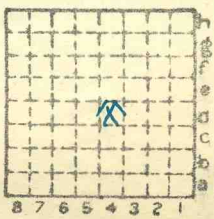
Maps 4103. W52 (1938) Franco Mg Co.
C 5.1 - 84

4102 (Rec'd 1950)
C 5.1 - 24

4103. W52 (1932)
C 5.1 - 139

Franco Mining Corp
use this one
421

Mi. #154,
~~422~~



Sec. 11
T. 8 ~~N.~~ S.
R. 2 E. ~~W.~~
Index No.

Mine originally operated by: (1)

Date 1915 — Cambria Coal Co. — Big Muddy Mg. Co ?

Original name or number:

Illinois Coal Report 1915 p.

LATER OPERATORS

	Date	Operator	Name or No.
2	1919	Ernest Coal Co.	#1
3	1922	Cosgrove Meehan Coal Co.	#1
4	1934	Franco Mining Corp.	
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

• Also owners #See ownership sheet

Idle 1939 Railroad, Wagon, Idle, Abandoned Shaft

C.B.&Q. 1939

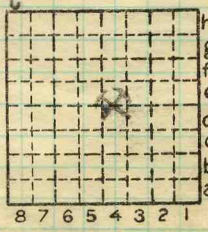
IDENTIFICATION

County No. 421 Coal No. 6

☐ Part

Quad. W. Frankfort

County Williamson



Sec. 11

T. 8 N. S.

R. 2 E. W.

Index No. 0311 d4

COAL MINE OPERATOR

(Sheets) COAL PRODUCTION (Sheet)

No.	Period Mo.	Day	Year	Mo.	Day	Year	Tons	
						1935		
8	1	1	1936	12	31	1936	295	513
8	1	1	1937	12	31	1937	297	984
S-8	1	1	1938	12	31	1938	82	949

#1

7,774,503
7,305,037
6,469,476

SUMMARIES

No.	to	No.		
1915		1935	7 478	990
			7 774	503

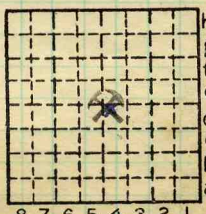
Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. 421 Coal No. 6

Quad. W. Frankfort Part

County Williamson



Sec. 11

T. 8 N. S.

R. 2 E. W.

Index No. 0311 d4

COAL MINE—PRODUCTION

MOORE'S MODERN METHODS

LOCATION AND ELEVATION

Location: side R. R.

side R. R.

side Highway No.

on top. map Location sheet Map Files #5-28-21

Elevation: Method, 1. Est. ( ) ft.

2. Inst. (kind Hand Level) 398 ft.

By G.H.Cady NB88 p.31-Q11 Data sheet

DEPTH

Authority To coal 217 ft.

Authority Rail to rail ft.

Top of coal above rail. (Est. Rule) ft.

To coal 234 ft.

ALTITUDE OF TOP OF COAL

By estimated data

By instrumental data 181 ft.

Thickness

Max. in. Min. in. Aver. 122 in. 84

GEOLOGICAL DATA

Mine notes, date 1921

Coop No. Pyr. inv. Coal Ash inv.

CHEMICAL DATA

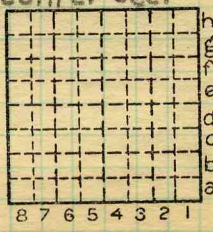
Analyses Face	U. I. 3	B. M. 3		Others
Car	U. I.	B. M.		Others
Org. Sulf	U. I.	B. M.		Others
Ash fusion	U. I.	B. M.		Others
Ash anal.	U. I.	B. M.		Others
#154	U. I.	B. M.		Others

Classification R.I. 132 U.C.I. 147

Misc. tests: Coking. Cleaning Boiler

Published descriptions:—

Railroad, Wagon, Idle, Abandoned 80'F 120'C } center Sec.



