POWER OIL COMPANY No. 9634

Drilling commenced May, 1951; commenced drilling with rotary tools July, 1953.

By Hope Natural Gas Co., Clarksburg, W. Va.
Walker District, Wood County, W. Va.
Located 5.45 mi. S. of 39° 20' Lat. and 1.15 mi. W. of 80° 15' Long.
Marietta Quadrangle - SE. Permit Wood-351. Elevation 1039' L.

ORISKANY SANDSTONE, 190, plus, Feet.

			OMISHANI SANDSTONE, 190, plus, Feet.
Top	Bottom	Thickness	
4338	4547	9	Sandstone, medium to dark gray, very fine to fine grained with some medium grains, large grains rounded, contains much black interstitial material, calcareous in part
4347	4360	13	Sandstone, light to medium gray, fine grained, some what calcareous, some medium grained
4360	4380	20	Sandstone, light to medium gray, some dark gray, very fine to fine grained, some medium grained, fine to medium grained in part (with some coarse grains), somewhat calcareous, contains dark gray interstitial material; small amount of chert
4380	4402	22	Sandstone, medium gray, very fine grained, some fine grains, very fine to fine grained in part, contains dark and shaly streak; calcareous; trace of chert at the top
4402	4425	23	Sandstone, light to medium gray, fine to medium grained, some very fine grains, centains dark gray argillaceous streak, somewhat calcareous
4425	4465	4 0	Sandstone, light to medium gray, some dark gray to grayish black in the lewer part, very fine to fine grained, argillaceous, a few of the samples centain a trace of chert, somewhat calcareous
4465	4485		Sandstone, medium to dark gray, contains black interstitial material, very fine to fine grained, argillaceous, slightly to moderately calcareous, contains some medium (rounded) grains
4485	4497	12	Sandstone, dark gray to grayish black, much black interstitial material, very fine to fine grained,
4497	4528	•	Sandstone, medium gray to brewnish gray with dark gray to grayish black, shaly streak; calcareous, very fine to fine grained with some medium grains; some dark gray, highly glauconitic, sandy siltstone at the bottom
		· ·	BRECCIATED LIMESTONE TO CHERT (Huntersville?) 217 Feet (Many of the samples from 4528 to 4840 con- tain vein quartz and calcitez with occasional sand- tone (caved?)
1 528	4625	v . m	Chert, light gray (translucent) to medium gray and prownish gray (percelaneous), much of the chert is preceded, highly calcareous, somewhat delemitic, ery highly calcareous and delemitic from 4555-4625, any of the samples contain dark grayish black (argilaceous) streak; some medium to dark gray, highly calcareous, somewhat glauconitic siltstone from 4600-4615

