

PAUL HYATT 12-21-74 AM

EXXON #1 McCoy

- 6100-50 Dolo-tan-Brn-fn Xlyn tr anhydrite  
6150-70 Dolo-Gray-Brn-fn Xlyn staly, tr anhyd.  
6170-80 ✓ ✓ ✓ ✓ ✓ 12 pieces of sd.-  
fn, white, quartzitic, tite  
6180-90 Dolo-Gray-Brn, fn Xlyn, about 20 pieces of sd.-  
fn, white, quartzitic, tite  
~~6190- Dolo-Gray-Brn, fn Xlyn, about 20 pieces of sd.-  
fn, white, quartzitic, tite~~  
6190-6200 Shi-Brn-gray splintery. - 2 dozen pieces of Snb  
sand.- wh, fine, tite, fn gr.  
6200-10 Shi-DK gray-green, splintery tr sd. fn wh.  
tite, fn gr.  
6210-20 - Poor sample - water appeared at  
6205. - -  
at 11 AM Dec 21 circulating at 6223, misting,  
trying to dig up the hole.

Before 6195 we were drilling at  $1\frac{1}{2}$  min per ft.  
6195-6200 - 3 min per ft  
6200-70 5 min per ft.

I believe the top of the Newburg is at 6195  
I think the sand above this depth was composed  
of thin stringers

Jerry Davis: via tel. 12-19-74 8:00 AM

At 9:00 PM on 12-18-74  $\phi$  5443 14 $\frac{3}{4}$ " hole (15' per ft)

Wade McCormick (Exxon Well-site Geologist)

T. Onondaga 5225 (-4225) > 145'

T. Oriskany 5370 (-4430)

Slight flare of gas at connection 5370'. No sustained burning (Note: Exxon report 12-19-74 Gas Flare at 5370' - Connection at 5380')

No increase in air pressure while drilling Oriskany (hence, not wet) Dusting as expected in dry section.

Air circulation 5500' per minute at 250#

NOTE: At approx. 1940 in the B. Lime (dolomite w/ good porosity) had a flare of gas... not sustained, but said to be better flare than that encountered at 5370 (Orisk)

Wade McCormick (Exxon well-site Geologist)

T. Helderberg 5440 (clear white chert)

- 8:15 AM 12-19-74

Depth 5469 Tripping for bit #4

Dropped small piece of metal in hole. Waiting on magnet.

EXXON 1 - McCoy

Dec 19, 1974

Geologist W. McCormick TD 5469

Operation - Trig N/B - Fishing

While changing out reamers dropped Baker float + Battle plate  
in hole. W/O magnet to retrieve float + Battle plate.

Lithology -

5100 - 5220 - shale, med gray, dark brn, silty w/ silty  
sized particles, detrital, hard, platy -

5220 - 5370 Limestone, light gray-tan, cherty, some  
dolomite xls on leached surf, skeletal, grain size 4-6

no por -

5370 - 5440 sandstone, cream-white, silty limy,  
quartz grains - friable, tightly cemented, fine to  
gran, 3-5, mostly  $\downarrow$ , subrounded, no por -

1 time light gas blow at 5370 -

5440 - ~~50~~ 50 Limestone, dark gray, micritic, some  
rexlized, fine grained, cherty -

5450 - 60 Chert, cream, clear, smoky, translucent

Spl. Fm Tops -

Orondaga 5220 - 25

Oriskany ss 5370

Helderberg 5440

Exploration Logging Co., rigged up started logging

Dec 18, 1974 8 pm - 5430'

12/20/74 @ 5650 30'/hr  $\pm$  Helderberg ls

Poss Don  
Drlg time 5210

Decomposed shale

5200

5200

ORANGE

EXROW  
I-M-CON  
JACKSON CO  
W. OH.

2 4 6 8 10 15 20 30 40 50

5300

Poss Dor

CLAY

2 4 6 8 10 15 20 30 40 50

5400

Hell Creek

CLAY  
SAND

5500

5500

2 4 6 8 10 15 20 30 40 50

5600

5600

FLATFORK

	<u>Exxon-McCoy</u>	<u>Union-Evans</u>	(F-17437) <u>Ortis-Ancher</u>
Elev.	940	893	945
Top Onondaga	5225 (-4285)	5253 (-4360) >150'	5258 (-4313) >148'
Top Oriskany	5370 (-4430) 5/8	5403 (-4510) Wt.	5406 (-4461) Wt.

Green Brink

1900 1900'

← GREEN BRINK 45.

0 2 4 8 10 12 14

2000

← BIG JASON

2100

← Pochard

2050

2075

2100

2125

2150

COSS (CONDUCT) PLANK

CONDUCT TO (CG)

CO flane

CO flane

CO flane

EXXON - WALTER Coy #1

12/11/74  
G. AYDINIAN

T.D. - 2435'  
Res. Op. - Stuck at 6am;  
Presently free &  
conditioning hole

2000 - ~~2000~~

LIMESTONE (100%) from 2000-2020' - sandy, dolo.  
20-40% micrite and 60-80% colitic and  
grain ls. (70-80% grains), Calc cmt.  
med. gr. No  $\phi$

Greenbrier  
Fm.

Dolomite (100%) 2022-2060' - sandy, limey  
~20% micrite and 80% recryst.  
Silt sized, euhedral xls.  
Scattered vug porosity

Gas show at 2025'; feeds in and flows (G)  
after every connection

2060-2120

Sandstone (100%) lt grey - white, v.f.-f. gr,  
subgr., fair - good sort, ~~gtc~~ gte sand w/  
dolo cmt.

Big. INJUN

Scattered intergranular  $\phi$

2120-2260

Siltstone (20-100%) dk gry, gtzose w/ clay cmt.  
v. well sorted.

Pocono

also a lt gry, well sorted, clean gte siltstone  
w/ dolo. cmt.

Shale: (0-80%) dk gry, silty, hard, platy cl.  
grades into dk slst above

2260-2400

Shale: A/A (100%)

Drilling stuck at 6am, 2435' : now free.

12/20/74  $\phi$  5650 30'/hr  $\pm$  Helderberg Ls.

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.

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	Gas @ 1432' Est. 300 Mcf
Injun Sand	1484 - 1625	
Shale	1625 - 1716	Gas @ 2993' Est. 500 Mcf
Weir Sand	1716 - 1766	
Pocono Shale	1766 - 2110	Gas increased @ 3115' to Est. 750 Mcf
Sunbury Shale	2110 - 2140	
Berea Sand	2140 - 2240	Gas increased @ 3186' to Est. 1,000 Mcf
Devonian (Brown) Shale	2240 - 3773	
Onondaga Limestone	3773 - 3800	
Huntersville Limestone	3800 - 3905	Show gas at 4033' H <sub>2</sub> S
Oriskany Sand	3905 - 3920	
Helderberg Limestone	3920 - 4020	Show gas at 4478' and 4484'
Salina Formation	4020 - 4297	
McKenzie Formation	4297 - 4497	All gas estimated 200 Mcf at 6145'
Keefer Sand	4497 - 4518	
Rose Hill Shale	4518 - 4910	
Tuscarora (Clinton) Sand	4910 - 4986	
Juniata Shale	4986 - 5385	
Martinsburg Formation	5385 - 5964	
Trenton Limestone	5964 -	
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.