

All cores

Elevations are
Tops.

SE NE 22 15 13W

152 - 2' 1/2

S 1/2 SW 1/4 31 15 13W

195 - 3'

400' N + 400' E

146 - 4'

SE SE 31 15 13W

200 - 4'

SW SE 3 - 15 - 13W

199 - 2'

N 1/2 SW NE 31 - 15 - 13W

126 - 2'

NW NE 31 15 13W

127 - 3' ✓

132 - 3'

200' N + 100' E

126 - 1'

SAMP N - 370 E

155 - 1'

Books checked

- T 25, R 14W, Sec 12, 3, 9, 11, 12
- T 15, R 13W, Sec. 25, 31, 34
- T 25 R 13W Sec 20
- T 35 R 14W Sec 2, 4, 5
- T 25 R 13W Sec 32
- T 25 R 14W Sec 28, 29
- T 25 R 14W Sec 27
- T 25 R 13W Sec 7
- T 25 R 14W Sec 13
- T 25 R 13W Sec 5, 6, 7, 10.
- T 25 R 14W Sec 12
- T 25 R 13W Sec 27, 28, 29, 30
- T 25 R 14W Sec 31, 32, 34, 35
- T 35 R 14W Sec
- T 15 R 14W Sec 26, 35
- T 15 R 14W Sec 34
- T 15 R 14W Sec 35
- T 15 R 14W Sec 23, 24
- T 25 R 14W Sec 4, 9, 11, 12
- T 25 R 14W Sec 2, 3

SWSE / 25 14W
208 - 4'6"

11 - 25 - 14W

112 - 2'

123 5'6"

12 - 25 - 14W

240 - 3'

NWSW 32 - 25 - 13W
495 - 1'9"

— 465 2'6"

SE NE 4 35 14W

456 - 4'6"

NWSW 4 35 14W

487 1'3"

NWNW 4 407 2'4"

WINDY

12 or 13 - 25 - 14W

49 - 2.9

E 1/2 NWSE 22 - 25 - 14W

291 - 1'6"

TNS

21300

Sec

32, 33

TNS

21300

Sec

20, 21, 22

29 - 25 - 14W

286 - 3' Darton

29 - 25 - 14W Int Paper

376 - 5'

NENE Sec 29 T2S R14W

216 - 2'

SE NE 29 - 25 - 14W

257 - 2'

306 - 2' 3"

583 - 3' 6"

299 - 6'

310 - 2'

} one well

288 - 5'

296 - 3'

25 - 14W NE - SE Sec 25

800' N & 45' E ↗

272 - 3'

NW SW 29 T2S 14W

134 - 2'

83 - 3'

5 1/2 SW 6 2S 13W
170 - 3'
191 1'6"
165 2'

SW SE 6 2S 13W
200 - 10'

7 2S 13W
180 - 3'

SW SW 7 2S 13W
253 - 2'9"

29 2S 13W
440 1'7"
425 3'

5 1/2 SW 30 2S 13W
305 1'6"

1 - 3S - 14W
571 - 12"

SE NE 32 2S 14W
375 - 3'6"

34 15 14W
110 - 2'

34 15 14W
95 - 1'

34 15 14W
65 2'6"

35 15 14W
~~68~~ - 3'

NW SE 35 15 R 14W
130 - 3' } same well
140 - 1'6"

133 - 2'

130 - 1'

130 - 4' } same well
142 - 1'

132 - 6'

131 - 2' }
139 - 1'

121 - 4' }
133 - 3'

120 - 2' }
130 - 3'

SW-SE 35 15 14W
113 - 2'6"

113 - 2'6"

111 - 1'

130 - 10"

35 15 14W

80 - 1'

105 - 2'

2 25 14W

6 - 1'

16 - 9"

17 - 3'

18 - 25 - 13W

214 - 1'6"

SW NE 21, 25 13W

540 - 2'6"

SE NW, 21 25 13W

496 - 1'

32 25 13W

448 - 1'

SE $\frac{1}{4}$ SE $\frac{1}{4}$ 6 9N 26W
atopw 6"

NE $\frac{1}{4}$ 36 10N 27W
atopw 7"

SE $\frac{1}{4}$ 34 10N 27W
atopw (7)

SW $\frac{1}{4}$ 10 10N 27W
atopw (7)

SE $\frac{1}{4}$ NW $\frac{1}{4}$ 8 10N 27W
atopw 10"

SW $\frac{1}{4}$ 3 10N 27W
atopw 10"

Paris 1000

Top of Chs 1945

Coal 2310

Base of Mass SS 2700

Partially same
as P-SS

Base of tower 3285

top of above Marshall SS

775 at Paris

10 mi NE Oyst. ✓

Johnson - Philpott

18"

avg thick - 18"

3 mi SW Coal Hill

~~SW 1/4 sec 30 T9N 25W~~ ✓

Johnson Coal Hill

3'7"

1 mi south coal hill

NW 1/4 sec 29 T9N 25W ✓

3'8"

1/2 mi SW coal hill ✓

Johnson - coal hill ✓

3'4"

1/4 mi north Spadra depot.

Johnson - Spadra

2'6"

7 mi so of Clarksville

Francis Col

Johnson

3'6"

5 mi west of Clarksville

Johnson Spadra.

Ruby glass

3'6"

1 mi east also

Johnson Denning Soap base.

3'8"

1/2 mi N Hartman
Johnson Spadra
22"

3 mi SW Coal Hill
Johnson Coal Hill King
4'

1 1/2 mi S Coal Hill H.C. Stripping
Johnson Coal Hill
36"

1 1/2 SW Coal Hill
Johnson Coal Hill 12'-20' observed
4' 4"-6" parting in fall.
~~N 1/2~~ N 1/2 N 1/4 of 29+30 9N 25W

2 mi SW Coal Hill Stripping
3' 4"

1 mi South Coal Hill Strip
2' 6"

2-3 mi north Hartman
Johnson Spadra Strip
15'-24"
NE 1/4 Sec 1 9N 25W

4 mi NE of Hartman Strip
Johnson - Spadra
18'

8 mi west of Clarksville. Strip
3'

7 mi west of Clarksville Strip
2' 10"