careous, somewhat glauconitic siltstone from 4600-4615

- 4625 4680 55 Chert (calcareous) to limestone (very cherty), light to medium gray and brownish gray, some dark gray to brownish black, somewhat dolomitic, slightly glauconitic
- 4680 4722 42 Limestone (light brownish gray to brownish gray, cherty), to chert (highly calcareous, light to medium gray and brownish gray), dolomitic
- 4722 4755 33 Chert (light to medium gray, translucent, some dark gray, calcareous) to limestone (light brownish gray to brownish gray, some brownish black to dark gray, very cherty), somewhat dolomitic, contains a few shally streaks
- 4755 4767 12 Chert, brownish gray to brownish black, very highly calcareous, argillaceous; some light gray calcareous shale chest
- 4767 4840 73 Chert to limestone, light gray to light brownish gray and property brownish gray, some dark gray to brownish black (argillaceous), somewhat dolomitic
- Sandstone, light to medium gray and brownish gray, very fine to fine grained, calcareous; a very large amount of chert to limestone (very cherty), light gray to brownish gray and brownish black; some vein quartz and calcite
- 6845 6865 20 Chert to limestone (cherty), light to medium gray and brownish gray, somewhat dolomitic; some sandstone, light gray to brownish gray and some dark gray, very fine to fine grained, calcareous; some vein calcite
- 4865 4875 10 A mixture of chert to limestone, brownish gray to medium gray; sandstone, light gray to medium gray and brownish gray, very fine to fine grained with some vein quartz and calcite
- 4875 4885 10 Chert (highly calcareous) to limestone (very cherty), medium light to medium dark gray and brownish gray, some brownish black, contains some clear calcite; a very small amount of light to medium gray sandstone
- Chert, medium light to medium dark gray, highly calcareous to a brownish gray to brownish black, cherty limestone, dolomitic in upper part, somewhat dolomitic in the lower part; contains small amount of light to dark gray very fine to fine grained sandstone and clear calcite; some grayish black to black, argillaceous material (shaly streaks) from 4805 to 4940 4930
- Shale (silicified) to chert (highly argillaceous), medium gray to brownish gray and dark gray to brownish black, some grayish black, highly calcareous, dolomitic to highly delomitic, somewhat glauconitic at the top to highly glauconitic at the bottom; contains a little clear calcite
- 4960 4985 25 Shale, dark gray, highly calcareous, dolomitic, therty, glauconitic
- 4985 5025 40 Chert to limestone, light gray to brownish gray, some brownish black to dark gray and grayish black (shaly); occasional gray sandstone tragment in the lower part
- 5025 5042 17 Chert (translucent to opaque light to medium gray, some dark gray (argillaceous), calcareous to a limestone, brownish gray with some brownish black, argillaceous; small amount of clear calcite
- 5042 5065 23 Chert, very light to light gray, mostly translucent, somewhat calcareous; limestone, brownish gray with some brownish black (arcillaceous), cherty (lacy)
- 5065 5105 40 Chert (light to medium gray, translucent with some dark gray to brownish black (argillaceous), calcareous to limestone (brownish gray with brownish black (argillaceous) spots and streaks, cherty

	_		
51.05	5 5135	30	Chert (light to medium gray, translucent, small amount of dark gray to brownish black (argillaceous), calcareous; a large amount of brownish gray, very cherty limestone with brownish black (argillaceous) streak; trace of light gray sandstone in the lower part
5135	5225	90	Chert (very light to medium gray, translucent) to limestone light brownish gray to brownish gray, very cherty (lacy); small amount of brownish black to dark gray, argillaceous limestone to chert in the upper part and some in the lower part
522 5	52 45	20	Chert to limestone, light gray to light brownish gray and brownish gray, some brownish black to grayish black (argillaceous); a large amount of dark gray to brownish black and grayish black, argillaceous limestone and chert in the upper part
5245	52 60	15	Chert (white to light gray, translucent to transparent, medium gray to grayish black are illaceous), calcareous to limestone (light brownish gray to brownish gray, cherty (lacy)
526 0	5275	15	Chert, light to medium gray mottled with dark gray to grayish black (argillaceous), silty to a silicified, dolomitic siltstone, highly calcareous to cherty brownish gray to brownish black limestone
	5285	10	Chert, light to medium gray and brownish gray mottled with dark gray to grayish black (argillaceous), very highly calcareous, silty in part
5285	5320	3 5	Chert, light to light gray (translucent) mottled with some dark gray to grayish black (argillaceous), highly calcareous to a light brownish gray to brownish gray and some brownish black, silty, dolomitic limestone
5320	5340	20	Chert, medium light to medium dark gray, small amount of brownish black (argillaceous), highly calcareous to a some-what dolomitic and silty, brownish gray limestone
5340	5370	30	Chert, medium light to medium dark gray (translucent) and brownash black (argillaceous), very highlycalcareous, silty, dolomitic
5370	5415	45	Chert, medium light to medium dark gray, dark gray to brown- ish black, cherty limestone; some medium gray to medium dark gray and brownish gray, dolomitic, calcareous gray siltstone from 5390 to 5405
5415	5445	30	Chert, medium light gray to medium gray, some light gray in the lower part, highly calcareous to a brownish gray to brownish black, cherty limestone; some medium gray to brownish gray, highly calcareous, dolomitic siltstone at the bottom
•			ORISKANY SANDSTONE, 170 Feet
5445	5450	5	Sandstone, light to medium gray, fine to medium grained, subrounded to rounded, very fine to fine grained in part, highly calcareous; some dark greenish gray sandstone to dark gray calcareous shale, highly glauconitic; some brownish gray to brownish black limestone (cherty) to dark gray chert
~		_	

