



258

FORM 180

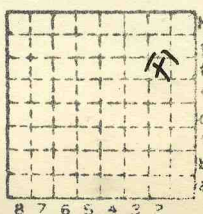
R F

Wasson #1.

S-12
mi. #45

554

SPRINGFIELD



Sec. 36
 T. 8 S.
 R. 6 E.
 Index No.

✓ Mine Index



Mine originally operated by: (1)

Date Wasson Coal Co.

1906

Original name or number: #1

Illinois Coal Report 1906 p.

LATER OPERATORS

Date	Operator	Name or No.
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

1906 OK

10' N 44° E of SW corner NENE (1948)

* Also owners #See ownership sheet

Railroad, Wagon, Idle, Abandoned Shaft

C.C.C.&St. L.

IDENTIFICATION

County No. 554

Coal No. 5

S-12

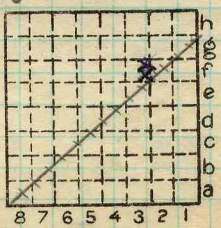
Quad. Eldorado



Part

(1948) 5' 3"

County Saline



Sec. 36

T. 8 S.

R. 6 W.

Index No.

0536 f2

COAL MINE OPERATOR



(Sheets) COAL PRODUCTION (Sheet)

No.	Period						Tons	
	Mo.	Day	Year	Mo.	Day	Year		
						1935		
12	1	1	1936	12	31	1936	385	009
12	1	1	1937	12	31	1937	385	832
S-12	1	1	1938	12	31	1938	429	807
						1939	415	673
						1940	356	254
S-12	1	1	1941	12	31	1941	370	491
S-12	1	1	1942	12	31	1942	433	314
						1943	402	193
						1944	399	511
						1945	393	897
						1946	292	553
						1947	412	999
						1948	395	429
						49	340	552
						50	306	323
						51	260	204
						52	72	968

#8

Handwritten notes:
 10 782 583
 8 427 420
 21 556 163

SUMMARIES

No.	to	No.		
1906		1935	10598	574
			983	583

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

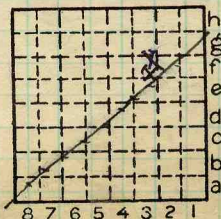
S-12

County No. 554 Coal No. 5

Eldorado

Quad. Part

County Saline



Sec. 36

T. 8 S.
 R. 6 W.

Index No. 0536 r2

COAL MINE—PRODUCTION



LOCATION AND ELEVATION

Location: W side C.C.C. & St. L side

R. R. R. R.

F.W. DeWolf

map 5-30-8 W side Highway No. 1 on top. map Yes Location sheet

Elevation: Method, 1. Est. () ft. 2. Inst. (kind Hand level) 384 ft.

By F.W. De Wolf Data sheet

DEPTH

Authority To coal 325 ft. Authority Rail to rail 327 ft. Top of coal above rail. (Est. 1908) 9 ft. To coal 318 ft.

ALTITUDE OF TOP OF COAL

By estimated data By instrumental data 66 ft.

Thickness

Max. 78 in. Min. 52 in. Aver. 60 in. 66

GEOLOGICAL DATA

Mine notes, date 1908 - Wheeler notes? ASD 1934 - Benson notes Coop No. 45 Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Analyses Face U. I. 4997, 4999, 5001, B. M. Others 1094 Car U. I. B. M. Others Org. Sulf U. I. B. M. Others Ash fusion U. I. B. M. Others Ash anal. U. I. B. M. Others U. I. B. M. Others

Classification

Misc. tests: Coking. Cleaning Boiler

Published descriptions:—

10' N } SW cor NENE 440' E } 1937

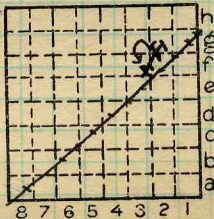
Railroad, ~~Wagon, etc, Abandoned~~

IDENTIFICATION

County No. 554

Coal No. 5

Part 9



Sec. 36 T. 8 S. R. 6 E. Index No.

