

WELL No. 9674-T
 Permit - Min-805
 Columbia Gas Transmission Corporation Mineral Tract #10
 Harvey District, Mingo County, West Virginia
 Map Square 32-27
 Commenced Drilling 9-20-71
 Elevation - 934.78' Gr. L.
 958.00' R.K.B.

2905
 958
 -2947

1305
 958
 -347

1716
 958
 -758

3773
 958
 -2815

1484
 958
 -526

2140
 958
 -1182

Allegheny Series	0 - 724	Gas @ 1013' Est. 500 Mcf
Lee (Salt Sand)	724 - 1215	
Mauch Chunk Formation	1215 - 1305	Water 1098'
Greenbrier (Big Lime) Limestone	1305 - 1484 -347	
Injun Sand	1484 - 1625 -526	Gas @ 1432' Est. 300 Mcf
Shale	1625 - 1716	
Weir Sand	1716 - 1766 -758	Gas @ 2993' Est. 500 Mcf
Pocono Shale	1766 - 2110	
Sunbury Shale	2110 - 2140	Gas increased @ 3115' to Est.
Berea Sand	2140 - 2240 -1182	750 Mcf
Devonian (Brown) Shale	2240 - 3773	
Onondaga Limestone	3773 - 3800 -2815	Gas increased @ 3186' to Est.
Huntersville Limestone	3800 - 3905	1,000 Mcf
Oriskany Sand	3905 - 3920 -2947	
Helderberg Limestone	3920 - 4020	Show gas at 4033' H ₂ S
Salina Formation	4020 - 4297	
McKenzie Formation	4297 - 4497 -3339	Show gas at 4478' and 4484'
Keefer Sand	4497 - 4518 -3539	
Rose Hill Shale	4518 - 4910 -3560	All gas estimated 200 Mcf at 6145'
Tuscarora (Clinton) Sand	4910 - 4986 -3952	
Juniata Shale	4986 - 5385 -4028	
Martinsburg Formation	5385 - 5964 -4427	
Trenton Limestone	5964 - -5006	

Present Total Depth 6145'
 Running 13 3/8" casing 1-3-72

Ran 20" casing at 1641' cemented to surface
 Ran 26" casing at 54' cemented to surface

Note: All measurements are Schlumberger from Kelly Bushing.

4297
 958
 -3339

4497
 958
 -3539

4518
 958
 -3560

4910
 958
 -3952

5385
 958
 -4427

4986
 958
 -4028

5964
 958
 -5006

Ming. - 805

HOLDEN QUAD

IV. VA.

** W VA MINGO 4150 S-1200 W
COLUMBIA GAS TRANSMISSION FEE
958 KB 935 GR
SPUD 09/22/71
CSG 26 AT 54
13 3/8 AT 6104
LTD 19537

37.55 82.10 WD
805 HARVEY
LOGN-HOLDN-DINGESS
D&A

20 AT 1641

BTM PRECAMBRIAN

LOG--	TOP			LOG--	TOP		
ALLEGHNY	0	724		SALINA	4020	4297	3062-
SALT SD	724	1215	234	MCKENZIE	4297	4497	3339-
MAUCH CH	1215	1305	257-	KEEFER	4497	4518	3539-
B LM	1305	1485	347-	ROSEHILL	4518	4910	3560- Sub none
B INJUN	1484	1625	526-	TUSCRORA	4910	4986	3952- Sit 3452
WEIR	1716	1766	758-	JUNIATA	4986	5385	4028- (64)
POCONO	1766	2110	808-	MARTNSBG	5385	5964	4427-
SUNBURY	2110	2140	1152-	TRENTON	5964	6608	5006-
BEREA	2140	2240	1182-	BLACK RV	6608	7760	5650-
DEV SH	2240	3773	1282-	ST PETER	8494	8522	7536-
ONONDAGA	3773	3800	2815-	BEEKMTWN	8522	9300	7564-
HUNTRSVL	3800	3905	2842-	ROSE RUN	9300	9450	8342-
ORISKANY	3905	3920	2947-	COPR RDG	9450	9500	8492-
HELDERBG	3920	4020	2962-				

1 of 3

47 16

MAP QUAD HOLDEN PROJ DEPTH BASEMENT AC 5748
 CONTR LOFFLAND BRO TOOLS RT
 CARTER COORD 1-Q-88
 OPR WELL #9674-T
 FIELD NAME - LOGAN-HOLDEN-DINGESS
 LOGAN-HOLDEN-DINGESS FIELD PRODUCES FROM
 DEVONIAN SH
 2 MI N OF TOWN OF DINGESS
 GAS AT 1013/SALT SD F 500 MCFGPD. HFW FROM
 1098/SALT SD. GAS AT 1098/SALT SD F 700
 MCFGPD
 GAS AT 1432/BIG LIME F EST MCFGPD.
 2992/DEVONIAN SH F EST 500 MCFGPD. 3115/
 DEVONIAN SH F EST 750 MCFGPD. 3186/DEVONIAN
 SH F EST 1000 MCFGPD. SG AT 4033/SALINA.
 4478/MCKENZIE. 4484/MCKENZIE. GAS AT 6145/
 TRENTON. F EST 200 MCFGPD
 RAN LOGS TO 6145
 GAS AT 6072/TRENTON. SG AT 8038/WELLS CREEK.
 8143/WELLS CREEK. 8197/WELLS CREEK. 8260/
 WELLS CREEK. 8736/BEEKMANTOWN. 8748/
 BEEKMANTOWN. 8753/BEEKMANTOWN. 9191/

2 of 3

16

BEEKMANTOWN. WTR AT 9250/ROSE RUN. 9350/ROSE
 RUN
 RAN LOGS TO 10960
 13,061 TD. UNABLE TO RECOVER STUCK DRILL COLLARS
 PB 12,000
 DRILLED BY DRILL COLLARS
 18,554 TD. SET WHIPSTOCK AT 17,716
 D&A. WILL RE-ISSUE WHEN ADDITIONAL DATA IS
 AVAILABLE
 COMPLETION

ISSUED 04/20/73