A mixture of limestone (brownish gray to brownish black) to chert, medium to dark gray, some brownish black (argillaceous) sandstone (light to/medium gray, fine grained) to sandstone in only small part of samples

5450 546**0 1**0

			W00-73 (
5460	547 0	10	Sandstone, light to medium gray, some dark gray with black streak, fine grained, some medium grains, calcareous; some light to medium gray and brownish gray chert to brownish gray and brownish black, cherty limestone
5470	5475	5	Sandstone, dark gray to grayish black with some dark streaks (carbonaceous or organic material), fine grained, fine to medium grained in part
5475	5 505	30	Sandstone, light gray, some dark gray to grayish black in the lower part, very fine to fine grained with some medium (rounded) grains, fine to medium grained in the lower part, calcareous
5 50 5	5530	2 5	Sandstone, light gray, fine to medium grained with very fine grained matrix, large grains rounded
5530	55 45	15	Sandstone, light to medium grained, very fine to medium grained, some coarse grains, subrounded to rounded, medium to coarse grained at the top, somewhat calcareous
5545	5555	10	Sandstone, light to medium gray, very fine to medium grained, large grains rounded, salcareous, some dark shaly streaks
5 555	556 5	10	Sandstone, medium to medium dark gray with dark gray to grayish black shaly streak, somewhat calcareous, very fine to fine grained, walkarasayxhighlyxaalaarasaxxiaxparkxxaarataxxaaxxiaxxaaxxiaxxiaxxiaxxiaxxiaxxiax
556 5	55 75	10	Sandstone, medium gray with dark gray to grayish black (shaly) streak, very fine grained, calcareous, highly calcay-veous in part, contains some fine grains in the upper part, slightly dolomitic
			HELDERBERG, 45 Feet.
55 75	5 600	25	Sandstone (calcareous, very fine grained) to limestone (very sandy), dark gray to grayish black with white to medium gray spots and streaks, argillaceous and silty with shale streak; somewhat cherty, somewhat dolomitic
5600	5620	20	Limestone, dark gray to grayish black with white to medium
		V	gillaceous with many shale strocks with very silty, ar-
5620	5625	5	
5620 5625	5625 5630	5	gillaceous with many shale streaks, silicified to calcareous chert (in part) Brecciated limestone to chert, 245 feet. Sandstone, light to medium gray, very fine to fine grained, some fine to medium grained, quartzitic, calcareous; chert very light to medium gray, some deak gray (highlight chert
		-	gillaceous with many shale streaks, silicified to calcareous chert (in part) Brecciated limestone to chert, 245 feet. Sandstone, light to medium gray, very fine to fine grained, some fine to medium grained, quartzitic, calcareous; chert very light to medium gray, some dark gray (highly argillaceous), highly calcareous, somewhat dolomitic Limestone, medium light to medium dark gray, with dark gray to grayish black (shaly) streak, argillaceous
5625	5 630	5	gillaceous with many shale streaks, silicified to calcareous chert (in part) Brecciated limestone to chert, 245 feet. Sandstone, light to medium gray, very fine to fine grained, some fine to medium grained, quartzitic, calcareous; chert very light to medium gray, some dark gray (highly argillaceous), highly calcareous, somewhat dolomitic Limestone, medium light to medium dark gray, with dark gray to grayish black (shaly) streak, argillaceous, somewhat silty, Limestone to chert, light to medium gray and brownish gray, mottled with dark gray to grayish brown and brownish gray,

