.00	9100.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	9200.00	0.00	0.00	9200.00	9200.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	9300.00	0.00	0.00	9300.00	9300.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	9400.00	0.00	0.00	9400.00	9400.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	9500.00	0.00	0.00	9500.00	9500.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	9600.00	0.00	0.00	9600.00	9600.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	9700.00	0.00	0.00	9700.00	9700.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	9800.00	0.00	0.00	9800.00	9800.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	9900.00	0.00	0.00	9900.00	9900.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	10000.00	0.00	0.00	10000.00	10000.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	10100.00	0.00	0.00	10100.00	10100.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	10200.00	0.00	0.00	10200.00	10200.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	10300.00	0.00	0.00	10300.00	10300.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	10400.00	0.00	0.00	10400.00	10400.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	10500.00	0.00	0.00	10500.00	10500.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	10600.00	0.00	0.00	10600.00	10600.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	10700.00	0.00	0.00	10700.00	10700.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	10800.00	0.00	0.00	10800.00	10800.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	10900.00	0.00	0.00	10900.00	10900.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	11000.00	0.00	0.00	11000.00	11000.00	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
Build 12"/100' DLS	11009.97	0.00	0.00	11009.97	11009.97	0.00	0.00	0.00	0.00	560384.84	799652.90	N 32 32 15.94	W 103 29 42.39
	11100.00	10.80	0.00	11099.47	8.46	8.46	0.00	0.00	12.00	560393.30	799652.90	N 32 32 16.03	W 103 29 42.39
	11200.00	22.80	0.00	11195.02	37.32	37.32	0.00	0.00	12.00	560422.16	799652.90	N 32 32 16.31	W 103 29 42.39
	11300.00	34.80	0.00	11282.49	85.41	85.41	0.00	0.00	12.00	560470.25	799652.90	N 32 32 16.79	W 103 29 42.39
	11400.00	46.80	0.00	11358.05	150.63	150.64	0.00	0.00	12.00	560535.48	799652.90	N 32 32 17.43	W 103 29 42.38
	11500.00	58.80	0.00	11418.39	230.14	230.15	0.00	0.00	12.00	560614.99	799652.90	N 32 32 18.22	W 103 29 42.37
	11600.00	70.80	0.00	11460.89	320.46	320.47	0.00	0.00	12.00	560705.31	799652.90	N 32 32 19.11	W 103 29 42.36
Build 4"/100' DLS	11634.97	75.00	0.00	11471.17	353.88	353.89	0.00	0.00	12.00	560738.72	799652.90	N 32 32 19.44	W 103 29 42.36
	11700.00	77.60	359.91	11486.57	417.05	417.06	-0.05	4.00	560801.90	799652.85	N 32 32 20.07	W 103 29 42.36	
	11800.00	81.60	359.77	11504.62	515.38	515.40	-0.33	4.00	560900.23	799652.57	N 32 32 21.04	W 103 29 42.35	
	11900.00	85.59	359.63	11515.77	614.74	614.75	-0.86	4.00	560999.58	799652.04	N 32 32 22.03	W 103 29 42.35	
	12000.00	89.59	359.49	11519.97	714.63	714.64	-1.62	4.00	561099.47	799651.28	N 32 32 23.01	W 103 29 42.35	