Sec. 11

T. N. 8 S.

R. 2 E. W.

Index No. 0311 d4

IDENTIFICATION

County No. 421 Coal No. 6 ☐

Quad. W. Frankfort Part

County Williamson

COAL MINE LOCATION AND DATA

(34215—1M—3-30) 7

Mine Name or No. 1 Mine Address Johnson City

Operator Cosgrove Meehan Coal Co

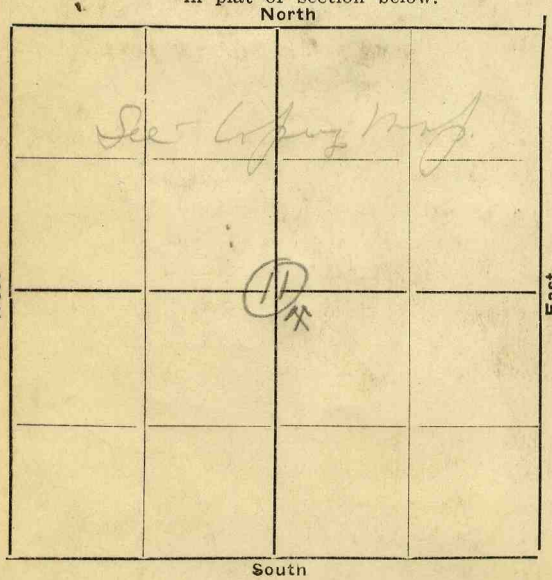
Main Office Address [illegible]

Location of Mine:

Township Name _____ County _____

Section No. 11 Township 8 N S Range 2 E W

Indicate location of mine and position of R. R. in plat of section below.



Kindly state number of feet from quarter section lines:

_____ from N. line

_____ from E. line

_____ from S. line

_____ from W. line

Idle entire year 19____ Yes No

Abandoned (date) 19____

Surface landing is 2 feet above sea level or about 1 feet (above) (below) railroad station at _____ (nearest town).

Depth to ~~top~~ bottom of coal is 246 feet.

Average thickness of coal is 9 feet 10 inches.

Do not fill in below this line.

Coal Bed Name _____ Survey No. 6

County Williamson Index No. 0311

V—MINE LOCATION SHEET.

MOORE'S MODERN METHODS

Town, Johnson City
Local Authority,

Level: Auth., —

Method,

R. R., C B P Q.

Location: authority, Mine Maps

Surface alt., ft.
Depth to coal, 236 ft.
Alt. top coal, ft.
Thickness: Av. 118 in.
Max. in., Min. in.

R. 2E
T. 8S Sec. 11
(Show R. R.)

Operator | Mine Name or No.

19

Successor to
Date
Succeeded by
Date
Succeeded by
Date

PRODUCTION.

19											U. S. No.

Geol. Notes? Coop. No. Coal secs?
Analyses No.

Examined by Ref.

Coal bed name: Local
County Williamson

Survey No. 6
Index No. 0871

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

(9010-1M-7-18)

MOORE'S MODERN METHODS

F. Thickness of rock above bed worked, Unknown

(1) Important variations,

See

G. Note presence of strata having important effect on mining,

soft shale Roof.

See

(1) Position, Overlying coal.

(2) Character, Med hard light colored shale, irregularly bedded.

(3) Persistence,

(4) Other workable coal beds, #5 coal bed found 40± ' below

See

H. Cap rock, None

(1) Thickness, –

(2) Height above coal, –

See

I. Immediate roof, Shale

(1) Thickness, ? (2) Contact with coal,

(3) Horizontal variation,

Apparently little

See

J. Draw slate. (1) Thickness, ? (2) Contacts

fairly uniform.

(3) Persistence, yes.

K. Coal bed: Max. Min. Av. 118 inches

(1) Benches. Upper and lower.

(a) Position, Above and below blue band.

(b) Persistence,

See

(2) Bedded impurities, kind, position in benches, persistence, ease of separation. Blue band, with fair parting above and below; clay parting and clay and stony pyrite lamina.

See

(3) Irregularities in continuity of (bed due to deposition, erosion, or movement, None observed

See

(a) Effect on mining, —

See

SECTION				
Ft.	In.	Name	Index	Sym.
		no log available		

Collector, Gasgrove Meehan Coal Co

Coal: Survey No. 6

Mine, No 1 Co. Williamson Index No. 0311

M.—UNDERGROUND SHEET (Geol.)

See Extra Sheet No.

Entrance Shaft.
Kind of tipple Steel
Motive power for hoist Steam
Source if electrical
Kind of hoist (cage, skip, etc.)
Kind of haulage Motor, steel and mules for gathering
Mining equipment Short wall and breast machines, Pit Car loaders
Note any features of the equipment that are of special interest

SURFACE DATA.