5 705	5 5 785	80	Chert (light to medium gray, translucent) to limestone (lacy), light brownish gray to brownish gray, dolomitic, silty; some brownish black, argillaceous limestone to chert, somewhat dolomitic in the lower part
5 785	5 797	12	Chert (calcareous, somewhat dolomitic) to a cherty, silty dolomitic limestone, light to medium gray and brownish gray, some light brownish gray, some brownish black (argillaceous)
579 7	5812	15	Limestone, light brownish gray to brownish gray, dolomitic and silty in part, cherty (lacy) to light to medium dark gray, calcareous chert; some brownish black, argillaceous limestone to chert
5812	5830	18	Chert to limestone, light and light brownish gray to medium dark gray and brownish gray, some brownish black to grayish black (argillaceous), silty; some medium dark gray to brownish gray, dolomitic glauconitic siltstone with some brownish detritial grains (Collophane?)
5820	58 65	35	wous, dolemitic), light brownish gray to brownish gray and medium dark gray, small amount of brownish black (argillaceous
			ORISKANY SANDSTONE, 71 Feet.
58 65	590 6	35	Sandstone, white so very light gray, fine grained with many medium grains, fine to medium grained in part at the bottom, calcareous
5900	5925	25	Sand stone, light to medium gray, with some dark gray to grayish black (shaly) streaks, very fine to, fine grained, some medium grains, somewhat calcareous; some medium grained, somewhat calcareous; some white to very light gray, fine to coarse grained sandstone
5 925	5 936	11	Sandstone, light to medium gray (top) to medium to medium dark gray (bottom), with dark gray to grayish black (argillaceous) streak, very fine grained, somewhat calcareous
			HELDERBERG, 169 Feet.
5 936	5 950	14	Siltstone to sandstone (very fine grained), mottled light to medium gray and dark gray to grayish black, mg highly calcareous, slightly dolomitic, somewhat cherty, argillaceous with shale streak, small amount of fine to medium sand
5 950	5 960	10	Limestone, light to medium gray (with brownish cast), some grayish black to brownish black (argillaceous), sandy (very fine grained) very silty, cherty
5960	59 80	20	Limestone (very cherty) in the nupper part to chert (very highly calcareous) in the lower part, light gray to brownish gray to medium gray and brownish gray, some dark gray to brownish black (highly argillaceous), dolomitic, very silty and sandy (very fine) in the upper part
5980	600 0	20	Shale, brownish black to grayish black, some brownish gray to medium gray, very highly calcareous, dolomitic in part, cherty in the upper part
6000	6030	30	Shale to chert, dark gray to grayish black, some brownish gray to medium gray, highly calcareous, silty in part, some-what dolomitic in the lower part
6030	6058	28	Chert, light to medium gray, calcaresous with much light gray, calcareous siltstone in the middle and lower part; a moderate amount of dark gray and brownish gray to grayish black, argillaceous, dolomitic, silty to cherty limestone
6058	6090	32	Siltstone and some shale, brownish black to grayish black and light gray to brownish gray, silicified to a silty chert, highly calcareous, dolomitic