- 10 mi NE of Ozark 18" strip
- 9 mi NE of Hunt 16" strip
- 10 mi NE Ozark 18" strip
- 1 1/2 mi east of Hunt 18" strip
- 1/2 E Hunt 20" strip
Johnson - Philpott.
- 11 NE of Ozark. 78" or 18" strip
- 8 W Clarksville 3' strip
- 5 NE Hunt Johnson - Philpott 18"
- 1 1/2 - 4 1/2 E Hunt Philpott 18"
- 1/2 S Hunt Philpott 18"
- 4 1/2 NE Hunt Philpott 18"

1/2 S Hunt
Philpott
20"

1/2 S Hunt
Philpott
20"

3 NE Hunt
Philpott
18"

4 1/2 NE Hunt
Philpott
18"

near Hunt 9 NE Ozark
Philpott
20" - 36"

11 NE Ozark
Philpott
18"

8 NE Ozark
Philpott
18"

4 NE Hunt
Philpott
18"

1/2 NE Hunt
Philpott
20"

8 NE Ozark
Philpott
18"

Ozark
10 NE Philpott
Philpott
10"

3 SE Hunt
Philpott
20"

10 NE Ozark
18"

12 NE Ozark
Philpott
18"

13 1/2 NE Ozark
SE 1/4 Sec 12 T8N 25W
Philpott
18"

7 NE Ozark
Philpott
18"

10 NE Ozark
Philpott
18"

3 1/2 SE Hunt
Philpott
20"

3 NE Hunt
18"
Philpott

Cor N $\frac{1}{2}$ N $\frac{1}{2}$ NESE SEC 20 9N 25W ✓
Coal Hill
3'6" Shaft 60'

E $\frac{1}{2}$ NENE SEC 24 9N 25W ✓
 $\frac{1}{2}$ E Hartman
3'4" 2" parting near base.
Shaft 296'

12 NE 02016
Philpott
18"

NE $\frac{1}{4}$ NE $\frac{1}{4}$ SEC 3 9N 24W ✓
Coal Hill
36" Shaft 68'

SE SE SEC 20 9N 25W
1 Coal Hill Shaft 60' ✓
4'6" (4' w/ 4-2" mb)

E $\frac{1}{2}$ NENE SEC 24 9N 25W ✓
Hartman
3'2" Shaft 300'

1 E Hartman
3'4" to 3'6" Shaft 285' ✓
Spadra.

5 SW Clar Penille
Spadra.
3'

SE-NE SE/SE SEC 20 10N 25W
Coal Hill - Core hole
38'5"
2' 10" coal.
9" parting

Corner of N & NE Sec 14 79N R 24W.
8 W Clarksville. Blue clay mine.
3'6" Shaft 320'

SWSWSE Sec 30 9N 25W ✓
2 1/2 S Coal Hill Shaft 70'
4' 2" - 4" NB

NW 1/4 SE 1/2 Sec 19 9N 25W ✓
3'5" 4" parting - Shaft 160'

SESWSE Sec 30 9N 25W ✓
2 1/2 SE Coal Hill. Shaft 70'
4'

SE NWSW Sec 30 9N 25W ✓
1 3/4 - 8' coal Shaft 45'
3'8"

N 1/2 NE NW Sec 31 9N 25W ✓
3'8" 4" NB. Shaft 60'

cen SESE Sec 20 9N 25W ✓
Coal Hill 9'6"
2'6" coal.

SE NESW NW Sec 19 9N 25W ✓
Coal Hill 14'3" ✓
1'9" coal
19'4" coal + shale.

3 1/2 NW SW Sec 20 9N 25W ✓
Coal hole 31'6" ✓
1'6" coal
3' 1/2
2'0" coal.

SE SW Sec 20 9N 25W

Coal hole 7'3" ✓
3'9" coal
4" parting

Can whips NW SE SE Sec 20 9N 25W

Coal hole 150'
3'9" coal ✓
11" parting

Can SW NE SE Sec 20 9N 25W

44' 0" ✓
3' 11" coal Coal Hole ✓
1" parting

AToken? (?) NW 1/4 Sec 14 10N 25W

20" Shaft 22'

Token? (?) SE 1/4 Sec 17 10N 25W

18" Shaft 18'

(?) E of center SW 7 10N 24W

15" Shaft 27'

(?) E of cen Sec 18 10N 25W

10 NE Ozark. Shaft 27'
22"

AToken? (?) NW 26 10N 26W

18" Shaft 22' ✓

SE 1/4 Sec 16 10N 25W

18" Shaft 22' ✓

show

7 SESE Section 11 ON 25W ✓
18" 5 27'

Cent NB ~~(152) 33~~ ✓ 10N 25W ✓
18" Sh 32'

2
J SE 1/4 ~~(152) 24~~ ✓ 10N 26W ✓
18" 5 26'

Cent N 65 W N E 26 9 N 25 W ✓
4' 4" - 12" in bore. 5 60'

SW 1/4 30 9 N 25 W ✓ shaft 28'
two 2' slams 3' 6" to 4' with ply

2 1/2 Squal Hill
4' 4" nb. 5 72'

3/4 Squal Hill
5' 2" 5 65'

20 10N 25W ✓
18" shaft 25'

15 10N 24W ✓
18" 5 27'

12 NE Oak 5 24'
18" Philpatt

12 NE Oak 5 24'
Philpatt 18"

ATOKA 2.
Ch

7 NE Oak 530' 1/2 S Hunt 335'
Philpott 20" 20" Philpott

10 NE Oak 525' 1/2 ~~NE~~ Charleston
Philpott 18" 12" sup.

10 NE Oak 520' 1 N Charleston
18" Philpott 14"-16"

10 NE Oak 521' 4 NE Charleston
18" Philpott

10 NE Oak 525' ~~20" Philpott~~ 6 N Charleston ✓
18" Philpott

1/2 E Hunt 529' ^{15" sup} 7 NE Charleston
18" Philpott 14"

2 W Hunt 528' 1 1/2 NW Branch
18" Philpott 16"

1/4 E Hunt 528' ~~1 1/2 W of Denning~~
20" Philpott 20"

1/2 S Hunt 530' 3/4 - 1 E Alip
20" Philpott 4' to 4' 3"

1/2 S Hunt 527' 3 E Charleston
18" Philpott 14"

3/4 E Hunt 526' 1 sup alip
18" Philpott 3 1/8"

7 Cen E line NW SESE 20 9N 25 W

Core hole 7' 0"
6" coal.

