

STATE PLANE CO-ORDINATES
 FOR THIS PROPOSED WELL TO BE
 PLUGGED ARE:
 N 545,452.15
 E 1,793,843.09
 LAT. 38°29'45"
 LONG. 81°43'12"

LATITUDE 38°30'00"

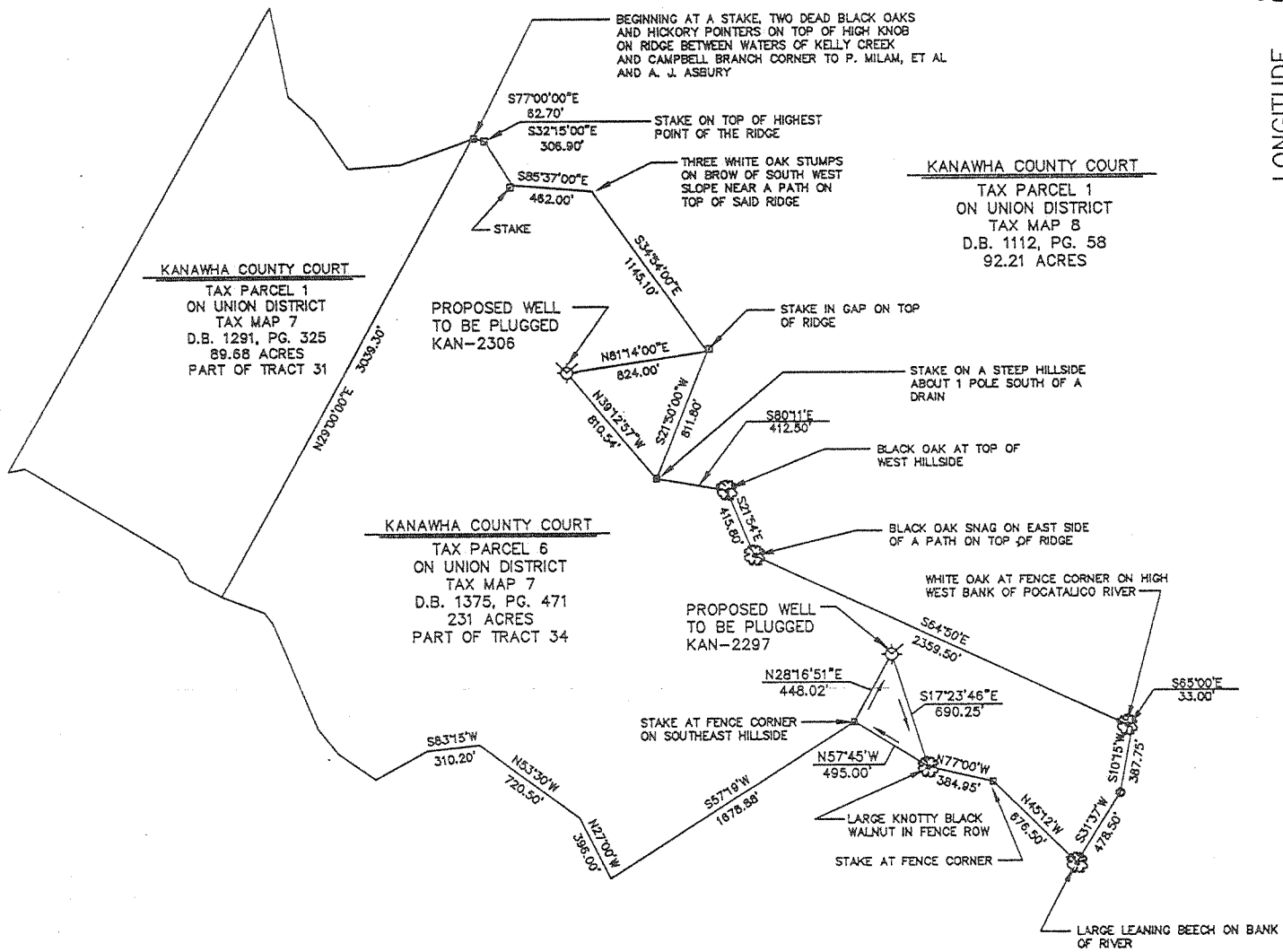
3470

LONGITUDE 81°42'30"