Quad. Eldorado County Saline

COAL MINE LOCATION AND DATA

0536 0536.2F

See
Extra
Sheet
No.Entrance **Shaft**Kind of tippel **Steel**Motive power for hoist **Steam**

Source if electrical

Kind of hoist (cage, skip, etc.) **Cage**Kind of haulage **Electric main line & relay; mule gathering**Mining equipment **Undercutting machines**Note any features of the equipment that are of special interest **70lb. Steel on main line haulage**

SURFACE DATA.

A. Topography, **Rolling**B. Surficial materials, (1) Character, **Glacial drift**

- (2) Thickness, (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

C. Outcrops, (1) Character,

(2) Structure,

(3) Fossil horizons,

Collection No.,

(4) Evidences of subsidence, **None in vicinity of shaft**

D. Note collection of mine maps, drill records and shaft logs. **Maps 12-82-10, 12-82-18, 12-82-22; Two drill records near shaft site, one deep to 824'**

See drill record sheet,

E. Notes on surrounding area,

Coal bed name: Local, **Harrisburg**Survey No. **8**Collector, **E. T. Benson**Mine, **Wasson No. 1** Co. **Saline**Index No. **0536.2g**

L.—SURFACE SHEET (Geol.)



Operator, **Wasson Coal Co.**

Date **September 25, 1934**

Mine, **No. 1**

Sec. **36**

T. **8S**

R. **6E**

Location in mine, **Room 6 off 17th N off 3rd Main West**
NE 1/4 SW 1/4 NW 1/4 SE 1/4, sec 26, T8S, R 6E

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No.	Inches
		(Note character and thickness of roof)	
		Shale, dark gray, smooth, hard, fossil. (flora)	10 1/2
	1	Coal	2 27/32
	2	Shale, bony coal, mineralized fusain	13/32
	3	Coal	9 3/16
	4	Vitrain	5/32
	5	Clarain	7/32
	6	Vitrain	3/32
	7	Clarain	1/4
	8	Vitrain	1/16
	9	Coal	1 1/4
	10	Vitrain	17/32
	11	Coal	2 9/32
	12	Vitrain	1/4
	13	Mineralized fusain	9/32
	14	Coal	1 3/16
	15	Vitrain	7/32
	16	Coal	1 1/32
	17	Vitrain	7/32
	18	Coal	4 1/4
		(Note character and thickness of floor)	
		Total thickness of coal	62 5/8

Condition, **Dry** Time, hr. **50 min.**

Wt. Gross, **40** lbs. Net, lbs.

What Nos. shipped by Co.? **1, 3-36**

Excluded from sample: No. **2**

Sample represents **62 7/32** in. tons.

Impurities? How do they occur? **Pyrite facings, veins, bands and nodules; calcite veins and facings; clay seam**

(1 division = 3 in.)

Sample No. **1**

Can No. **(64) 1200, 1203**

Lab. No.

Collector, **E. T. Benson & H. G. Hazen**

Coal: Survey No. **5**

Mine, **Wasson No. 1**

Co. **Saline**

Index No.

R. COAL SAMPLE SHEET.

0536.2g



Operator, **Wasson Coal Co.**

Date **Sept. 25, 1934**

Mine, **No. 1**

Sec. **36** T. **8S** R. **6E**

Location in mine, **Room 20 off 15th S off 2nd E Main South SE 1/4 SE 1/4 NW 1/4 SE 1/4, sec 31, T8S, R7E**

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		Draw slate, gray, smooth, soapy, thin lam.	6"-10"
		1 Coal	7 ¹⁵ / ₃₂
		2 Clay streak with boney coal	2 ¹ / ₃₂
		3 Coal	2 ⁵ / ₁₆
		4 Vitrain	1/4
		5 Coal	13 ¹ / ₁₆
		6 Durain	5 ¹ / ₈
		7 Clarain	1 ¹ / ₁₆
		8 Vitrain	3 ¹ / ₁₆
		9 Coal	1 13 ¹ / ₁₆
		10 Vitrain	15 ¹ / ₃₂
		11 Coal	4 1/2
		12 Mineralized fusain	7 ¹ / ₃₂
		13 Coal	27 ¹ / ₃₂
		14 Vitrain	13 ¹ / ₃₂
		15 Coal	3 13 ¹ / ₁₆
		16 Vitrain	7 ¹ / ₃₂
		17 Coal	6 3 ¹ / ₄
		18 Vitrain	5 ¹ / ₈
		(Note character and thickness of floor)	
		Total thickness of coal	62 ³ / ₃₂
		Condition, Dry Time, hr. 45 min.	
		Wt. Gross, 45 lbs. Net, lbs.	
		What Nos. shipped by Co.? 1, 3-27	
		Excluded from sample: No. 2	
		Sample represents 61 7/16 in. tons.	
		Impurities? How do they occur? Pyrite facings, veins, and nodules; calcite facings & veins; clay band	

