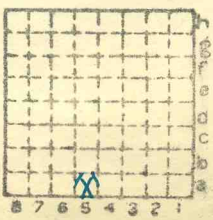
FORM 180

OLD BEN. #18

422

MI 155

✓




Sec. 12

T. 8 ~~N.~~ S.

R. 2 E. ~~W.~~

Index No.

Mine originally operated by: (1)

Date 1917 — Johnston City B. M. Coal & Mining Co.

Original name or number: #2

Illinois Coal Report 1917 p.

LATER OPERATORS

| | Date | Operator | Name or No. |
|---|---|---|---|
| 2 | 1919 | Old Ben Coal Corporation | #18 |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |

* Also owners #See ownership sheet

Railroad, Wagon, Idle, Abandoned 1933

C.B.&Q., I.C., Mo. Pac.

SHIPPING MINE

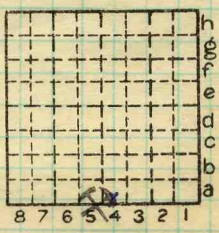
IDENTIFICATION

County No. 422 Coal No. 6

☐ Part

Quad. W. Frankfort

County Williamson




Sec. 12

T. 8 N. S.

R. 2 E. W.

Index No. 0312 a5

COAL MINE OPERATOR

(3106–21531) 3

( Sheets) COAL PRODUCTION (Sheet )

| Period Mo. | Day | Year | Mo. | Day | Year | Tons |
|---|---|---|---|---|---|---|
| | | 1935 | | | | #1 |
| | | 1936 | | | | |

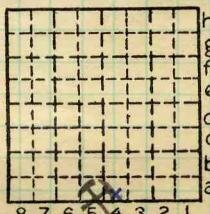
7,620 074
5294,002
2,326 072

SUMMARIES

| No. | to | No. | Tons |
|---|---|---|---|
| 1917 | | 1935 | 7 620 074 |

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION




Sec. 12

T. 8 N. S.

R. 2 E. W.

Index No. 0312 a

County No. 422 Coal No. 6

W.Frankfort

Quad. Part

County Williamson

COAL MINE—PRODUCTION

## LOCATION AND ELEVATION

Location: side R. R.

side R. R.

side Highway No.

on top. map Location sheet

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

2. Inst. (kind Plane Table ) 440.3 ft.

By W.B.R. (1932) Data sheet

### DEPTH

| | | |
|---|---|---|
| Authority | To coal | ft. |
| Authority | Rail to rail | ft. |
| Top of coal above rail. (Est. Rule) | | ft. |
| | To coal | 261 ft. |

### ALTITUDE OF TOP OF COAL

By estimated data

By instrumental data 179 ft.

### Thickness

Max. in. Min. in. Aver. 108 in.

### GEOLOGICAL DATA

Mine notes, date

Coop No. Pyr. inv. Coal Ash inv.

### CHEMICAL DATA

| | | | |
|---|---|---|---|
| Analyses Face | U. I. | B. M. | 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 |
| | U. I. | B. M. | Others |

Classification

Misc. tests: Coking. Cleaning Boiler

Published descriptions:— MI 155 B62

Railroad, Wagon, Idle, Abandoned

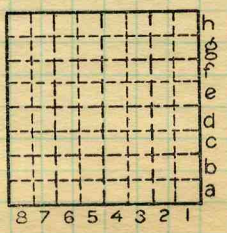
### IDENTIFICATION

County No. 422 Coal No. 6

Part

Quad. W. Frankfort

County Williamson




Sec. 12

T. N 8 S.

R. 2 E. W

Index No. 0312 a5

**COAL MINE LOCATION AND DATA**

(34215—1M—3-30) 7

MOORE'S MODERN METHODS

440.3 ~~439.07~~

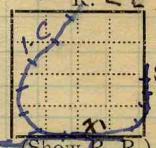
Town, P.O. Johnston City
Local Authority, West Frankfort Dist. Coal Co.

Surface alt., 420 ft.
Depth to coal, 261 ft.
Alt. top coal, 179 ft.
Thickness: Av. ~~120~~ 108 in.
Max. 132 in., Min. 84 in.

