



**LEGEND:**

- LIMIT OF NESHAPS CLAY COVER
- G.P.S. GAMMA SURVEY READING
- SITE CONTOURS (50', 10' & 2')
- - - EXISTING UN-PAVED ACCESS ROAD
- X X EXISTING SITE FENCING
- + UMETCO SITE COORDINATE GRID

**GHP #2 EXPOSURE READING TABLE**

10-METER GRID COLOR LEGEND	G.P.S. GAMMA EXPOSURE SURVEY READING CRITERIA	NUMBER OF EXPOSURE READINGS	PERCENTAGE OF TOTAL READINGS	MEAN OF READINGS ( $\mu\text{R/hr}$ )
Light Blue	$\leq 20 \mu\text{R/hr}$	0	0.00%	0.0
Medium Blue	$> 20 \text{ \& } \leq 30 \mu\text{R/hr}$	2	0.03%	30.0
Dark Blue	$> 30 \text{ \& } \leq 40 \mu\text{R/hr}$	5,850	84.04%	36.7
Orange	$> 40 \text{ \& } \leq 50 \mu\text{R/hr}$	1,108	15.92%	42.7
Red	$> 50 \text{ \& } \leq 60 \mu\text{R/hr}$	1	0.01%	51.0
Yellow	$> 60 \mu\text{R/hr}$	0	0.00%	0.0
<b>TOTAL:</b>		<b>6,961</b>	<b>100.00%</b>	<b>37.7</b>

[Empty Box] NO EXPOSURE READINGS WITHIN GRID  
 [Box with 35] NUMBER OF EXPOSURE READINGS WITHIN GRID  
 [Box with 35] AVERAGE OF READINGS WITHIN GRID ( $\mu\text{R/hr}$ )  
 [Box with 35] GRID DESIGNATION  
 [Grid] 10/100 METER VERIFICATION GRID

- NOTES:**
- GHP#2 AREA POST RECLAMATION EXPOSURE VERIFICATION DATA COLLECTED ON 10/24/2005 (7464 POINTS).
  - ALL DATA FROM SCINTILLATION MEASUREMENTS USING A BARE DETECTOR HELD ONE METER ABOVE THE GROUND SURFACE.
  - MAXIMUM GRID AVERAGE = 48  $\mu\text{R/hr}$  EXPOSURE, THREE GRIDS AT 48  $\mu\text{R/hr}$  EXPOSURE (#453, #635 AND #707). MAXIMUM READING = 51  $\mu\text{R/hr}$  EXPOSURE, LOCATED IN GRID #453.
  - TOPOGRAPHY FROM THE 6/9/2000 AERIAL SURVEY BY A.M.I. ENGINEERING, INC., LITTLE ROCK, ARKANSAS AND FROM UMETCO'S ENGINEERING DEPARTMENT DESIGN CONTOURS FOR GHP2.

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 SCALE: 1" = 100'

**UMETCO MINERALS CORPORATION**  
**EAST GAS HILLS GHP #2**  
**GAMMA EXPOSURE RATES**  
**NATRONA COUNTY, WYOMING**  
 JANUARY 2006 PLATE 1

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