,			W00-351
6090	6105	5 15	Limestone, light to medium gray mottled with dark gray to grayish black (argillaceous), silty with some very fine, sand, fossiliferous, pyritic in part, finely crystalline
			CAYUGAN [includes Lockport), 1110 Feet
6105	6 1 17	12	Limestone, dark gray to brownish black and grayish black, some medium gray to brownish gray, argillaceous, dolomitic
6117	6150	33	Limestone, brownish gray to dark gray, some brownish black to grayish black (argillaceous), highly dolomitic, the limestone, is finely crystalline and the dolomite extra fine to very finely crystalline
6150	61 75	25	Dolomite, light brownish gray to brownish gray, some brownish black, moderately to highly calcareous, somewhat argillaceous
6175	618 7	12	Shale, dark gray, dolomitic, somewhat calcareous; some brownish gray to brownish black, argillaceous dolomite
618 7	6217	30	Sandstone, light brownish gray to very light gray, very fine to fine grained, subrounded to rounded, very highly calcareous and highly dolomitic in the upper part to calcareous and dolomitic in the lower part
621 7	6248	31	Dolomite, dark gray to dusky yellowish brown to brownish black, anhydrous to highly anhydrous, somewhat calcareous, moderately argillaceous
6248	62 75	27	Dolomite, dusky yellowish brown to brownish black, some brownish black to black (carbonaceous), argillaceous with some shale streaks, anhydrous
6275	631 0	35	Dolomite-anhydrite rock, dark yellowish brown to dusky yel- lowish brown, some dark yellowish brown to brownish black, dark yellowish brown in the lower part, somewhat to moder- ately argillaceous, highly argillaceous at 6285-90 and 6295-6300
6310	6325	15	Dolomite, dark yellowish brown to brownish black, moderately argillaceous, anhydrous at the top, somewhat anhydrous at the bottom; some dark gray, dolomitic shale in the middle and lower part
6 325	6355	30	Dolomite, dark yellowish brown to brownish black, some brownish black to black (carbonaceous, shaly) streak; moderately argillaceous, somewhat anhydrous
635 5	6447		Dolomite-anhydrite rock, medium dark gray t and dark gray to be brownish black and grayish black, somewhat argillaceous, some light gray to clear anhydrite; a moderate to large amount of darkmgray to dusky yellowish brown, moderately argillaceous, anhydritk-dolomite in the lower part
6447	6475	28	Dolomite, dark to dusky yellowish brown, dark yellowish brown at the top, moderately argillaceous, moderately to highly an hydritic
6475	6520	45	Dolomite, dark yellowish brown to brownish black, moderately argillaceous, somewhat to moderately anhydritic
6520	6545	25	Dolomite, dark yellowish brown to brownish black, some brownish black to black (shaly, carbonaceous), moderately to

brownish black to black (shaly, carbonaceous), moderately to highly argillaceous, somewhat to moderately anhydritic

browniah gray, moderately argillaceous, somewhat to moderately

Dolomite, dark gray to dusky yellowish brown to brownish

black, somewhat to moderately argillaceous, slightly to some-what anhydritic, moderately anhydritic at 6640-6645, much med-lum dark gray to brownish gray at 6645 to 6655 abd 6670 to