Sample No. **2** Can No. **71(1201, 1204)** Lab. No.

Collector, **E. T. Benson & L. G. Hazen** Coal: Survey No. **5**

Mine, **Wasson No. 1** Co. **Saline** Index No. **0536.2g**

R. COAL SAMPLE SHEET.

19	Coal	13	$\frac{1}{8}$
20	Fusain		$\frac{1}{16}$
21	Coal	4	$\frac{1}{32}$
22	Fusain		$\frac{1}{16}$
23	Coal	7	$\frac{1}{2}$
24	Vitrain		$\frac{3}{16}$
25	Coal		$\frac{1}{2}$
26	Vitrain		$\frac{17}{32}$
27	Coal	3	$\frac{15}{16}$
		<hr/>	
		62	$\frac{3}{32}$

Floor: dark gray, hard, underclay

16	ALTERNATE
11	COAL
10	ALTERNATE
12	COAL
14	ALTERNATE
15	COAL
13	MINERALIZED FUSAIN
11	COAL
10	ALTERNATE
9	COAL
8	ALTERNATE
7	ALTERNATE
6	COAL
5	ALTERNATE
4	ALTERNATE
3	COAL
2	ALTERNATE
1	COAL

SECTION TO WHICH THIS SECTION IS REFERRED TO

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Operator, **Wasson Coal Co.** Date **Sept. 25, 1934**
 Mine, **No. 1** Sec. **36** T. **8S** R. **6E**
 Location in mine, **Room 21 off 2nd N off 8th E off 8th N Main E**
SE 1/4 SE 1/4 NW 1/4 SE 1/4, sec 30, T8S, R7E

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		Draw slate, gray, smooth, thin lam	4" - 6"
		1 Coal	2 3/32
		2 Clay seam	9/32
		3 Coal	4 1 1/16
		4 Pyrite	1/16
		5 Coal	10 31/32
		6 Mineralized fusain	1/8
		7 Coal	3 1/4
		8 Mineralized fusain	1/8
		9 Coal	2 3/4
		10 Fusain	1/4
		11 Coal	1 1 3/32
		12 Vitrain	2 1/32
		13 Coal	1 15/32
		14 Vitrain	1/4
		15 Coal	1 1 3/32
		16 Fusain	3/32
		17 Coal	1 9/16
		18 Fusain	1/16
		(Note character and thickness of floor)	
		Total thickness of coal	63 1/8
		Condition, Dry	Time, hr. 45 min.
		Wt. Gross, 50 lbs.	Net, lbs.
		What Nos. shipped by Co.? 1, 3, 5-31	
		Excluded from sample: No. 2, 4	
		Sample represents 62 25/32 in. tons.	
		Impurities? How do they occur? Calcite facings + veins, pure clay band near top, few pyrite bands + veins	
(1 division = 3 in.)			

Sample No. **3** Can No. **86(1202, 1205)** Lab. No. XXXX
 Collector, **E. T. Benson & L. G. Hazen** Coal: Survey No. **5**
 Mine, **Wasson No. 1** Co. **Saline** Index No. **0536.2g**
 R. COAL SAMPLE SHEET.