A. Topography,

B. Surficial materials, (1) Character,

(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,

D. Note collection of mine maps, drill records and shaft logs.

See drill record sheet,

E. Notes on surrounding area,

Coal bed name: Local, Survey No. 6

Collector, Cosgrove Meehan Coal Co

Mine, No 1 Co. Williamson Index No. 0311

L.—SURFACE SHEET (Geol.)

K. (5) Physical character of Coal,

(a) Relative hardness, Coal firmer throught fewer partings and breaks into vertical sheets when under pressure on rib.

(b) Lustre, Bright.

(c) Fracture, Irregular

(d) Texture,

See

(6) Impurities in coal, other than bedded, kind, position, persistence, ease of separation, etc. Some pyrite as impregnations in coal, vertical network of veinlets, and an occasional (rare) small lenses (stone) Possibly bedded impurity, ½" by 2"

See

L. Floor: (1) Material, Fire clay

(2) Thickness, ?

(3) Variation, Apparently none

(4) Note character, condition, tendency to heave, relation to undercutting, commercial value. Undercut in coal. Sometimes bottom coal is left in rooms.

See

(5) Clay sample No. A-285 and A-289 Location,

M. Stratigraphy,

(1) Fossiliferous horizons underground,

Collection No. Location,

N. Notes on effect of deep drilling in coal mine areas.

See

Collector, Casgrove Maehan Coal Co Cola: Survey No. 6

Mine, No 1 Co. Williamson Index No. 0311

N.—UNDERGROUND SHEET (Geol.)

Symbol	Description	Inches
[1 division=3 in.]	Roof - light Gray shale, med hard but has irregular slips which causes falls	A-286
	Top of seam	
120	clean coal, less banding than in lower part of seam.	
108	good clay parting	
96	Relatively clean coal. Brighter than rest of seam with more pronounced concoidal fracture	
84	Face Samples A-288 Pyrite impregnated coal A-287 over	
	mother coal parting	
72	" " "	
	" " "	
	" " "	
60	Mother coal parting	
	Blue band 3/4" here, up to 1 1/4" mostly clean clay hard, light colored. Good partings	A-285
24"	Mother coal lense 2 1/2" thick 1' away. 1/2" here Hard banded coal.	A-284
0	Fire clay - light gray, med. soft, some slip fracturing and many root impressions	A-283

Collector. Gasgrove Mechan Coal Co Coal: Survey No. 6

Mine. No 1 Co. Williamson Index No. 0311

Q.—COAL SECTION SHEET. #1

This Sample was taken in Room 13.
off 8th N off 5th West off Main North
Approximately South center of SW¼
of the SW¼ of Section 2

Symbol	Description	Inches
[1 division=3 in.]		
120	Roof - Light gray shale, peels with coal and soon afterward. Coal pile sprinkled with thin fall.	A-295
108	Fairly clean firm coal.	
96	Horizon of clay streak 1/8" thick, Parting here only.	
	Horizon of pyrite (stony) lamina. Merc line here	A-294
84	3/8" dull coal	
	1/2" Mother Coal	
	3/8" mother coal	
72	1/2" Mother coal	
	3/8" Mother Coal	
60	1/2" Mother Coal	
48	Mother Coal parting	
	1/2" very dull coal (extra)	
36	1/2" dull coal (extra)	
24	1 1/2" Blue band. Fairly clean clay here but slightly bony in same room	A-290
	Fire Clay Same as section #1	A-289

Face Samples A-291
Hand Specimens A-292 and A-293
Coal in this area is highly banded. Bright and dull bands with dull bands conspicuous by their width, up to 1/2" thick. Coal breaks vertically, probably induced on rib by pressure.

Collector. Gasgrove Mechan Coal Co Coal: Survey No. 6
Mine. No 1 Co. Williamson Index No. 2311
Q.—COAL SECTION SHEET. #2

This Sample was taken in Room 11
off 2N off 2nd E - 4th N.
Almost in very center of the
SE¼ of the SE¼ of section 2

INDEX

Bedded Impurities

A Blue band. Probably slightly more uniform here and with a better parting above and below than common. Much of it is sorted while coal is being loaded into pit car loaders. However much escapes as men are pushed to get tonnage.

