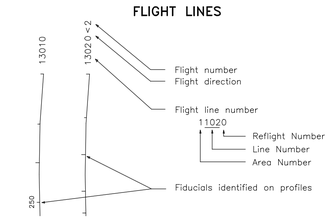
TECHNICAL SUMMARY

Navigation . . . . . Differentially-corrected GPS
Data reduction grid interval . . . 40 metres, 20 m (infills)
Terrain clearance . . . . . Helicopter 57 m
Electromagnetic sensor 30 m
Magnetometer 30 m
Data sampling interval . . . . . 0.1 second
Magnetometer / sensitivity . . . . Cesium / 0.01 nT
Electromagnetic system . . . . . FUGRO RESOLVE

Frequency	Sensitivity	Coil Orientation
3300 Hz	0.12 ppm	Vertical coaxial
400 Hz	0.12 ppm	Horizontal coplanar
1800 Hz	0.12 ppm	Horizontal coplanar
8200 Hz	0.24 ppm	Horizontal coplanar
40000 Hz	0.60 ppm	Horizontal coplanar
140000 Hz	0.60 ppm	Horizontal coplanar

FLIGHT LINES



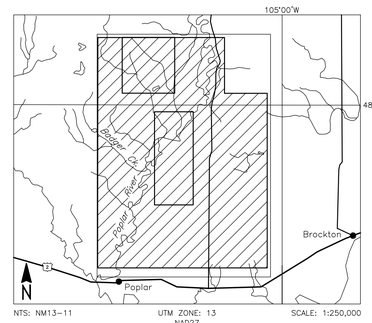
nT
57258.3
57253.1
57249.7
57247.5
57245.9
57244.2
57242.3
57240.2
57238.0
57236.0
57233.9
57232.0
57230.0
57227.9
57225.8
57223.9
57221.8
57219.5
57217.1
57214.8
57212.3
57209.6
57207.2
57204.7
57202.3
57199.8
57197.5
57194.9
57192.0
57189.3
57186.6
57183.9
57181.3
57178.6
57175.6
57172.6
57169.8
57166.9
57163.9
57160.8
57157.8
57154.9
57152.0
57148.8
57145.8
57142.6
57139.4
57136.2
57133.0
57129.6
57126.0
57122.4
57119.2
57116.1
57113.1
57110.3
57107.6
57104.9
57102.8
57100.7
57099.1
57097.6
57095.8

TOTAL MAGNETIC FIELD CONTOURS

. . . . . 100 nT
. . . . . 20 nT
. . . . . 4 nT
. . . . . 2 nT
. . . . . magnetic low

Magnetic inclination within the survey area: 59 degrees N
Magnetic declination within the survey area: 6 degrees E

LOCATION MAP



U.S. GEOLOGICAL SURVEY
EAST POPLAR OIL FIELDS, MONTANA

TOTAL MAGNETIC FIELD

FUGRO RESOLVE SURVEY	REF: NM13-11	GEOPHYSICIST:
DATE: AUGUST, 2004	JOB: 04034	SHEET: 1
Fugro Airborne Surveys		

1/2 0 1 Mi
Scale 1:24 000

FUGRO AIRBORNE SURVEYS