- 19 Coal
- 20 Fusain
- 23 Coal
- 24 Vitrain
- 25 Coal
- 26 Fusain
- 27 Coal
- 28 Fusain
- 29 Coal
- 30 Fusain
- 31 Coal

2 $\frac{1}{32}$
 $\frac{5}{32}$
 $\frac{9}{16}$
 $\frac{1}{4}$
 2 $\frac{3}{32}$
 $\frac{5}{32}$
 10 $\frac{3}{16}$
 $\frac{1}{32}$
 5 $\frac{3}{32}$
 7 $\frac{1}{32}$

 63 $\frac{1}{8}$

19	Coal	
20	Fusain	
23	Coal	
24	Vitrain	
25	Coal	
26	Fusain	
27	Coal	
28	Fusain	
29	Coal	
30	Fusain	
31	Coal	

SECTION NO. 1
 LOCATION: ...
 DATE: ...
 SCALE: ...
 DRAWN BY: ...





INDEX

Wasson Coal Co. Mine No. 1

September 25, 1934

Sample 1 Can No. 64 (1200, 1203)

Room 6 off 17th N off 3rd Main West

8650' NW of shaft

NEC SW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, sec 26, T8S, R6E

Roof: shale, very dark gray, smooth, hard, many leaves and stems

Floor: dark gray, hard underclay 18"-56" in this section of mine

Height of section by rule = 62"

Height of section by tape = 62 $\frac{5}{8}$ "

Time of sampling at place = 50 minutes

The coal at this place shows only one clay band, about 1 $\frac{1}{2}$ inches below roof - made up apparently of both pure clay and clayey coal (bone)

Pyrite in coal here confined to thin sheety facings parallel to and at angles to face, and in few nodules 1"-1 $\frac{1}{2}$ " thick x 6"-10" long in face. No obvious bedded bands present in coal at this place.

Coal here is very hard in upper half of bed, chipping off in small flakes and pieces when picked. Lower half of bed much softer, breaking out in fair sized chunks when picked. Superintendent says this relationship is true over most of mine, with softer bottom coal chipping badly when long exposed.

Sample 2 Can No. 71 (1201, 1204)

Room 20 off 15th S off 2nd E Main South

4500' SE of shaft

SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, sec 31, T8S, R7E

Time of sampling at place = 45 minutes

Roof: gray, smooth, thinly laminated draw slate 6"-10"

Floor: dark gray, hard underclay

Height of section by rule = 62"

Height of section by tape = 62 $\frac{3}{32}$ "

The coal in this section of mine is very similar in appearance and structure to that at last place sampled, although this place is over 3 miles from 3rd main West place. There are no prominent

Collector E. T. Benson

Mine Wasson No. 1 Co. Saline

X.-EXTRA SHEET NO. 1

Coal: Survey No. 5

Index No.

0536, 2g



INDEX

Wasson Coal Co. Mine No. 1

September 25, 1934

pyrite bands in coal, most of pyrite occurring in facings and vertical veins in coal, and in a few small pyrite nodules. The clay band just under roof at first place is also present here being similar in character but is 8" below roof. No other clay bands present in coal at this place.

Coal here is very hard in top half of bed and soft and yielding in lower half. In this respect coal here is like that at 3rd main West.

Sample No. 3 Can 86 (1202, 1205) (1244, 1245 - Wales)

Room 21 off 2nd N. off 8th E off 8th N Main East

Approx. 6000' NE of shaft

SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, sec. 30, T8S, R7E

Roof: gray, smooth, soapy, thinly laminated draw slate 4"-6"

Floor: dark, gray, hard underclay

Height of section by rule = 62"

Height of section by tape = 63 $\frac{1}{8}$ "

Time of sampling at place = 45 minutes

Coal here is by far the cleanest of any coal seen at the three places sampled. There is very little pyrite present in facings and veins, and calcite is very minor in amount. There is only one visible pyrite band, and there are no nodules. The total amount of visible pyrite here is very small compared to that at two previous places. The clay band visible at the other two places near top of coal is present here also, but is thinner.

The coal here is soft and cuts easily with pick throughout bed. Similar to coal in lower half of bed at previous two places.

General Notes

The coal in this mine has no noticeable cleat present throughout area. In south part of mine where several faults occur the coal is cleated somewhat, but the cleat is slight and does not hinder or abet mining. There is a large amount of fusain in the coal.

Collector E. T. Benson

Mine Wasson No. 1 Co. Saline

X.—EXTRA SHEET NO. 2

Coal: Survey No. 5

Index No.