At room where cool section #2 was taken a lamina of stony pyrite about 1/8" thick that followed a persistent clay parting. This lamina as all the rest of its kind is loose from the coal and breaks small and an impurity that cannot be easily sorted out underground nor on top.

"b" Concretions and Segregations
None found.

"c" Lenticular Clay Masses.
Only one small clay lense was found which was beside Coal section #2 and only 3/8" thick and 10" long. Not enough for sample

"d" Joint fillings and facings.
Facings are quite uncommon in this mine although some of calcite were noted in lower bench.
Vertical networks of cracks like those found at Elkville are common but not in great quanity.

Collector Cosgrove Meehan Coal Co Coal: Survey No. 6
Mine No 1 Co. Index No. 6311
X.—EXTRA SHEET No. #1

INDEX

e Crack fillings or horsebacks
None

f Interbedded carbonaceous and detrital Material.
The dull coal bands noted on sections are no doubt a half way between coal and bone coal. Only the more prominent and conspicuous were shown on sections

g Igneous dikes
h Mineral Veins } None
i Petrifactions

Floor. Not a particular impurity in this coal as shovelling is done on bottom coal and which is later taken up

Roof. No top coal is left when rooms are driven on advance so some roof falls, especially where it peels off in slabs ½" thick or so. Also where it has slips and long imprints of flattened logs which offer no cohesion. In room where face sample #291 was cut the coal pile was heavily sprinkled with roof pieces. Roof sample A-295 was taken from this pile.
In pillar recovery which they practice here the roof breaks close to working and naturally roof is an important impurity.

Collector Cosgrove Mechan Coal Co
Mine No 1 Co. Williamson
Coal: Survey No. 6
Index No. 6311
X.—EXTRA SHEET No. 2

MOORE'S MODERN METHODS

Town, Johnston City
Local Authority, Reynolds (M. Mgr.)
Level: Auth., Engineer (not confirmed by him however)
Method,

Surface alt., 421 ± ft.
Depth to coal, 235 ft.
Alt. top coal, 186 ft.
Thickness: Av. 108 in.
Max. 156 in., Min. 96 in.

R. R., C. & E. I.

Location: authority, Mine map in office

R. 2E
T. 8S Sec. 11
3 per
(Show R. R.)

Operator | Mine Name or No.

1926 Ernest Coal Co | Franco No. 1

Successor to
Date
Succeeded by Cosgrove Meehan Coal Corp. Franco No. 1
Date
Succeeded by
Date

PRODUCTION.

19	U. S. No.
2500 tons daily.	

Dup

Geol. Notes? Yes Coop. No. Coal secs? 3
Analyses No. 12799, 12800, 12801

Examined by Netzeband Ref. Loose leaf

Coal bed name: Local
County Williamson
Survey No. 6
Index No. 0311-64

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

(9019-1M-7-18)

MOORE'S MODERN METHODS

Town, Johnston City ; Freeman (SP)
Local Authority,

Surface alt., 398 ft.
Depth to coal, 217 (Log) ft.
Alt. top coal, 181 ft.
Thickness: Av. 108 in.
Max. 156 in., Min. 96 in.

Level: Auth., Cady's N.B. 88 p. 37
Mine notes 1921

Method,

R. 2E

R. R., CB&Q ; I.C. ; MoP ; C&EI

T. 8S

Sec. 11

Location: authority, Cady's W. Frankfort map.

(Show R. R.)

GEN'L COAL REPT #421

Operator — Mine Name or No.

19 Ernest Coal Co. — Ernest

Successor to ~~Big Muddy Mining Co.~~ CAMBRIA COAL Co. 1917

Date

Succeeded by Cosgrove Meehan Coal Corp. — Defunct Oct 1934 — Franco #1

Date March, 1923 (~~[illegible] 11 [illegible] Chicago~~)

Succeeded by Marion, Ill. Franco Mining Corp. Franco #1 Streitz #1

Oct. 1934 Date

Bk Exam. Oct 27/34 to 1938

PRODUCTION.

U. S. No.

19									
1927 1928	412	899							
1932	160	464						1930 #9	

Geol. Notes? No Coop. No. #154 Coal secs? No
Analyses No. 9

Examined by Ref.