> Cen SWNWNE 29 9N 25 W ✓

Core hole 18' no coal

> Cen E NWNW 28 9N 25 W

Core hole 17' no coal ✓

1/4 S Coal hill 590' ✓
4' 6" Coal hill

1/2 EAST ALIX ✓
20-22"

3/4 E alix
4'

+ S Spark
20"

2 1/2 SE Charleston
17-16"

1/2 EAST alix ✓
4' 2"

1 1/2 W Denning
2-2"

1 1/2 SE Denning
4'

1 W Denning
4'

~~1 1/2 W Denning
3' 6"~~

1 1/2 SE Denning
4'

~~2 1/2 W Denning
4'~~

2 1/2 W Denning
4'

~~2 W Denning
4'~~

2 1/2 W Denning
2'

→ N 1/2 NENW 31 9N 25 W
4'

NE SE SE SE SE 23 9N 26 W
Coal 2'8" ✓
Sha 1'2" ✓ Chs
Coal 2'7" Shaft 160'

✓ 1 E Hackett
2'2" ✓

Alma
→ 4 S Alma
1'8"

~~SW SW SW 23 9N 26 W~~

SW NW SW 22 9N 26 W
4' ✓ Chs
S 165'

✓ 4 W Greenwood
2'6"

✓ 2 SE Hartford
4'

SW SE NW SE 22 9N 26 W
4' Chs ✓ S 45'

→ 2 W Huntington
4'

N 1/2 SE SE SW 20 9N 26 W
4'

→ ~~4 SE Midland~~
7'

SW NE SW 25 9N 26 W
3'6"

→ ✓ 5 SE Hartford
4'

W 1/2 NW SW 7 9N 26 W
20" ✓ S 50'

→ ~~5 E Hartford~~
4'

E 1/2 SE NE 8 9N 26 W
18" ✓ S 45'

→ 2 1/2 W Huntington
6'

SW NW SW 22 9N 26 W
4' (2V8" in line)

→ SW NW SW 22 9N 26 W
4' (w/ 1/2" mid 187g)
Antiherne
Shaft 56'

W 1/2 NW 1/2 28 9N 26 W
3'6" ✓ S 65'

SW NE SW 26 9N 26 W
3'6" (2" in line) S 66'

Cent SWSE 20 9N 26W
3' 8" 550'

3/4 E alip
4' Denning

N 1/2 S E S E 20 9N 26W
4'

2 1/2 W Denning
4' 558'

SW SW 20 9N 26W
4' 3" 556'

1 W Denning
22' Shaft 88"

SE NW 17 9N 26W
20" 550'

ATOKA
2 5 1/2 NW 1/4 35 10N 26W
8" Phelps

SW SW 21 9N 26W
26" 550'

2 W alip
2' 2"
2 1/2 W Denning
4' S 20'

NE NW SW 17 9N 26W
24" Shaft 76"

5 NE Ozark
16"-22"

Cent SE SW NW 25 24 9N 26W
4' 2" 580'

1/2 E alip
4' 2"

1 E alip
3' 10" (2-6" mb)

1 E alip
3' 10" (2-4" mb)

2 5 1/2 NW 1/4 18 10N 26W
18" Phelps 533'

SW SW 21 9N 26W
4' (2-6" mb)

1 E alip
4' 4" stepping

2 1/2 SE alip
4' S 70'

NE 1/4 22 10N 26W
18"

On SESE 29 9N 26W
33' 0"
0' 6" coal

1 SW strip
3' 8" 550'

E line SESE 29 9N 26W
42' 0"
0' 6" coal

Alaska
①

2 10N 26W
18W

NWNESW 32 9N 26W
117' 5" no coal

2 W strip
2' 4"

On NE NWSW 21 9N 26W
33' 0"
1' 10" coal

3 NWSESE 25 9N 26W
3' 10"

1' 7" slate
1' 0" coal

1/2 E strip
22" 550'

SWSENEW 21 9N 26W

4 NW 1/4 NW 1/4 27 10N 26W
2' 2" chs

24' 10"
6" coal
1' 2" shale
2' coal
1' 2" ss

Alaska
②

NE NW 20 9N 26W
core hole from
winter coal & mining
45' 0"
3' 0" coal

NE NESW 21 9N 26W
13' 3" ch ss
no coal

E 1/2 SENE 29 9N 26W
100'
1' 9" coal
4' ss

NWNESW 21 9N 26W
15' 6"
1' 4" coal
1' 2" shale
20' coal

Con E line NW NESW 21 9N 26W

10'6"

1'9" Coal

15'6" Shale

1'10" Coal

Con NENESW 21 9N 26W

25'8"

1'5" Coal

4'0" Shale

2'2" Coal

Con N line SW NESW 21 9N 26W

48'0"

1'10" Coal ✓

Con NWISE 21 9N 26W

130' ✓

2'2" Coal

4'0" SS

Con Shire NENESE 21 9N 26W

139'10" ✓

3'11" Coal

1'11" SS

Con N¹/₂ N¹/₂ N¹/₂ SWSE 21 9N 26W

124'9" ✓

3'6" Coal

4'9"

Con NENWSW 28 9N 26W

109'0" ✓

19" Coal

5'0" slate

23' Coal.

Cen E line SE NWSW 28 9N 26W
24" coal

Cen SW NWSW 28 9N 26W
67'
2" coal
16" slate
24" coal

Cen SE NESW 28 9N 26W
118' 0"
27" coal
14" slate
24" coal

Cen NE SW SE 28 9N 26W
128' 0"
20" coal
20" slate
23" coal

Cen NE SE SE 28 9N 26W
128' 0"
1' 0" coal
4" slate
7" coal
4" slate
2' 3" coal

Cen NW NE NW 33 9N 26W
100' 0"
1' 2" coal

Cen E 1/2 SW NW NE 33 9N 26W
21' 0" no coal

→ Cen E 1/2 SESENE 229N 26W

97' 0"
7" coal ✓

→ SWSENE 229N 26W

151' 4" 7" coal

→ NENE SW 229N 26W

267' 10"
4' 2" Coal
8" Slato

→ Cen E line SWNE SW 229N 26W

226' 7"
4' 1" Coal ✓
10" S

→ Cen NWSE NWSE 229N 26W

217' 2"
3' 9" Coal ✓
1' 7" S

→ Cen NESE 229N 26W

188' 0"
1' 4" Top seam
no record of bottom seam

→ Cen NWNWSE SE 229N 26W

204'
3' 8" Coal
6' 9" S

ATOKA?