0536.2g



INDEX

Wasson Coal Co. Mine No. 1 September 25, 1934

in this mine. Most of it is soft and unmineralized. It occurs in thin and thick bands which form the prominent partings in the coal. A few lenses of fusain were noted, up to 1" thick and about 6" long.

Dike of Igneous Rock

Total width of dike about 25-30 feet.

Occurs crossing entry in south part of mine, close to faulted area, but dike apparently does not occupy fault plane for there is no displacement of coal, it being at same level on both sides of dike.

The heat of the dike intrusion and the mineralizing solutions from the dike have altered coal, roof shale, and probably the underclay floor. The coal is coked for a distance on either side of dike for a distance of about 40 feet. The coke at the outside of coked area still shows banding, but close to dike the banding is entirely obliterated, and some crumbling is evident. The coke has a hard, very bright sheny and cindery appearance, and probably has suffered some silicification.

The roof shale has undoubtedly been altered by both heat and mineralizing solutions. The same is true of the underclay but the relationships are obliterated by coal debris, dust, and sand from the haulage road in entry.

The dike rock is dark, hard finely crystalline to basaltic in texture, and very massive. The finely crystalline type tends to be near borders of dike, although this not always true. The basaltic type of rock composes most of dike. Many apparent inclusions of country rock.

Contact of dike with roof shale, coal, and underclay is not definitely or sharp. The metamorphosis has changed the surrounding beds so that contact is gradational instead of sharp as far as could be seen. Particularly is this true of roof shale and dike rock contact.

Collector **E. T. Benson**
 Mine **Wasson No. 1 Co. Saline**
 X.—EXTRA SHEET NO. **3**

Coal: Survey No. **5**
 Index No.

0536.2g



COAL MINE NOTES.

COUNTY *Saline*

TOWN *Eldorado.*

MAP No. *0536*

T. *85*

R. *6E*

S. *36 N.E. N.E.*

OPERATOR *Wasson Coal Co.*

OFFICE *Chicago*

MINE *#1*

TIPPLE *Three track.*

ENGINES

BOILERS

DRUM

SHAFT

CAGE *Automatic Dump.*

HAULAGE *Mule*

CARS *Wood 2 tons capacity.*

VENTILATION

DRAINAGE

SPRINKLING

WORKING SYSTEM

MINING METHODS

Electric Chain Machine used but part shot off the solid.

SIZE OF ENTRIES—MAIN

CROSS

ROOM

NECK

SIZE OF PILLARS—MAIN

CROSS

ROOM

SHAFT

CHAIN

BARRIER

AMOUNT OF TIMBERING *Little Timber required.* SIZE

PROPORTION OF COAL UTILIZED

AMOUNT AND CHARACTER OF WASTE

ACREAGE OF COAL MINED

ACREAGE OF COAL REMAINING

PROPORTION OF MINE RUN AND SCREENED COAL

METHOD OF SIZING *Shaker Screen.*

RESCREENED

SIZES

PER CENT

PROPORTION AND SIZE OF WASHED COAL

DAILY OUTPUT *750 Tons.*

UTILIZATION

MARKETS

FREIGHT RATES

SELLING PRICES AT MINE

0536.

COAL LAND OWNED

LEASED

HELD IN FEE

COST OF LAND OWNED

LEASED

HELD IN FEE

ADDITIONAL NOTES



COAL MINE NOTES.
CONTINUED.

OPERATOR *Wasson Coal Co.* MINE #1
 ENTRANCE *Shaft.* NAME OF COAL BED #5
 ELEVATION THICKNESS OF COAL
 DEPTH TO FLOOR 320 MAX. MIN. AV.
 ALTITUDE OF COAL

LOCATION OF SECTION *Room #1 on 2nd S from 1st W on Main N 400' West of shaft.*

No.	SECTION.	In.
1	<i>Roof slate</i>	<i>30±</i>
2	<i>Draw slate</i>	<i>2</i>
3	<i>Coal</i>	<i>2</i>
4	<i>Dirty Coal</i>	<i>1/4"</i>
5	<i>Pyrite</i>	<i>1/8"</i>
6	<i>Coal</i>	<i>60/8"</i>
7	<i>Hard Clay</i>	<i>3'</i>
8		
9		
10		
11		
12		
Tape <i>5'-3 1/2"</i>		Total <i>63 1/2"</i>