Coal bed name: Local Survey No. 6

County Williamson Index No. 0311

K.—ACTIVE SHIPPING OR LOCAL COAL MINE. 0

(P5628-500) 2

Mine Name or No., Franko No. 1

½ mile NW from Johnston City

Operator, 1921 Ernest Coal Co

Operator, 191

R. 2E

T. 8 S

Sec. 11

3 per

R. R. CR E. I

Entrance, Shaft Elev., 421± ft. { above, / below, } sea level

Depth to ~~bottom~~ coal, 235 ft. Alt. 186

SURFACE DATA.

A. Topography, Flat See

B. Surficial materials. (1) Character,

(2) Thickness, No information (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc. No information

See

C. Outcrops, (1) Character, See

(2) Structure, See

(3) Fossil horizons, See

Collection No.,

(4) Evidences of subsidence, In SW there is a break to the surface See X1

D. Note collection of mine maps, drill records and shaft logs.

See drill record sheet,

E. Notes on surrounding area,

See

Coal bed name: Local, Survey No. 6

Collector, Netzeband

Mine, Franko #1 Co. Williamson Index No. 0311.64

L.—SURFACE SHEET (Geol.)

F. Thickness of rock above bed worked, *No information*

(1) Important variations,

See

G. Note presence of strata having important effect on mining, *Grey roof shale hard to hold*

See

(1) Position, *Above coal*

(2) Character, *Grey sandy shale*

(3) Persistence, *All over mine*

(4) Other workable coal beds, *None known*

See

H. Cap rock, *Limestone*

(1) Thickness, *No information*

(2) Height above coal, *35-40'*

See

I. Immediate roof, *Grey shale*

(1) Thickness, *35-40'?* (2) Contact with coal,

(3) Horizontal variation, *Same type of shale all over mine*

See

J. Draw slate. (1) Thickness, (2) Contacts

(3) Persistence, *Very little*

K. Coal bed: Max. *156* Min. *96* Av. *108* inches

(1) Benches, *No benches*

(a) Position, *Top, middle (to blueband) and bottom. Does not shoot in benches*

(b) Persistence,

See

(2) Bedded impurities, kind, position in benches, persistence, ease of separation. *Charcoal, clay, blueband (1-3") Blueband separates easily from coal—no waste. Some "black jack" lenses.*

See

(3) Irregularities in continuity of bed (due to deposition, erosion, or movement, *A few minor rolls. Slips show no displacement.*

See *X1*

(a) Effect on mining, *None.*

See

SECTION

Ft.	In.	Name	[redacted]	Sym.
?		Limestone		
40		Shale		
9		Coal		
1	6	Floorclay		
?		Limestone		
		1 Div =	4'	

Collector, *Netzeband*

Coal: Survey No. *6*

Mine, *Franko #1* Co. *Williamson*

Index No. *0311.64*

M.—UNDERGROUND SHEET (Geol.)

K. (5) Physical character of coal in benches,

(a) Relative hardness, Hardness about medium - streaks of bone coal (3/4") very hard.

(b) Lustre, Top bright, middle dull with some glance, bottom dull glance

(c) Fracture, S 24 W, S 66 E Blocky

(d) Texture, Laminated See

(6) Impurities in coal, other than bedded, Calcite or gypsum fracture

(a) Kind, fillings & some pyrite as lenses & stringers

(b) Position and persistence, Above blueband; calcite or gypsum thruout mine — pyrite anywhere occasionaly.

(c) Rejected, If over 1/2" Ease of separation,

See

L. Floor: (1) Material, Fire clay

(2) Thickness, 0-18" Limestone beneath clay

(3) Variation, Varies only in thickness

(4) Note character, condition, tendency to heave, relation to undercutting commercial value. Green grey shale; soft, with many slickened faces and black plant fragments, not much tendency to heave; used to undercut upon; value unknown.

See

(5) Clay sample No. Location,

M. Stratigraphy,

(1) Fossiliferous horizons underground, Grey shale above coal — fragments of plant remains

Collection No. Location,

N. Notes on effect of deep drilling in coal mine areas.

See

Collector, Netzeband Coal: Survey No. 6

Mine, Franco No. 1 Co. Williamson Index No. 0311.64

N.—UNDERGROUND SHEET (Geol.)

K3 In NE - Cleat 536W - 524E
The coal has no definite face to aid shooting the coal.
In the 3W there is a fall which breaks to the surface. Reported subsidence of about 4' on surface.