1500'

TOPO
 LOC

0.283
 0.65W



ALBERT J. MILLER
 LAND SURVEYORS
 P.O. BOX 991
 CLENDENIN, WEST VIRGINIA 25045
 (304) 548-8161

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No _____
 DRAWING No. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 : 10,000
 PROVEN SOURCE OF ELEVATION GPS SURVEY

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES

(SIGNED) Albert J. Miller
 R.P.E. _____ R.P.S. 513

ALBERT J. MILLER
 LICENSED
 No. 513
 STATE OF WEST VIRGINIA
 LAND SURVEYOR

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 NITRO, WV

DATE SEPTEMBER 23 19 98
 OPERATOR'S WELL No. CPK - 16
 API WELL No. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ STATE 47 COUNTY 039 PERMIT 02306P
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 776.46 WATER SHED CAMPBELL'S BR. TO POCATALICO RIVER TO KANAWHA RIVER
 DISTRICT UNION COUNTY KANAWHA
 QUADRANGLE POCATALICO

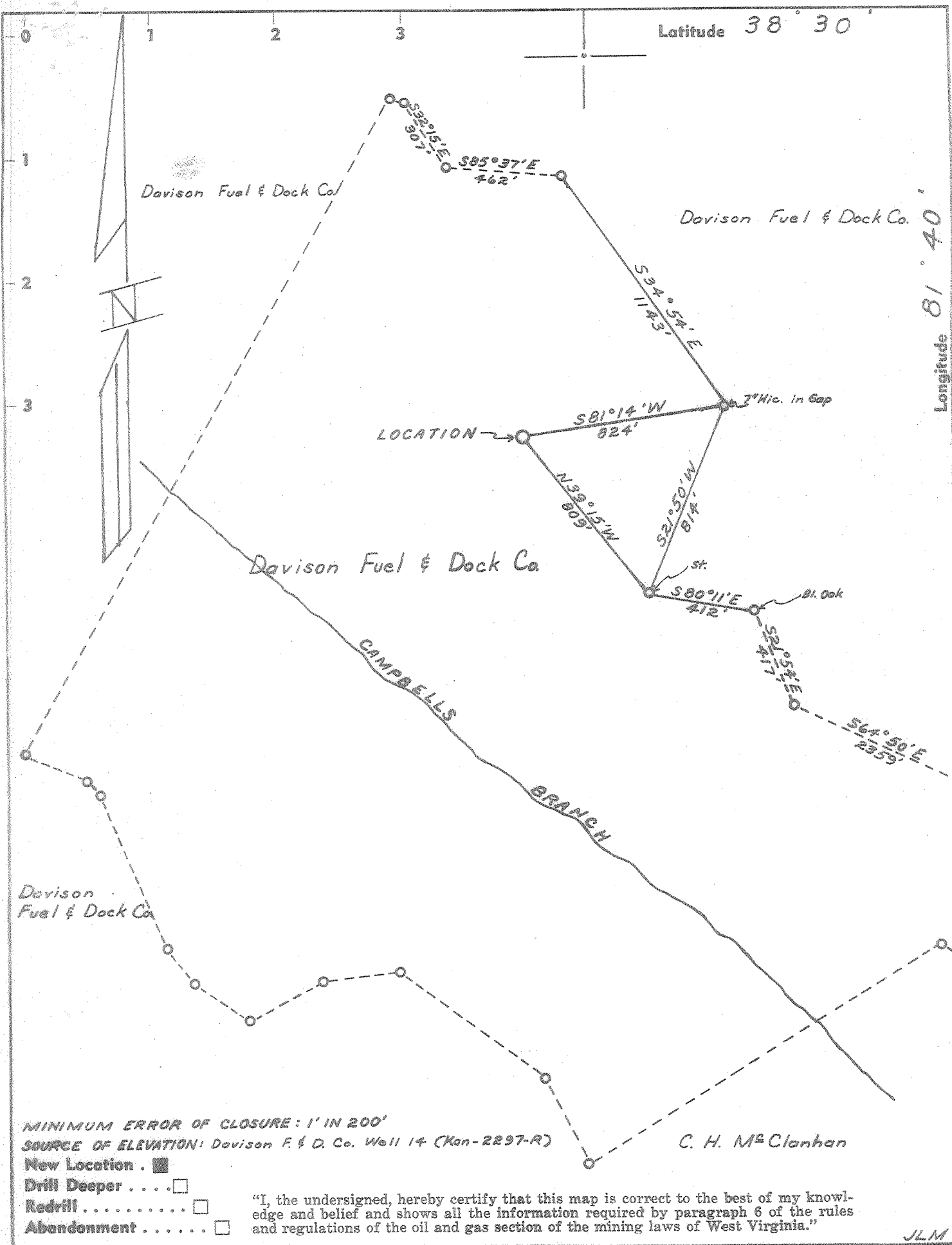
SURFACE OWNER KANAWHA COUNTY COURT ACREAGE 231
 OIL & GAS ROYALTY OWNER KANAWHA COUNTY COURT LEASE ACREAGE 231
 LEASE No. _____