Landing Point	12010.19	90.00	359.48	11520.00	724.82	724.83	-1.71	4.00	561109.66	799651.19	N 32 32 23.11	W 103 29 42.35	
	12100.00	90.00	359.48	11520.00	814.63	814.64	-2.52	0.00	561199.46	799650.38	N 32 32 24.00	W 103 29 42.35	
	12200.00	90.00	359.48	11520.00	914.63	914.63	-3.43	0.00	561299.46	799649.47	N 32 32 24.99	W 103 29 42.35	
	12300.00	90.00	359.48	11520.00	1014.63	1014.63	-4.34	0.00	561399.45	799648.56	N 32 32 25.98	W 103 29 42.35	
	12400.00	90.00	359.48	11520.00	1114.63	1114.63	-5.24	0.00	561499.45	799647.66	N 32 32 26.97	W 103 29 42.35	
	12500.00	90.00	359.48	11520.00	1214.63	1214.62	-6.15	0.00	561599.44	799646.75	N 32 32 27.96	W 103 29 42.35	
	12600.00	90.00	359.48	11520.00	1314.63	1314.62	-7.05	0.00	561699.44	799645.85	N 32 32 28.95	W 103 29 42.35	
	12700.00	90.00	359.48	11520.00	1414.63	1414.61	-7.96	0.00	561799.43	799644.94	N 32 32 29.94	W 103 29 42.36	
	12800.00	90.00	359.48	11520.00	1514.63	1514.61	-8.87	0.00	561899.42	799644.03	N 32 32 30.93	W 103 29 42.36	
	12900.00	90.00	359.48	11520.00	1614.63	1614.60	-9.77	0.00	561999.42	799643.13	N 32 32 31.92	W 103 29 42.36	
	13000.00	90.00	359.48	11520.00	1714.63	1714.60	-10.68	0.00	562099.41	799642.22	N 32 32 32.91	W 103 29 42.36	
	13100.00	90.00	359.48	11520.00	1814.63	1814.60	-11.58	0.00	562199.41	799641.32	N 32 32 33.90	W 103 29 42.36	
	13200.00	90.00	359.48	11520.00	1914.63	1914.59	-12.49	0.00	562299.40	799640.41	N 32 32 34.89	W 103 29 42.36	
	13300.00	90.00	359.48	11520.00	2014.63	2014.59	-13.40	0.00	562399.39	799639.50	N 32 32 35.88	W 103 29 42.36	
	13400.00	90.00	359.48	11520.00	2114.63	2114.58	-14.30	0.00	562499.39	799638.60	N 32 32 36.87	W 103 29 42.37	
	13500.00	90.00	359.48	11520.00	2214.63	2214.58	-15.21	0.00	562599.38	799637.69	N 32 32 37.86	W 103 29 42.37	
	13600.00	90.00	359.48	11520.00	2314.63	2314.58	-16.12	0.00	562699.38	799636.78	N 32 32 38.85	W 103 29 42.37	
	13700.00	90.00	359.48	11520.00	2414.63	2414.57	-17.02	0.00	562799.37	799635.88	N 32 32 39.84	W 103 29 42.37	
	13800.00	90.00	359.48	11520.00	2514.63	2514.57	-17.93	0.00	562899.37	799634.97	N 32 32 40.82	W 103 29 42.37	
	13900.00	90.00	359.48	11520.00	2614.63	2614.56	-18.83	0.00	562999.36	799634.07	N 32 32 41.81	W 103 29 42.37	
	14000.00	90.00	359.48	11520.00	2714.63	2714.56	-19.74	0.00	563099.35	799633.16	N 32 32 42.80	W 103 29 42.37	
	14100.00	90.00	359.48	11520.00	2814.63	2814.56	-20.65	0.00	563199.35	799632.25	N 32 32 43.79	W 103 29 42.38	
	14200.00	90.00	359.48	11520.00	2914.63	2914.55	-21.55	0.00	563299.34	799631.35	N 32 32 44.78	W 103 29 42.38	
	14300.00	90.00	359.48	11520.00	3014.63	3014.55	-22.46	0.00	563399.34	799630.44	N 32 32 45.77	W 103 29 42.38	
	14400.00	90.00	359.48	11520.00	3114.63	3114.54	-23.36	0.00	563499.33	799629.54	N 32 32 46.76	W 103 29 42.38	
	14500.00	90.00	359.48	11520.00	3214.63	3214.54	-24.27	0.00	563599.33	799628.63	N 32 32 47.75	W 103 29 42.38	
	14600.00	90.00	359.48	11520.00	3314.63	3314.53	-25.18	0.00	563699.32	799627.72	N 32 32 48.74	W 103 29 42.38	
	14700.00	90.00	359.48	11520.00	3414.63	3414.53	-26.08	0.00	563799.31	799626.82	N 32 32 49.73	W 103 29 42.38	
	14800.00	90.00	359.48	11520.00	3514.63	3514							