90' S Cen SE SW 22 9W 26W

206' 7 1/2"

3' 11" Coal

1' 2 1/2" S

Cen SE SW SW 22 9N 26W

178'

1' 11" Coal

10 1/2" slate

2' 0" Coal

Cen SE SE SW 22 9N 26W

236'

33" Coal

38" slate

6" Coal

19" gray rock

Cen S 1/2 SW SE SE 22 9N 26W

146'

3' 11" Coal

8' 5" — ?

Cen SW NE NE 27 9N 26W

111' 10" (?)

3' 8" Coal

2' 11" S

Cen NE SE NE NE 27 9N 26W

122' 10"

3' 7" Coal

3' 11" S

Cen NE SW NE NE 27 9N 26W

44' 9"

3' 7" Coal

8' S

cen SE NW SW 27 9N 26W

104'

4'6" coal ✓

cen NESW 27 9N 26W

83'

3'11 1/2" coal ✓

1'5" Band

cen E line NESW 27 9N 26W

91'7"

3'7 1/2" coal ✓

1'1" Band

cen NWSE 27 9N 26W

109'7"

3'7 1/2" coal ✓

2" Band

cen SWNESE 27 9N 26W

106'

4'3" coal ✓

2" slate

cen S line SWSESE

→ 27 9N 26W

133'6"

cen SESE 27 9N 26W

134' no coal

3'6" coal ✓

15'0" S

cen SWSESE 27 9N 26W

123'2"

2'10" coal ✓

12'0" S

cent E line SWSESE 27 9N 26W

122'5"

3'1" coal ✓

12'0" slate

Cor SESESE 27 9N 26W
134' no coal

Cor N¹/₂ N¹/₂ NENNNW 34 9N 26W
99' 0"
1' 8" coal

Cor E line SE NESWNW 34 9N 26W
100' 9"
1' 0" coal

Cor NENESENE 23 9N 26W
230' 6"
1' 11" coal

Cor S line SWNE 23 9N 26W
207'
4' 5" coal
1' 10" S

200' N Cor S line NESE 23 9N 26W
161' 8"
3' 10" coal
10' 5" S

Cor SW SESESE 23 9N 26W
163' 0"
5' 3" coal
1' 2" S

Cor NESESW 23 9N 26W
133'
4' 1" coal
5" slate

2405 Cen NE NW SE SE 23 9N 26W

147' 4" ✓
3' 10" coal
10" S

Cen E line NW SE SE 23 9N 26W

168' 8" ✓
3' 10" coal

Cen SW NE SE SW SW 23 9N 26W

131' 7 1/2" ✓
4' 10" coal
1' 6 1/2" S

Cen NE SE SW SE 23 9N 26W

151' 6" ✓
3' 10" coal
8" S

Cen NE NENW 26 9N 26W

100' ✓
4' 6" coal

Cen NWSW 26 9N 26W

59' ✓
4' 13" coal
1" S

Cen SW SE NWSW 26 9N 26W

112' ✓
4' 5" coal
3' S

Cen SE NWSW SW SW 26 9N 26W

154' ✓
19" coal
1' S

Cen NWCSE/SWSW 26 9N 26W
152' no coal

Cen SE SW SW 26 9N 26W
153' no coal

Cen NENWNE NE 35 9N 26W
212' 4"
1' 4" coal
1' 7" slate?
1' 5" coal

Cen SE NENUNW 35 9N 26W
119' 0" no coal

Cen SENWNE NE 35 9N 26W
216' 0"
1' 6" coal & slate
2' 4" slate
1' 6" coal & slate

Cen NE NESW 35 9N 26W
210'
11" coal
18" shale & coal

Cen SENESW 35 9N 26W
315'
1' 3" coal

Cen SE SW NESE 35 9N 26W
286'
1' 3" slate & coal
48" slate
21" coal

Cen NE NWSW 24 9N 26W

111' ✓
3' 10" coal
35" S

Cen NE NWSW 24 9N 26W

116' ✓
3' 6" coal
3' 1" S

SW NWSW 24 9N 26W

113' 4" ✓
3' 10" coal
10" SS

SEC NW/NE SW 24 9N 26W

118' 8" ✓
3' 8" coal
14" S

NEC NWSW 24 9N 26W

66' ✓
3' 0" coal
60" S

Cen SE SW 24 9N 26W

48' 2" ✓
60" S

SEC NE NE 26 9N 26W

57' 9" ✓
3' 10" coal
5" slate

SEC NW NW 25 9N 26W

16' ✓
2' coal

SEC NWNE SW 25 9 N 26 W

33' 6"

3' 7" coal

3' slate

Center S. line NENE SW 25 9 N 26 W

27' 6"

2' 11" coal

7" slate

Center S line SW SW SW 25 9 N 26 W

208' 7"

3' 2" coal

5" slate

Center line SE NW 36 9 N 26 W

159

3' 9 1/2" coal

7" slate

NEC SE 1/4 SE 1/4 32 10 N 26 W
18" ± (interrog)

SWC 8 10 N 25 W
19" (interrog)

NE NW 15 10 N 25 W

Silt clay 6'

coal 6'

Clay 2'

SS 13'

Black slate 70'

Coal 18"

fire clay 6"

Cent N line NW NE NW 15 70N 25W

Soil 7'

sand 6'

Black slate 20'6"

Coal 18"

fire clay 2'
SS -

NWC NE 15 10N 25W

Soil 9'

Black slate 14'6"

Coal 15"

fire clay 15"

SW SE 10 10N 25W

Soil 9'

Blue slate 2'

Black slate 30'

hard coal 15"

fire clay -

Coal for 10, 11, 15, ranges from
12" to 19"

For the location of these see
Welch's map

~~NEC SW/SE 5 8N 24W~~

~~715'~~

~~Coal 63"~~

~~Parting 1"~~

~~Vein 04"~~

~~NEC NW/NW 28 8N 24W~~

~~167'~~

~~Coal 34"~~

~~SWC SW/SE 21 8N 24W~~

~~86'~~

~~36" Coal.~~

~~SWC SE/SE 21 8N 24W~~

~~42'~~

~~36" coal~~

~~Cen NE/SW 22 8N 24W~~

~~80'~~

~~40" Coal~~

~~Cen SENE 22 8N 24W~~

~~340'~~

~~16"~~

~~SEC NW/ 22 8N 24W~~

~~435'~~

~~44" Coal.~~

See Welsh's map for location of these.