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON X CLEAN OUT AND REPLUG _____
 TARGET FORMATION NEWBURG ESTIMATED DEPTH 5582
 WELL OPERATOR STEVE DUCKWORTH DESIGNATED AGENT STEVE DUCKWORTH
 ADDRESS P.O. BOX 6871 ADDRESS P.O. BOX 6871
 CHARLESTON, WV 25362 CHARLESTON, WV 25362



KAN 2306 P



MINIMUM ERROR OF CLOSURE: 1' IN 200'
 SOURCE OF ELEVATION: Davison F. & D. Co. Well 14 (Kan-2297-R)

- New Location .
- Drill Deeper
- Redrill
- Abandonment

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

JLM

Company CUMBERLAND GAS CO. & APPALACHIAN EXP. & DEV. INC.
 Address BOX 2386 CHARLESTON, W. VA.
 Farm DAVISON FUEL & DOCK CO.
 Tract _____ Acres 231 Lease No. CKP-1
 Well (Farm) No. 15 Serial No. CKP-16
 Elevation (Spirit Level) 783.5
 Quadrangle CHARLESTON NE
 County KANAWHA District UNION
 Engineer G. H. Hall
 Engineer's Registration No. 2602
 File No. _____ Drawing No. _____
 Date 9-20-68 Scale Scale: 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Kan-2306

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 13

Rotary
Spudder
Cable Tools
Storage

Location Charleston, N. W.

Permit No. Kan 2306 Rev.

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Cumberland Gas Co. & Appalachian Explor. & Devel., Inc.
 Address P.O. Box 2386 & P.O. Box 628, Chas., W. Va.
 Drilling Davison Fuel & Dock Company Acres 231
 Location (waters) Pocatalico
 Well No. Farm No. 15 (Serial No. CKP-16) Elev. 783.5
 District Union County Kanawha
 The surface of tract is owned in fee by Davison Fuel & Dock Co.
 Address Lower River Road, North Bend, Ohio
 Mineral rights are owned by Davison Fuel & Dock Co.
 Address Lower River Road, North Bend, Ohio
 Drilling commenced 9-21-68
 Drilling completed 10-11-68
 Shot From To
 Open Flow /10ths Water in Inch
 /10ths Merc. in Inch
 Volume Cu. Ft.
 Rock Pressure 1753 lbs 72 hrs.
 bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS)
 WELL FRACTURED (DETAILS) 1,000 gal. acid, 15,500# sand, 50# Bbl. water
 RESULT AFTER TREATMENT (Initial open Flow or bbls.) 3,300 Mcf. 3,300,000
 ROCK PRESSURE AFTER TREATMENT HOURS
 Fresh Water Feet Salt Water Feet 1320
 Producing Sand Newburg Depth