Dolomite, dark yellowish brown to brownish black, some

6545

6585

6585

6720 /35

40

anhydritic

6720	6760	40	Dolomite, dark yellowish brown to dusky yellowish brown and brownish gray to brownish black, some brownish black to black (argillaceous, carbonaceous), moderately to highly anhydrous, somewhat argillaceous
6760	6775	15	Dolomite, brownish gray to dark yellowish brown and brownish black, somewhat to moderately anhydrous, somewhat to medium argillaceous
6775	6 790	15	Dolomite, dark yellowish brown to brownish gray and dark brownish black, some brownish black, (Shaly, carbonaceous), somewhat argillaceous, somewhat shaly in the lower part, moderately to highly anhydritic
6790	6820	30	Dolomite, brownish black, some brownish gray to dark yellowish brown, some brownish black to black, moderately argillaceous, somewhat shaly, somewhat to moderately anhydritic, silty and shaly at the bottom
6820	6840	20	Shale, medium dark gray, some medium dark gray to greenish gray, dolomitic, silty in part with some highly dolomitic siltstone, somewhat sandy in part; small amount of white to very light gray, very fine to very fine grained sandstone, quartzose, light gray, rounded; some brownish gray and clive gray to medium dak gray, argillaceous dolomite; a large amount of dark yellowish brown, somewhat argillaceous, anhydritic dolomite
6840	68 70	30	Shale and some siltstone, dolomitic to very highly argillaceous and silty dolomite, olive gray to medium dark gray, some medium dark gray to greenish gray, small amount of light olive gray, somewhat sandy (fine) in the upper part, somewhat anhydritic in the lower part; some brownish black to grayish black, argillaceous dolomite
6870	688 0	10	Some sandstone, white to yellowish gray, fine grained well rounded, do lomitic; dolomite to shale, olive gray to medium dark gray; small amount of anhydrite; some dusky yellowish brown to brownish black, argillaceous, somewhat anhydritic dolomite
68 80	6 900	20	Dolomite, brownish gray to brownish black, argillaceous, somewhat anhydritic; some olive gray to medium dark gray, argillaceous dolomite to dolomitic shale; a large amount of brownish gray to olive gray dolomite at 6890-95
6900	6910	10	Dolomite, brownish black, some brownish gray, moderately to highly anhydritic, somewhat to slightly argillaceous; some brownish gray dolomite
6910	6920	10	Dolomite, brownish black, some brownish gray, somewhat to moderately argillaceous, somewhat anhydritic; some brownish black, dolomitic shale
6920	6945	25	Dolomite, brownish black to grayish black and black, argil- laceous to highly dolomitic shale, slightly to somewhat an- hydritic
6945	6957	,	Dolomite, dark gray to brownish black, seme brownish black, some brownish gray, moderately argillaceous with some dolomitic shale, somewhat anhydritic
6 957	6970 6975	13 28	Dolomite, brownish gray and brownish black in the upper part to brownish black to black in the lower part, somewhat to moderately argillaceous with some dolomitic shale, slightly to somewhat anhydritic, finery crystarline
6970	6982	12 \(Dolomite, brownish black to grayish black, somewhat to moderately argillaceous with a moderate amount of dolomitic shale, slightly anhydritic, the non-shale dolomite is finely crystalline

6982	7015	33	Dolomite, brownish black (dolomitized former colites, brownish black to black colites with light graw matrix), very silty to very sandy (very fine grained) from 7000-10; small amount of white to very light gray dolomite from 7000-10 and a moderate amount at the bottom, this dolomite is fine to finely crystalline
7 0 1 5	8035	20	Dolomite, brownish black, some brownish gray, some brownish black to black (shaly); somewhat to moderately argillaceous; some very light gray, fine to medium crystalline dolomite in the upper part and a little in the lower part
7035	706 0	25	Dolomite, light to light brownish pray, some medium gray to clive gray, finely crystalline; a moderate to large amount of brownish gray to brownish black, finely crystalline dolomite, moderately argillaceous with some shale streak,
7060	7070	10	Dolomite, brownish black to black, some brownish gray, shaly with some dolomitic shale, somewhat anhydrous in the upper part, highly calcareous in the lower part
70 70	7 08 0	10	Limestone (argillaceous) to shale (highly calcareous), gray- ish black, dolomitic, moderate amount in the upper part to a targe amount at the bottom; dolomite, brownish black to black, argillaceous with some dolomitic shale, highly calcareous
7080	7115	3 5	Dolomite, brownish black, some brownish black to grayish black (shaly), some light brownish gray to medium gray, somewhat to moderately argillaceous, highly calcareous; some brownish black to grayish black, dolomitic, shaly, limestone; some grayish black, highly calcareous shale in the upper part
7115	712 7	13	Limestone, brownish gray to dark gray and brownish black, shaly with some calcareous shale, dolomitic; dolomite, brownish black to grayish black, argillaceous with some shale, highly calcareous
51 2 7	7150	23	Limestone, brownish black mottled with light gray to brown- ish gray, highly colitic, somewhat dolomitic, moderately to highly dolomitic in the lower part, silty, with some very fine sand in the upper part, somewhat to moderately argillaceous very shard cherty in the middle part; some light brown- ish gray to medium gray dolomite in the lower part
7150	7157	7	Dolomite, light brownish gray, finely crystalline; moderate amount of brownish black, dolomitic limestone, somewhat argillaceous, silty
7157	7165	8	Dolomite, brownish gray to brownish black, mostly finely crystalline, some medium crystalline, calcareous
7165	7175	10	Dolomite (highly calcareous) to limestone (dolomitic, shaly) brownish black to grayish black, some brownish gray to medium dark gray, finely crystalline, very silty to sandy (very fine grained) in the lower part
71 7 5	7205	30	Limestone, brownish gray to brownish black mottled with light brownish gray to medium gray, highly colitic?, highly fossiliferous (ostracods), dolomitic, sandy to a light gray and light brownish gray, calcareous, dolomitic sandstone
7205	7215	10	Dolomite, brownish black to grayish black, calcareous, silty to a highly dolomitic siltstone to sandstone (very fine grained) that is medium dark to dark gray; some brownish gray to brownish black, dolomitic limestone
			KEEFER SANDSTONE, 43 Feet.
7215	7258	43	Sandstone, very light gray to medium gray, very fine grained silty to a very fine sandstone and coarse siltstone in the lower part, somewhat calcareous, calcareous at the top, slightly calcareous at the bottom, highly dolomitic; small amount of dark gray, silty shale in the lower part