NW SE 23 8N 24W

54'
38" coal

Cent NENE 23 8N 24W

278'
36" coal

Cent Thine SWNW 2 8N 24W

854'
42"

SWC SE NW NW 12 8N 24W

139'
14" coal
3' shale
20" coal

Cent SWNESW 31 9N 23W

518'
19' coal
4 1/2" shale
23 1/2" coal

3/4 mi N SW corner 29 9N 23W

280'
40" coal

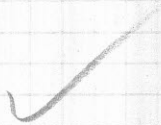
NW NE SW SW 28 9N 23W

487'
46" coal

Fig 117 well log book of Crawford
County.

625' N 355' N SEC SW 1/4 S 1/4 29 9 N 30 W

- 40 slate
- 48 water sand
- 280 slate
- 284 coal
- 330 slate
- 345 sand hard water
- 380 } slate
- 690 }
- 724 sand shell
- 775 black slate
- 780 shell black part
- 870 sand gray hard.



Log 98 well log book of Crawford
County

330ft N 660ft W SEC SE 1/4 SW 1/4 8 9 N 30 W

- 20 Soil
- 100 Shale & sand
- 120 Shale
- 125 Coal
- 350 Shale



Log 95 of log book of Crawford Co.
660' W 660' S of NE, NW SW 8 9 N 30 W

- 28 Soil
- 280 black soft shale
- 320 Shells & hard shale
- 668 soft shale
- 670 Coal
- 676 soft shale
- 705 sand gas
- 730 shale



log 76 of well log book of Crawford Co.

792' N 2416' E SW cor SW 1/4 59N 30W

24 Surface
400 Shale
428 Lime Shells
494 Shale
500 Coal
588 Sand
592 coal
625 Shale
678 Sand
980 Shale
1003 Sand

log 8 of log book of Johnson Co.

SW 1/4 SW 1/4 25 10N 23W

5 Soil
10 Blue gravel
12 Black lime
14 Blue gravel
24 lime flake
38 white sand
40 coal black
155 Sand gray
320 Slate

Log 7 of logbook of Johnson Co.

Cent SW $\frac{1}{4}$ SE $\frac{1}{4}$ 21 9N 25W

- 18 Clay red
25 sand hard
43 Sandy lime
60 graphite
75 water sand
205 Slate
230 Lime hard sharp
300 slate
400 slate & shale
460 Shale & lime shells
475 lime hard
480 shale black
495 lime sandy
550 blue shale
650 Shale dark
730 shale gray
785 lime hard black
795 black lime
900 sand
925 shale
995 black lime
1120 Black shale
1125 shell lime
1135 sand
1140 Coal
1153 gray lime hard & sharp ~

by 4 of log book of Johnson Co.
City of Clarksville near College St.

Sec 32 10 N 23 W

- 18 clay soil
- 60 shale
- 160 shale - gas
- 174 shale - 4" coal
- 238 shale - gas
- 265 shale
- 274 soft gray rock
- 306 soft sand rock
- 343 shale black
- 358 hard rock
- 361 shale
- 367 hard rock
- 369 coal
- 371 hard rock
- 376 black shale
- 383 blue shale
- 395 rock - coal croppings
- 403 blue shale
- 405 hard rock
- 416 blue shale
- 431 hard brown, blue slate,
- 463 hard black shale
- 464 grey rock
- 469 slate
- 485 grey rock
- 492 granite
- 546 gray rock
- 582 soft sand rock
- 587 coal
- 591 slate
- 593 coal
- 616 hard sandstone

Paris

Log #54 of log book of Franklin Co.

660' N 1000' E SW SW NW 1/4 N 27W

3 soils

- 217 Sand
- 302 Shaly
- 340 Sand
- 467 Shale - Show coal @ 205

← → ATOKA

~~ATOKA~~
Atoka

Log 43 of log book of Franklin Co.

660' NW of Cent. 34 NW 26W

- 30 Shale
- 65 Sand
- 94 Sand - broken
- 108 Shale
- 145 Sand Hard
- 178 Shale
- 195 Sand
- 300 Shale & shells
- 467 Hartshorn sand at 450

↖ ↗

Log #38 of log bog of Franklyn Co

150's 330'w Cent 8 9N 26W

- 8 soil
60 sand
220 slate
250 limy sand
300 " "
430 sand
450 slate
470 sand and slate
570 slate
590 sand
595 coal
620 slate
700 sand - lime + slate
720 sand and lime

Log 160 of the log of Sebastian Co.

1992' N & W of Sec. 11 7N 32W

- 6 soil
109 shale
113 coal
145 shale
175 broken sand

Log 158 of log book of Sebastian Co.

651' W 10' N / SE 3 7N 32W

- 2 soil
- 20 clay
- 64 shale
- 79 broken sand
- 83 coal
- 100 sand
- 104 shale
- 129 broken sand.

↓ to 2586'

Log 153 of log book of Sebastian Co.

Cent. N 1/2 NWSW 36 5N 31W

- 8 yellow Clay
- 14 Dark slate
- 40 " shale
- 60 Sandy slate
- 68 ~~Black~~ shale
- 75 Sandy slate
- 104 Hard slate
- 110 Hard sand
- 118 Brown shale
- 120 Coal
- 236 Brown shale
- 241 coal + slate
- 256 " x "
- 340 Shale
- 367 Lime + sand
- 397 Brown shale
- 428 slate
- 475 Brown shale - 500 sand little gas.

Not clear

Log # 136 from log book of Sebastian Co.

N5C NW 1/4 36 8N 32W

- 6 Soil
- 30 Shale
- 31 Coal
- 40 hard rock
- 500 Shale

Log # 114 from log of Sebastian Co.