SAMPLE No. *W 30*
 CAN No. *Shale*
 CONDITION *Dry. Draw slate 2 1/8"*
 GROSS WEIGHT *25 60 3/8"*
 TIME EXPOSED
 NOT SHIPPED *gray Clay*
 NOT INCLUDED



PHYSICAL PROPERTIES BY NUMBERS

ROOF *2" draw slate, 30' of shale. Roof exceptionally good.*
No second draw
 FLOOR *Very hard gray clay 5'± sandy*

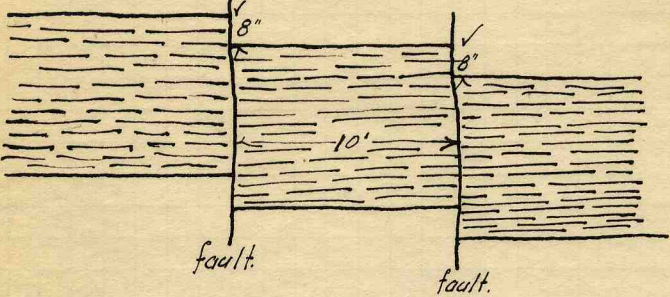
DIP
 FAULTS, ETC.
 GAS

COLLECTOR *Wheeler* REFERENCE *N.B. 141 P 94.* DATE *0536*

1908?



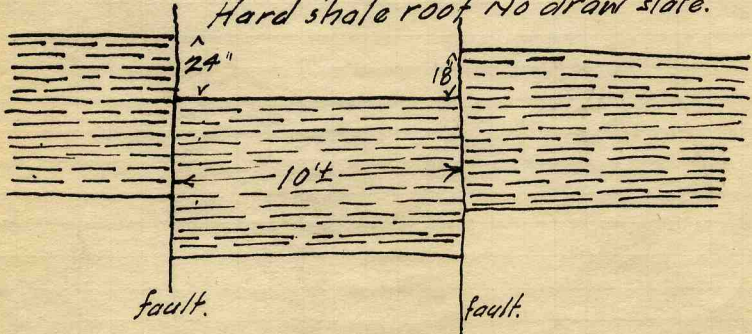
Hard Shale Roof No Draw Slate.



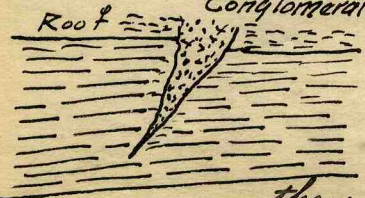
A few faults have been encountered in practically all of which the displacement was vertical. One of the entries cuts two such faults about 10' apart each being a down throw of 8"

In another place not very far away the same two faults are cut but in this instance the ground between the two planes has a greater displacement

Hard shale roof no draw slate.



The roof seems to have no tendency to break near the faults. They are left in the ribs between the rooms and the break-thrus driven from the low side.



There are a few clay veins not very far away from the faults. These veins are filled with rather hard conglomerate and usually tapers out before they get thru the coal.



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, Wasson Coal Co Date, June 21, 1912
Mine, #1 Located — miles* — from † Wasson Hill
Location in mine, 384th North 2000' from shaft E Face Room
Total (vertical) depth from surface at point of sampling, 320 ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings 3/8 inch thick or over (and even those of less thickness if they are rejected at mine or tippie).

SECTION OF BED AT POINT SAMPLED.

Table with 4 columns: No., DESCRIPTION., FEET., INCHES. Rows 1-17 detailing coal and sulphur streaks, ending with a TOTAL of 5 feet 2 3/4 inches.

Is coal wet or dry? Dry
Time exposed, — hours, 30 minutes.
Weight, 50 gross, net.
What are the impurities, and how do they occur? Sulphur Streaks
What are shipped? 1-2-3-4-5-7-9 (6-9)
What are excluded from the sample? 6-7
15.4% Coal bed, #
*Direction (N., NE., etc.) †Nearest railway station.

