

INEX Drilling Log

Project: GMI

Location: Cap Rock, NM

Date: 5/12/05

Rig: IR TH-60 AR

Logger: W.L. Mansker

DH#: MW-2

MW-2 GPS Location
33.38462 N LAT.
109.83858 W LONG.

Depth ft bgs	Description	Well Construction
		~3.5' high ← 6" Monum Completion
0-5'	Red-brn, Alluvial/colluvial silty sand 0-3'. Coliche in same 3-5'	4" dia. PUC BLANK 92'-Surface (to 95') 8-10% Bentonite grout 90'-Surface
5-10'	-do- Coliche 5-8', Red silty sand 5-10'	
10-15'	-do- red, silty sand	
15-20'	red-brn, dry silty clay	
20-25'	-do- 20-23'. Red, silty, micaceous clay @ 23-25'	
25-30'	-do- loose, dry silty clay	
30-35'	red-brn, clay (no silt), tight, hard	
35-40'	lt-tan - gray & brn variegated clay, tight, firm (no silt).	
40-45'	-do- 40-43'. Tight, firm red clay 43-44' Red-brn, tight clay (dry, no silt)	
45-50'	red-brn, tight clay 45-47'. Gray-brn clayey silt 47-50'	
50-55'	-do- gray-brn clayey silt.	
55-60'	gray-brn, firm, silty clay	
60-65'	lt-gray, hard clay 60-63'. Lt-brn silty clay 63-64'. Gray, silty sandy clay 64-65'	
65-70'	Gray, tight, hard clay	
70-75'	-do- gray hard clay 70-73'. Change to red-brn tight clay 73-75'	
75-80'	dk-red-brn, v. tight, damp clay SSS taken 77-79'	
80-85'	-do- dk-red-brn tight clay, damp	
85-90'	-do- dk-red-brn, v. tight, damp clay	
90-95'	-do- clay 91-93'. dk-brn, damp silty clay 93-95'	Bentonite 2' → 92'

EXHIBIT

GMI-24

W. Mansker

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INEX Drilling Log

Project: GMI

Location: Caprock, NM

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DH#: MW-2

Depth ft bgs	Description	Well Construction
95-100'	damp, moist dk-brn silty clay	Screened 182-92' 8-1/4 CSSI Filter Sand 182-90'
100-105'	- do - damp - moist (LSilt) clay	
105-110'	- do - damp, tight (LSilt) clay	
110-115'	damp - moist silty clay + clayey silt	
115-120'	damp, (Lmoist) clayey silt + silty clay	
120-125'	red-brn, dry, shaley clay (laminated)	
125-130'	- do - shaley clay. silty clay 129-130'	
130-135'	red clay 133-134'. red-brn clay, hard, tight 134-135'	
135-140'	hard, dry, brn clay 135-139'. changes to brn-gray hard clay 139-140'. v. hard drilling	
140-145'	red-brn, dry clay 140-142'. sh. silty, damp clay 142-145'	
145-150'	brn, damp, clayey silt	
150-155'	- do - clayey silt	
155-160'	- do - clayey silt 155-157'	
160-165'	hard, damp, clayey, sandy silt 157-160'	
165-170'	- do - clayey, sandy silt 160-161'	
170-175'	gray, clayey silt, damp - moist 161-165'	
175-180'	- do - clayey silt, with 4-6" clay stringers	
180-185'	- do - clayey silt w/ clay stringers	
185-190'	- do - red-brn clay, tight, firm	WB 182' TD ~ 188' bgs
	- do - red-brn clay to TDB 188'	

W.L. Mansker