N5C NW 5E ~~25 8N 32W~~ 25 8N 32W

- 5 Soil
- 20 Shale
- 30 Sand light
- 50 Shale soft
- 53 coal
- 53 shale
- 183 sand.

Log # 92 from log of Sebastian County

NWC SW 1/4 (30) 8N 31W

- 7 Soil
- 85 Shale
- 88 Coal

Log 91 of Sebastian Co.

- SEC SW SW 36 8N 31W
- 20 soil
 - 70 Shale black
 - 73 coal

Log 90 of Sebastian County
NEC NW SW 30 8N 31W

10 Soil
70 Shale
73 Coal

Log #2 of Sebastian Co.
7 7N 73aw Cent

20 Soil
124 Slate
156 Sandrock
165 Slate
170 Gray shale
206 Sand rock
262 8 inches slate
264 Bone coal
292 Gray shale
464 Slate
469 Shale
690 Slate
694 Bone coal
698 good coal

Log # 17 of Sebastian Co.
21 4N 32W Cent 51m of SW NE

20 soil
285 shale
335 light lime
770 light shale
775 soft coal
892 Hard light shells
902 Coal
930 Hard dark shaly
985 Hard dark sand

32 EN 28 W
 Charleston water-well,
 0 Clay
 4 Shale
 8 Hard blue rock (L.S.?)
 10.5 Shale
 86 Coal
 105.5 Slate
 110 total.

Charleston

17. 9N 23W 2 mi S Clarksville
 C - 1' 7"
 0' 2"
 C 1' 7" S 240'

SW 14-9-32 Cent 23 79N E 24 W
 1' 4" coal
 0' 6" parting
 1' 10" parting coal
 1' 5" coal
 0' 2" ptg
 1' 10" coal.

22-7-29 21-7-20
 0' 8" coal
 0' 6" ptg
 1' 10" coal.
 0' 9" coal
 0' 2" ptg
 2' 0" coal.

NE NW 21-3-32 20-7-29
 2' 0" coal
 3" ptg
 2' 0" coal
 2' 0" ptg
 2' 0" coal
 3' 6" shale
 4' 0" coal
 18" (Charleston)

5-6-32
 15 Banaya
 2' 5" coal
 2" ptg
 1' 2" coal
 2' 2" coal
 0' 2" ptg
 1' 4" coal.

20 - 5 - 31
near Burma Station
✓ 4" Bong coal
✓ 26" Coal

30 - 8 - 31
✓ 1' 6" C.
2" Pty
8" C

12 - 6 - 31
✓ 3' 0" Coal
6" Pty
3' 0" Coal.

✓ 12 - 5 - 31
3' 4" Coal.

1 - 4 - 32
✓ 2" Bong coal
11" Bong coal & Shale
1' Coal
3' 2" Bong coal sulphure shale
1' 8" Coal

10 - 4 - 32
3' 2" 4' 1" 3' 11" Coal
8" 7" 7" Pty shale
7" 8" 12" Coal

33 - 8 - 31
✓ 2' 6" coal
2" Bone
1' 6" Coal
2' 4" Bone coal slate
1' 4" Coal

Second Report of a Geological
 Reconnaissance of the Middle
 and southern counties of Arkansas
 DAVID DALE OWEN 1860

coal near termination of Petite
 Jean Range on east back branch
 of Shuteau Creek near the
 Gravelly branch

29-15-18

12-15" thick:

Dip 16° N 70° W

35-6-21 Lewis Moulders House

Volatile matter	28.5	{	water	11.5
			gas	17.5
Coke	71.5	{	Fixed carbon	46.5
			Ash	5.0

V M	11.14	{	water	3.0
			gas	8.4
Coke	88.6	{	fixed Carbon	78.6
			ash	10.0

32-6-21

18-22"

Volatile matter	14.40	{	water	3.0
			Gas	11.4

Coke	80.4	{	fixed Carbon	80.4
			ash	5.2

Page 80

32-6-21

1' 10" coal,

Page 88

35-2-29 west largest
 body of limestone in this
 part of state

First report of a Geological
Reconnaissance of the Northern
Counties of Arkansas. 1858 Ark East Ser.
David Dale Owen.

Page 69

7-8-5-70 coal 10-12"
occurs 60' up ridge known as
Coal Hills at the head of
Cypress Bayou. In waste and
the adjacent Conway Co.

Page 120

16-14-32 coal 6-8" 3/4 mi
from Booneboro.

Page 129

where Spadra creek joins Ark-R.

1.9 m
3' parting
1' coal

V M 8.4 moisture 0.5
gases 7.9

coke Fixed Carbon 85.6
ashes 6.0

Annual Report of the Geological
Survey of Arkansas. 1888 Vol IV
John C. Brunner

County Mineral Report 1 Folk County
Page 37 Compiled G.W. Brunner
NW NW 33-1-32 2-3" in Stensky
shale. 4" in SW 4-15-3W in
Jackfork. (Rich mtns)

21-6-32 40"

14-4-32
44"

23-6-31 32"

18-4-31

17-6-31 40"

12-6-31 36" - 6" - 36"

12" coal

15" Coal & Ply

29" Coal

33" coal & Ply

24" Coal

6-6-30 63"

22-7-30 34"

14-7-30 26"

14-7-30 33" minus 9" - leave 24"

21-6-31 24 to 30"

19-5-31 42"

19-3-32

36" Coal

31" Ply

31" Coal

19-5-31 36"

20-5-31 36"

21-5-31 42"

21-3-32

26" Coal

6" Ply

24" Coal

29" Ply

48" Coal

26-5-31 48" Coal

19" Bone & Coal

24" Coal

1-4-32

48" Coal

10" Ply

48" Coal

16-3-32

41"

1-3-31
14" Ply & Coal

34-8-29

20"

16-9-31
24"

Quito Basin
aug 24"

NW 34-9-26
24"

24-10-26
21" coal
3" ptg
2" coal

22-9-24
56" with 2" ptg
61" with 4" ptg

10-10-23
15"

23-9-24
24" coal
10" ptg
34" coal

20-10-22
14"

Between
2 cchs
of
cchs

24-9-24
22" coal
3" ptg
36" coal

1-7-29
18"
29-7-29
18"
17-7-28
30"