ROSE HILL, 414.6 Feet.

			1000 1110 1110
7258	7289	31	Shale, medium dark gray to dark gray; a moderate to large amount of medium gray to medium dark gray and olive gray, dolomitic siltstone
7289	7 35 5	6 6	Shale, grayish brown to dusky brown and brownish gray; some medium dark gray to olive gray and dark gray, dolomitic, somewhat calcareous siltstone to shale; small amount of medium gray dolomite to sandstone (dolomitic); a large amount of medium dark gray to dark gray and greenish gray shale at the top
7 35 5	7425	70	Shale, brownish gray to dusky brown and brownish gray, some dusky brown to olive black; small amount of medium dark gray, dolomitic siltstone in the upper part
7425	7434	9	Shale, medium dark gray to clive gray and dark greenish gray; a large amount of brownish gray to grayish browning small amount of medium dark gray to greenish gray, dolomitic silt-stone
7434	7465	31	Shale, medium dark gray to dark greenish gray with some greenish gray to medium gray dolomitic nadules; a very small amount of medium gray to greenish gray, siltstone
746 5	7490	25	Shale, medium dark gray to dark greenish gray, some medium medium dark gray to brownish gray and dusky brown; small amount of dolomitic siltstone to dolomite
7490	7502	12	Shale, medium dark gray to dark greenish gray with some olive gray to medium gray, dolomitic siltstone to dolomite, smallx amount is recepish; some brownish gray to dusky brown shale
7502	7518	16	Shale and siltstone, dark greenish gray to medium dark gray, delomitic to a medium to medium dark gray and dark greenish gray shaly and silty delomite in the lower part; shale, brownish gray to grayish brown, dusky brown, some in the upper part and a moderate amount in the lower part; trace of grayish red to dusky red, ferruginous delomite in the lower part
7518	7535	17	Shale, brownish gray to dusky brown, some medium dark gray to dark greenish gray and olive gray; some medium gray, coarse grained dolomite with greenish gray (shal y) streak and small amount of highly ferruginous material
7535	7555	ſ	Shale, brownish gray to dusky brown, small amount of dark greenish gray; small amount of medium gray, medium crystalline dolomite with greenish gray (shale) and grayish red ferruginous streak 5