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13-3/8"	72	72	
10-5/8"	1930	1930	Size of
8-7/8"	5550	5550	Depth set
5 3/16"			
4 1/2"			
3"			Perf. top
2-3/8"		5540	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record. (See back of sheet)
 CASING CEMENTED SIZE No. Ft. Date
 Amount of cement used (bags)
 Name of Service Co.
 COAL WAS ENCOUNTERED AT FEET INCHES
 FEET INCHES FEET INCHES
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay & sand			0	77			
Sand & shale			77	865			
Coal			865	870			
Sand & shale			870	1100		5574	5574
Sand			1100	1610	water	4833	784
Big Lime			1610	1805		741	4790
Sand & shale			1805	1930			
Lime			1930	2190			
Shale			2190	2280			
Sand			2280	2290			
Shale			2290	4735			
Lime			4735	4833			
Oriskany			4833	4880	gas show		
Lime & Sand			4880	4900			
Lime			4900	5574			
Sand <u>Newburg</u>			5574	5582			
Total Depth				5582			



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 10

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Charleston, N.W.

Permit No. Kanawha-2306

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company <u>Cumberland Gas Co. & Appalachian Explor. & Devel., Inc.</u>	& Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P.O. Box 2347 & P.O. Box 628, Chas., W. Va.</u>	Size			Kind of Packer <u>None</u>
Farm <u>Davison Fuel & Dock</u> Acres <u>231</u>	16			
Location (waters) <u>Pocatalico</u>	13- <u>3/8</u>	60	60	
Well No. <u>16</u> Elev. <u>783.5</u>	10			Size of
District <u>Union</u> County <u>Kanawha</u>	9-5/8	1890	1890	Depth set
The surface of tract is owned in fee by <u>Davison Fuel & Dock</u>	7	5535	5535	Perf. top <u>None</u>
Address <u>Sunset Ave., North Bend, Ohio</u>	5 3/16			Perf. bottom
Mineral rights are owned by <u>Davison Fuel & Dock</u>	3			Perf. top
Address <u>Sunset Ave., North Bend, Ohio</u>	2" tubing	5540	5540	Perf. bottom
Drilling commenced <u>October 16, 1968</u>	Liners Used			
Drilling completed <u>October 29, 1968</u>				
Date Shot <u>None</u> From <u> </u> To <u> </u>				
With <u> </u>				
Open Flow <u> </u> /10ths Water in <u> </u> Inch	Attach copy of cementing record. (See back of sheet.)			
<u> </u> /10ths Merc. in <u> </u> Inch	CASING CEMENTED <u> </u> SIZE <u> </u> No. Ft. <u> </u> Date <u> </u>			
Volume <u>3,300</u> Mcf. <u> </u> Cu. Ft.	Amount of cement used (bags) <u> </u>			
Rock Pressure <u>1803</u> lbs. <u>72</u> hrs.	Name of Service Co. <u> </u>			
Oil <u> </u> bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT <u> </u> FEET <u> </u> INCHES			
WELL ACIDIZED (DETAILS) <u> </u>	<u> </u> FEET <u> </u> INCHES <u> </u> FEET <u> </u> INCHES			
WELL FRACTURED (DETAILS) <u>700</u> barrels water, <u>20,000#</u> sand, <u>1000</u> gallons mud acid.	<u> </u> FEET <u> </u> INCHES <u> </u> FEET <u> </u> INCHES			
RESULT AFTER TREATMENT (Initial open Flow or bbls.) <u>4</u> point - <u>5,600</u> Mcf. <u>5,600,000</u>				
ROCK PRESSURE AFTER TREATMENT <u>1810</u> HOURS <u>72</u>				
Fresh Water <u> </u> Feet <u> </u> Salt Water <u> </u> Feet <u> </u>				
Producing Sand <u>Newburg</u> Depth <u>5585</u>				

See Revised Record

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil		Soft	0	40			
Shale		"	40	70			
Sand & shale		"	70	105			
Shale		"	105	290			
Sand		"	290	325			
Sand & shale		"	325	720			
Sand		"	720	870			
Sand & shale		"	870	1350			
Sand		"	1350	1640			
Big Lime		Hard	1640	1820			
Sand		Soft	1820	1860			
Shale		"	1860	2287			
Sand		"	2287	2302			
Shale		"	2302	4728			
Lime		Hard	4728	4819			Onondaga
Sand - drisk		Soft	4819	4860			
Lime		Hard	4860	5559			
Newburg sandstone		Soft	5559	5575			Gas
Lime <u>McKenzie</u>		Hard	5575	5585			

See Revised Record