24-9-23
27" coal
6" ptg
30" coal

Charleston

19-7-27
29"
22-10-26
23"

17-9-23
32" with 2" ptg

20-10-25
20"
15-7-30
18"

7-9-22
26" coal
6" ptg
12" coal

3-7-27
14"
1-7-31
20"

SE SE 7-8-24
26"

13-9-31
13

SW NE 20-8-24
11"

Philpott
33-9-30
18
20-10-25
18-22" coal

Paris Coal

- 2. 23-6-27
- 14"
- NW 27-7-29
- 14"
- Good SW 31-7-29
- 20"
- SW 35-8-27
- 6" coal
- NE 35-8-27
- 19" coal
- SW 28-8-26
- 30" coal
- SW 29-8-26
- 29" coal
- SW N-7-26
- 30" coal
- SE NW 1-7-26
- 26" coal

Hartshorn

- SW NE 13-9-32
- 6"
- SW 9-9-32
- 24" 500 ft
- SE 35-8-32
- 9" coal
- 1" sh
- 5" coal
- NW NE 36-8-32
- 24" coal
- 3" sh
- 4" coal
- NE 1-7-32
- 20" coal
- SW SW 14-7-32
- 28" coal
- 6" shale
- 6" coal

Charlton Coal

SE SW 2-9-32

15" Bone

10" coal

NE 13-9-31

12"

Good Smith NW 16-9-31

24"

N 1-7-31

20" coal

NE SW 7-7-31

18" coal

Good SW 13-7-31

22" coal

NW 20-7-29

18" coal

SW NW 1-6-32

4" coal

SW 2-6-32

36" coal

NENE 27-5-32

39" coal 456 ft

NW SE 12-4-32

44" coal

16" shale

4" coal

SW 19-5-32

60" coal

7" shale

30" coal

NE 3-9-31

4" coal

SW NE 8-6-29

20" coal

Hartshorne Coal

SW 28-8-31

2 1/2" coal
4" shale
1" coal

NB NW 17-7-31

15" coal
1/2" shale
12" coal 792 ft
4" shale
19" coal

SW NE 19-7-31

26" coal 460 ft
1" shale
18" coal

NE NW 21-7-31

45" coal 689 ft

SW SW 22-7-31

45" coal 89 ft

SE NE 22-7-31

43" coal 25 ft

NE SW 28-7-31

53" coal 198 ft

SW NW 31-7-31

53" coal 271 ft

NW SW 31-7-31

55" coal 129 ft

NE NE 32-7-31

48" coal 204 ft

SE NE 32-7-31

60" coal 60 ft

SW NE 32-7-31

64" coal 177 ft

NW NW 32-7-31

36" coal
4" shale 212 ft
36" coal

NE 21-6-31 ✓

30" coal

SW 19-5-31

40" coal ✓

NW N 19-5-31

45" coal

E 1/2 SW 19-5-31

36" coal

SW 19-5-31

✓ 41" 253 ft ✓

NW SW 20-5-31

38" coal

NE SW 20-5-31

38" coal

S 1/2 NW 20-5-31

36" coal

SE 21-5-31

42"

SW 27-5-31

54" coal

12" sty

6" coal

2" sty

22" coal

NW NE 26-5-31

48" coal 49 ft

9" sty

6" coal

38" sty

30" coal

NE SW 17-4-31

18" coal

12" shale + Bone

19" coal

30" shale

28" coal

Hartshorne Jugl

SE 1/2 SE 18-4-31

13" coal

3" pty

11" shale & coal

32" coal

23" shale & coal

24" coal

SE NE 1-3-31

33" of coal & shale

not mineable layers

no thicker than 8"

S 1/2 6-6-29

18"

W 1/2 4-4-28

14" coal

NW 1/4 8-28

18" coal

SW 1/4 9-26

25" coal

NW SW 1/4 7-30

9" Bone coal

24" coal 268 ft

S 1/2 NE 24-7-30

18" coal

NW 1/4 5-7-30

16" coal

SE SE 32-7-30

4" coal

1" shale

29" coal

NE SW 13-4-30

6" coal

N 1/2 SE 10-10-29

5" coal

SW 21-10-29

12" coal

NV 2 36-10-29

15" coal

5" Bone coal

SE SE 12-8-25

10" coal

10" pty 567 ft

24" coal

SE SE 26-10-25

20" coal

SE SW 50-9-25

21" coal

6" shale 27 ft

24" coal

NE NE 21-9-25

32" coal

4" shale 72 ft

8" coal

NW 29-9-25

46" coal

SE NE 21-9-25

33" coal 29 ft

NE 30-9-25

4 1/2" coal

SW 30-9-25

42-48" coal

SE SE 9-8-25

6" coal 50 ft

SE SW 7-8-25

10" coal 481 ft

Fort. Smith

Below ch.

No!

Charleston Coal

SW 28 - 8 - 28

20" coal

SW 29 - 8 - 28

17" coal

NW NW 31 - 8 - 28

10" coal

SW 32 - 8 - 28

10" coal

NW SE 3 1/2 - 8 - 28

10" coal

SE 34 - 8 - 28

20" coal

NE 2 - 7 - 28

16" coal

SW 13 - 7 - 28

18" coal

SW 16 - 7 - 28

18" coal

SE NE 17 - 7 - 28

32" coal

N 1/2 23 - 7 - 28

20" coal must

NW 24 - 7 - 28

18" coal (che)

NE 24 - 7 - 28

9" coal

SE 30 - 7 - 28

18" coal

NW 32 - 7 - 28

32" coal

NW 33 - 7 - 28

20" coal

SE 22 - 8 - 27

14" coal

NW 30 - 8 - 27

22" coal

SW 3 - 7 - 27

25" coal

NE 10 - 7 - 27

13" coal

W 1/4 19 - 7 - 27

30" coal

22 - 10 - 26

22" coal

NWSW 23 - 10 - 26

22" coal

SW NW 23 - 10 - 26

22" coal

SW NW 27 - 10 - 26

26" coal

SW 1/2 28 - 10 - 25

18" coal

NE 20 - 10 - 25

22" coal

could be Hartshorne

probably Hartshorne

che

NE NE 12 - 7 - 25

15" coal

NE 9 - 10 - 24

17" coal

SW 11 - 9 - 23 and

NW 14 - 19 - 23

8" coal, about 600' above Hartshorne.