Top	Bottom	Thickness	sh 8mg
7555	7585	30	Shale, medium dark gray to brown and dusky brown, mome dark green gray to clive gray; some clive gray to green green gray, dolomitic siltstone with some medium gray, coarse crystalline Dolomite.
7585-	7605	20	Siltstone, medium dark gray to dark green gray and olive gray, somewhat dolomitic in the upper part to dolomitic in the lower part; brown gray to dusky brown Shale; small amount of dolomite.
7605	7625	20	Siltstone and moderate amount of shale, medium dark gray to green gray and olive gray, dolomitic with some light to medium gray, coarse crystalline dolomite; some of the dolomite contains streak of shaly hematite, some brown gray to dusky brown shale.
7625	7640	15	Dolomite, medium to dark gray with some light gray, medium to coarse/crystalline, small amount of the dolomite contains /streak of shaly hematite; some dark green gray to medium dark gray and some brown gray to dusky brown shale and siltstone.
7640	7650	10	Shale, dark green gray to medium dark gray, some olive black, small amount of brown gray to dusky brown; a moderate amount of medium to dark gray, medium to coarse crystalline dolomite with a small amount of shaly hematite.
76 50	7665	15	Some siltstone to sandstone (very fine grain), light to dark gray, some gray black quarts; shale and some siltstone, medium dark gray to clive gray and dark green gray, some brown; gray to dusky brown; small amount of medium to dark gray delemite with streak of shaly hematite.
7665	76 67	02	No sample.
7667	7672.6	5.6	Shale and siltstone, medium dark gray to greenish gray. (Cored from 7667 to 7860; see core description
			TUSCORORA PORMATION, 138,6 FEET
7672.6	7811.2		
			JUNIATA FORMATION, 619 Feet
7860	7910	50	Shale, grayish brown, silty; small amount of medium dark to dark gray and dark greenish gray shale and siltstone.

ي ند			W00-351
7910	8070	160	· · · · ·
807 0	8097	7 17	Shale to siltstone, grayish brown, slightly calcareous, sandy (veryfine grained) in part; some shaly siltstone to sandstone (very fine), medium gray to greenish gray mottled with dark gray to grayish black, small amount of grayish brown mottled with dark gray
	8150		Siltstone to sandstone (very fine grained), mottled light gray to greenish gray with grayish black, some light gray to grayish brown, some grayish brown mottled with grayish black, somewhat calcareous, slightly dolomitic, argillaceous; small to moderate amount of shale to siltatone, grayish brown and some medium dark gray to dark greenish gray, a moderate amount
8150	8170	20	Shale, brownish gray to dusky brown, some brownish black, medium dark gray to dark greenish gray (glauconite in part); trace of medium gray to coarsely crystalline dolomite (these samples appear to be caved material from Rose Will)
8 170	8220	50	Shale to siltstone, grayish brown, sandy (very fine), in part; a large amount of medium and brownish gray to grayish black siltstone to very fine sandstone at 8200-05, some of this sandstone is present in many of the other samples
8220	8270	50	Shale to siltstone, grayish brown, sandy (very fine) in part
82 70	8330	6 0	Shale to siltstone, grayish brown with a very large amount and often most of the sample is shale, brownish gray to dusky brown, medium dark gray to dark greenish gray and a very small amount of medium to dark gray, coarsely crystalling dolomite and some siltstone of various colors (most of the samples appear to be caved material)
8330	83 70	40	Shale, grayish brown; moderate amount of medium gray to brownish gray and greenish gray, calcareous siltstone at the bottom and some in the middle and upper paxel part
8370	8385	15	Siltstone, greenish gray to medium dark gray, shaly, some- what calcareous, dolomitic; some greenish brown shale; some caved material
838 5	8430	45	Shale, grayish brown; a moderate to large amount of medium dark to dark gray shale in the upper part and some in the lower part
			MARTINSBURG FORMATION Feet.
8430	8470	40	Shale, dark gray, calcareous with some fossiliferous lime- stone fragments; some medium dark gray, calcareous siltstone at 8430 - 76
8470	8535	65	Shale, dark gray, calcareous with some fossiliferous lime- stone fragments and some highly calcareous, siltstone (a very large amount of caved material)
853 5	925 5	720	Shale and siltstone, medium dark to dark gray, calcareous, mottled with light to medium gray, very highly fossiliferous limestone (almost a cogquina in some parts) fragments
9255	9415	160	Shale, dark gray, calcareous, highly fossiliferous with mottled light and dark gray fossiliferous Limestone fragments (braciopoda and bryozoa)
9415	966 5	25 0	See core description