Level: Auth., Top. map.
Roe. P.T. 1932
Method,

Sup. Herrin.

R. R., C. B. & Q.; C.T.E.I.; I.C.; Mo. Pac.




Location: authority, Letter from Johnston City Coal Co. 1/3/18
Letter 6/-/26. - co. map.

Operator GEN'L COAL REPT. Mine Name or No.
# 422

19 18 Johnston City Coal Co. No. 2

Successor to
Date
Succeeded by Old Ben Coal Corp. Old Ben No. 18
Date Apr. 1920 - Coal Age + O.B.C. Corp.
Succeeded by Shufeldt 2/7/25 - (West Frankfort Tribune) Feb 5, 25
~~McC~~ Date ~~Mar~~, Chicago; 230 S. Clark St.

PRODUCTION.

| 19 | | | U. S. No. |
|---|---|---|---|
| 11/11/26 Coal Age - Has resumed operations | | | |
| 1927 1928 | 613 | 010 | |

1930 #10

Geol. Notes? No Coop. No. #155 Coal secs? No
Analyses No. 10

Examined by Ref.

Coal bed name: Local
County Williamson Survey No. 6
Index No. 0312

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

(P5628–500) 2

Town, Johnston City
Local Authority, Cathie (Mine Manager)
Level: Auth., R.E. Corbin (Engr)
Method,
R. R., C&EI, C.B.&Q
Location: authority, Mine map in office

Surface alt., 439.04 ft.
Depth to coal, 276 ft.
Alt. top coal, 163.04 ft.
Thickness: Av. 120 in.
Max. 132 in., Min. 84 in.

R. 3E
T. 8 S
Sec. 12
(Show R. R.)

Operator | Mine Name or No.

19 21 Old Ben Coal Corp | No. 18

Successor to
Date
Succeeded by
Date
Succeeded by
Date

## PRODUCTION.

| 19 | | U. S. No. |
|---|---|---|
| | 1200-1500 ton daily. | |

Geol. Notes? Yes Coop. No. Coal secs? 3
Analyses No. 12752-3-4

Examined by Netzeband Ref. Loose leaf

Coal bed name: Local
County Williamson
Survey No. 6
Index No. 0312.60

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

Duplicate.

Mine Name or No., Old Ben No. 18

mile from

Operator, 191 Old Ben Coal Corp.

Operator, 191


Entrance, Shaft Elev., 439.04 ft. { above, below, sea level

Depth to ~~bottom coal~~, 276 ft. Alt. 163.04

SURFACE DATA.

A. Topography, Flat, somewhat swampy See

B. Surficial materials. (1) Character, Clay

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

See

C. Outcrops, (1) Character, See

(2) Structure, See

(3) Fossil horizons, See

Collection No.,

(4) Evidences of subsidence, See

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, Old Ben #18 Co. Williamson Index No. 0312-60

L.—SURFACE SHEET (Geol.)

F. Thickness of rock above bed worked, Not Known
(1) Important variations,

See

G. Note presence of strata having important effect on mining,
Shale above coal. Hard to hold See
(1) Position, Above coal
(2) Character, Light grey sandy shale;
(3) Persistence, Throughout mine
(4) Other workable coal beds,

See

H. Cap rock, Limestone reported.
(1) Thickness, ?
(2) Height above coal, ? +40'

See

I. Immediate roof, Shale
(1) Thickness, +40'? (2) Contact with coal, Clean & regular
(3) Horizontal variation, Occurs throughout mine but coal left as roof See X3

J. Draw slate. (1) Thickness, (2) Contacts None
(3) Persistence,

K. Coal bed: Max. 132 Min. 84 Av. 120 inches
(1) Benches, Three
(a) Position, 18" top coal, middle coal to B.B., bottom coal below B.B.
(b) Persistence, Reported that B.B. pinches out in places. See
(2) Bedded impurities, kind, position in benches, persistence, ease of separation. Charcoal & clay Blue band thin (¾ to 1") but coal sticks to it in some parts of mine & much coal is lost. Reported that blue band pinches out in some places See
(3) Irregularities in continuity of bed (due to deposition, erosion, or movement, Swags, faults See X1, 2, 3
(a) Effect on mining, Much coal is lost in fault. Entries in rock See X3

| SECTION | | | | |
|---|---|---|---|---|
| Ft. | In. | Name | Index | Sym. |
| ? | | Lime? | | |
| 40+ | | Shale | | |
| 10 | | Coal | | |
| 4 | | Fireclay | | |
| ? | | Limestone | | |
| | 1 | Div = 4" | | |