3 - 8 - 31

16" coal maybe Che.

9 - 8 - 31 NW - NW

18" coal Che?

3 - 8 - 31

14" coal.

SW NE 1 - 8 - 31

18" coal

Paris

SE 30 - 7 - 28
18" coal
NW 32 - 7 - 28
32" coal
NW 33 - 7 - 28
20" coal

Paris coal

SE 3-7-24

32" coal

SE NE 10-7-24

24" coal

Charleston Coal

NE NW SW 28-31

18" coal

SE - SW 2-8-31

15" coal

Hartshorne coal
 E 1/2 36-10-24
 20" coal
 SE 7-9-24
 22" coal
 W 1/4 8-9-24
 21" coal
 N 1/2 10-9-24
 38" coal 220ft
 SW 14-9-24
 16" coal
 6" pty 140ft
 22" coal
 SW NW 17-9-24
 36" coal
 W 1/2 24-9-24
 20" coal
 2" pty
 20" coal 200ft
 NE 22-9-24
 20" coal
 2" pty 200ft
 20" coal
 SE 23-9-24
 34" coal 42ft
 NWNW 23-9-24
 17" coal
 2" pty 100ft
 22" coal
 NE NE 23-9-24
 16" coal
 4" pty
 20" coal
 NW NW 24-9-24
 39" coal 100ft
 NW NE 24-9-24
 16" coal
 4" pty 87ft
 20" coal

SW NW 2 18-24
 38" 848ft
 SE SE 17-8-24
 26" coal 670ft
 NE NE 17-8-24
 12" coal 924ft
 NW SE 20-8-24
 26" coal 413ft
 23-8-24 center
 38" coal 57ft
 NE 23-8-24
 36" coal 278ft
 SE NW 24-8-24
 14" coal
 SW NE 24-8-24
 11" coal
 SW 10-10-23
 74" coal
 SE 21-10-23
 15" coal
 SWSW 27-10-23
 21" coal
 NE 34-10-23
 15" coal
 SW 16-9-23
 36" coal
 17-9-23
 19" coal
 2" pty 240ft
 13" coal
 17-9-23
 42" coal 112ft
 NE NE 30-9-23
 40" coal 5270ft
 NWNW 20-8-23
 535ft to coal
 thin

Hartshorn Coal

N 1/2 21-7-20

NE NW 21-8-23

9" coal

525ft to thin coal

8" ptg

SE NW 28-8-23

24" coal

thin coal at 114ft

W 1/2 4-7-23

12" coal at 35ft - chs (?)

36" shaly coal at 435ft

W 1/2 6-7-23

12" coal at 71ft - chs (?)

12" coal

7" shaly coal at 522ft

SW NE 21-7-20

18" coal

9" coal

NW NW 29-10-22

8" ptg

480ft

18" coal

24" coal

NW S-9-22

19" coal

NW 22-7-20

SW 6-9-22

20" coal

9" coal

7" ptg 21ft

8" ptg

40ft

8" coal

24" coal

NW 7-9-22

25" coal

ptg

12" coal

E 1/2 8-9-22

9" coal

5" shale

7" coal

NW 16-9-22

5" coal

25" Bone Coal

5" Sandstone

12" Bone

NW 28-8-20

29" coal

SW 30-8-20

26" coal

ATOKA ATOKA

5%
H₂O 19 Blue Base Mine
Ach 7.7 Mackell's Coal Co.
VM 12.2 8 mi west of Clarksville
F.C. 19.2
S 1.2 401 feet to 40" coal
BTU 13,890

Big John Mine
Big John Coal Co.
1 1/2 miles SW of Paris
20 ft to 26" coal (Paris)

Barr Mine
Miners Cooperative Coal Co.
1 mile east of Hackett
Slope 4,100 in 26" coal

Bernice #4 mine
Bernice Anthracite Coal Company
5 mi southeast of Russellville
Slope 4,000 on 44" coal

Boyd Spelsier mine 5 mi SE Russellville
Boyd Spelsier Fuel Company
Slope 6,000 ft. on 9° on 26" coal

#1 mine
Duff Fuel Co.
5 1/2 mi west of Paris
20" of Paris coal.

Evans Pit
Lee Brothers Coal Company
5 mi north of Russellville
22" of Quata coal.

Saunders Mine
Cary Construction Co.
16" of coal in Philipott,
Clarksville
Fine Mine
New Fine Coal Co.
6 miles west of Excelsior,
Slope 1500' and 30" Hartshorn

Hartford Mine
Hartford Coal Company
4 mi. S-E of Hartford
Slope 600' on 45" of Hartshorn

70
H₂O 1.7
IM 17.9
FC 71.3
Ash 9.1
Hixson Mine
Hixson Coal Co.
7 mi NW of Paris
Slope 4,500ft on 76" Paris Coal

McKinney Mine
D.A. McKinney Coal Company
750ft on 44" Hartshorn Coal.

Quick Mine
Quick Coal Company
7 mi east of Hartford
500' slope on 44" Hartshorn

Sunshine Mine
Sunshine Coal Co.
5 mi west of Clarksville
Slope 1100' to 35" Hartshorn Coal.

H₂O 217

VM 17.1 Reckless #2 mine

FC #2.2 Reckless Coal Company

Apr 8. 3/4 west of Greenleaf.

Su 112 Slope 4,000 ft ~~300~~ Upper Hartshorn

BTU 13,980

H₂O B Western Mine

VM 16 Great Western Coal Company

FC 73.51 mi south of Bragg, W

Apr 9.1 Hartshorn

S 215 Shaft 360 to 457 Hartshorn.

BTU 14,343

Cent South line

~~37~~ 15 - 9N - 24W

37' 40"

Cent 15 - 9N - 24W

40"

Cent West line 15 - 9N - 24W

37"

SWC 15 - 9N - 24W

37"

NE C NW SW 16 - 9N - 24W

~~37~~ 1' - 7"
0.1"
1.6"

NE C SE 16 - 9N - 24W

1.6"
2.0" MB
1.8"

NFC' NW SE 16 - 9N - 24W

1' 2" coal

1' 6" MB

1' 9" coal

winch well #1
SE 1/4 SE 1/4

Section 21-9-25

1135 - 1140 coal