K3 There are many slips in the coal but they do not effect the roof coal as regards staying up. It is not known if the slips in the coal continue on into the roof shale.

Fault 3NE cuts off coal. Coal at least 5' higher on N side Strike N19°W. Dip 34°S
The 3rd & 4th N.E. entries are stopped when they reach the fault so no cross section of the fault could be studied They drove a crosscut parallel to the strike of the fault which showed slip in the coal but gave no information as to the amount of throw etc.
There are several minor slips reported in the old workings.

Collector Netzeband Index No. 0311.64
X- 1 EXTRA NO. 1 County Williamson

Operator, Ernest Coal Co. Date June 23 1921
Mine, Franco #1 Sec. 11 T. 8S R. 2E
Located, 2½ miles from Johnson City
Location in mine, 5th S. off the 47th W. S.

GRAPHIC SECTION In.		No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) No.	(Note character and thickness of roof)	Inches
				Shale Roof	
			1	Coal	33
			2	Pyrite lens	¼
			3	Coal	13
			4	Charcoal	½
			5	Coal	4
			6	Charcoal	½
			7	Coal	27
			8	B.B. shale	1
			9	Coal	23
				Shale floor	
				100" tape	
				(Note character and thickness of floor)	
				Total thickness of coal.	

Condition, As Mined Time, hr. min.
Wt. Gross, 30 lbs. Net, lbs.
What Nos. shipped by Co.? 1, 2, 3, 4, 5, 6, 7, 9

Excluded from sample: No. 8
Sample represents 99 in. tons.
Impurities? How do they occur?

Sample No. 1 Can No. W-21-36 Lab. No. 12799
Collector, Wilson Coal: Survey No. 6
Mine, Franco #1 Co. Williamson Index No. 0311:64
R.—COAL SAMPLE SHEET.

Operator, Ernest Coal Co. Date June 23, 1921
Mine, Franco #1 Sec. 11 T. 8S R. 2E
Located, 2½ miles from Johnson City
Location in mine, 7th S. off the 1st E. N.

GRAPHIC SECTION In.		No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) No.	(Note character and thickness of roof)	Inches
				Shale	
			1	Coal Roof	24"
24		1	2	Coal	7
			3	Charcoal	1½
			4	Coal	40
			5	Shale	½
7		2	6	Coal	9
1½		3	7	BB shale	1
			8	Coal, calcite stringers	25
				81" tape	
40		4			
½		5			
9		6			
1		7		(Note character and thickness of floor)	
				Total thickness of coal.	105
25		8			

Condition, As Mined Time, hr. min.
Wt. Gross, 25 lbs. Net, lbs.
What Nos. shipped by Co.? 2, 3, 4, 5, 6, 8

Excluded from sample: No. 1, 7, 5
Sample represents 79½ in. tons.
Impurities? How do they occur?

Sample No. 2 Can No. W-21-37 Lab. No. 12800

Collector, Wilson Coal: Survey No. 6
Mine, Franco #1 Co. Williamson Index No. 0311.64

R.—COAL SAMPLE SHEET.

Operator, Ernest Coal Co. Date June 23, 1921

Mine, Franco #7 Sec. 11 T. 8S R. 2E

Located, 2½ miles from Johnson City

Location in mine, Face of Main N in Cross cut.

GRAPHIC SECTION In.		No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) No.	(Note character and thickness of roof)	Inches
				Shale	
			1	Coal, Roof	36"
			2	Coal	11
36		1	3	Charcoal	¼
			4	Coal	20
			5	Charcoal	¼
			6	Coal	17
			7	BB shale	1
			8	Coal	34
11		2			80"
¼		3			
20		4			
¼		5			
		1			
17		6			
				(Note character and thickness of floor)	
1		7		Total thickness of coal.	116
34		8			

Condition, As Mined Time, hr. min.

Wt. Gross, 25 lbs. Net, lbs.

What Nos. shipped by Co.? 2, 3, 4, 5, 6, 8

Excluded from sample: No. 1, 7

Sample represents 79 in. tons.

Impurities? How do they occur?

Sample No. 3 Can No. W-21-38 Lab. No. 12801

Collector, Wilson Coal: Survey No. 6

Mine, Franco #1 Co. Williamson Index No. 0311.64

R.—COAL SAMPLE SHEET.