Town, Wasson Mine, #1 Co. Wasson Coal Co
SAMPLE NO. 40 CAN NO. 39 No. 45 0536

I.—COAL SAMPLE SHEET. Sampler, Stafford McDonald
#4997
12092



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Wasson Coal Co.* Date, *June 21*, 191*2*
 Mine, *#1* Located *_____* miles* from *Wasson, Ill*
 Location in mine, *Room face 142 N. of Main West (1500' from shaft)*
 Total (vertical) depth from surface at point of sampling, *330* ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tippie).

SECTION OF BED AT POINT SAMPLED.

No.	DESCRIPTION.	FEET.	INCHES.
1	Coal Bright		8 $\frac{1}{2}$
2+	Sulphur Streak		1 $\frac{1}{2}$
3	Coal, Bright	4	5
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16	Gray shale Roof		
17	14-1500 output		
TOTAL,		5	2 $\frac{1}{2}$

14 ✓

Is coal wet or dry? *Dry*
 Time exposed, *40* hours, *40* minutes.
 Weight, *50* gross, *_____* net.
 What are the impurities, and how do they occur? *Sulphur Streak*

What are shipped? *1-3*
 What are excluded from the sample? *2*

8.49 *17%* *Direction (N., NE., etc.). †Nearest railway station.
 Town, *Wasson* Mine, *#1* Coal bed, *✓*
 Co. *Wasson Coal Co.*
 SAMPLE NO. *457* CAN NO. *ST. 29* No. *45* **0536**

I.—COAL SAMPLE SHEET. Sampler. *Stafford Wasson*
#4999

COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Wasson Coal Co* Date, *6-21*, 191*2*
 Mine, *#1* Located *-* miles* *-* from † *Wasson*
 Location in mine, *Room face 3-4 W off Main South (2000 from*
 Total (vertical) depth from surface at point of sampling, *320* ft. *dup*

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tippie).

SECTION OF BED AT POINT SAMPLED.

No.	DESCRIPTION.	FEET.	INCHES.
1	Coal Bright	1	
2	Sulphur streak		1
3	Coal Bright	3	7 1/2
4	Mother Coal		1/2
5	Bright Coal		7
6			
7			
8			
9			
10			
11	11		
12			
13			
14			
15			
16			
17	Gray Shale Roof		
TOTAL,		5	3 1/2

Is coal wet or dry? *Dry*
 Time exposed, *-* hours, *30* minutes.
 Weight, *50* gross, *30* net.
 What are the impurities, and how do they occur? *Sulphur streaks*
Mother Coal Bands
 What are shipped? *1-3-4-5*
 What are excluded from the sample? *2*

7.51 *14.7%* Coal bed, *5*
 *Direction (N., NE., etc.). †Nearest railway station.

Town, *Wasson* Mine, *#1* Co. *Wasson Coal Co.*
SAMPLE NO. 40 **NO. 40** No. *45* **0536**

I.—COAL SAMPLE SHEET. Sampler. *Wasson*
Jafford.
 #5001
 12485



Operator, **Wasson Coal Co** Date **1/24/08**
 Mine, **No. 1** Sec. **36** T. **8S** R. **6 E.**
 Located, _____ miles from **Eldorado**
 Location in mine, **Rm #1 on 2 S from 1st Main N. 400'**

GRAPHIC SECTION

DESCRIPTION OF SECTION (AT POINT SAMPLED) **to shaft.**

In.	No.	No.	(Note character and thickness of roof)	Inches
2.25 .12			Roof slate 30 ft ± Draw slate 2 in	
Co. 12		1	Coal	2
		2	Dirty coal	.25
		3	Pyrite	.12
		4	Coal	60.12
			Hard clay 3 ft +	
6.03			(Note character and thickness of floor)	
36.2			Total thickness of coal.	62.50
47.8			Condition, Dry Time, hr. min.	
			Wt. Gross, 25 lbs. Net, lbs.	
9.9			What Nos. shipped by Co.?	
29.79			Excluded from sample: No.	
			Sample represents in. tons.	
			Impurities? How do they occur?	

Sample No. **W-30** Can No. _____ Lab. No. **1094**

Collector, **Wheeler NB. 141 p 94** Coal: Survey No. **5**
 Mine, **Wasson No. 1** Co. **Saline** Index No. **0536**
R.—COAL SAMPLE SHEET.