Collector, Netzaband
Mine, Old Ben #18 Co. Williamson
Coal: Survey No. 6
Index No. 0312·60

M.—UNDERGROUND SHEET (Geol.)

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

(a) Relative hardness, Coal harder than immediate district Bottom coal hardest.

(b) Lustre, Top layers of dull glance, middle bright, dull bottom

(c) Fracture, Blocky

(d) Texture, Laminated See

(6) Impurities in coal, other than bedded, Pyrite & calcite stringers & fracture fillings

(a) Kind,

(b) Position and persistence, In top coal thru out mine

(c) Rejected, No Ease of separation,

See

L. Floor: (1) Material, Fire clay 1s. below clay

(2) Thickness, 6" to 4'

(3) Variation, Varies only in thickness

(4) Note character, condition, tendency to heave, relation to undercutting commercial value. Grey shale, many slips; heaves when wet, used to undercut upon, value unknown.

See

(5) Clay sample No. Location,

M. Stratigraphy,

(1) Fossiliferous horizons underground, Plant fragment remains in charcoal partings in top coal. Shale above coal apparently non-fossiliferous.

Collection No. Location,

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

See

Collector, Netzeband Coal: Survey No. 6

Mine, Old Ben #18 Co. Williamson Index No. 0312.60

N.—UNDERGROUND SHEET (Geol.)

K3

Fault 4000' from bottom in Main E.
East side goes up 3'
Dip nearly vertical.
Strike curved but in general is N&S.
Main fault strikes N.W.

Main Fault 200' from face of Main N.E.
Coal on N.E side 32' from bottom of up thrown side to top of down thrown side
Gouge filled with calcite stringers.
Coal on S.W. side pulled down. Coal shattered near fault. Strike N36°W Dip 10° N.E.
Many parallel slips on either side main fault.
Fault well shown in back East entry.
1800' from bottom in N.E. entry Strike N
Dip 25° N.E. 1½' from bottom of upthrown side to top of down thrown side.
S.W. down thrown.

3rd East 3000' from bottom
Same dip as Main E. Strike S30E
Bottom of upthrown side about 6" above top of down thrown side.

Collector Natzeband
X- 1
EXTRA NO. 1
Index No. 0312·60
County Williamson

INDEX (36713—500—7-20)

K3


Collector Netzeband Index No. 0312-60

X- 2 EXTRA NO. 2 County Williamson

K3 Swag causes coal to drop 6'. The swag is about 300' long. The coal is full thickness About 700' from bottom in Main East entry.

K3a The main fault in the NE. entry has forced them to drill thru shale for nearly 1000' without recovering any coal. Heavy timbering is also required as the shale is pretty much shattered and the falls go up to 30' once they start. It has been found the best policy to timber heavy before a fall is started.

I3 A coal roof has been left whererever possible but in some places the coal is too thin and in others the coal will not stand. In either case the roof is then a light grey sandy shale (the whitetop of other miners) which requires heavy timbering to hold. The shale is full of slips and comes down without warning unless carefully watched.

As in other mines in the district the roof in the E-W. entries & rooms stands better than those running N-S, but it is not always true. There are many exceptions.

Collector Netzeband Index No. 0312.60
X- 3 EXTRA NO 3 County Williamson

App loc: 650' from W line, 700' from N line, sec 18, T8S, R7E (E.T.B.)

Operator, Old Ben Coal Corp. Date June 17, 1921

Mine, No 18 Sec. 12 T. 8S R. 3E

Located, 1½ miles from Johnson City

Location in mine, Main E Back Entry, 100' from face

| GRAPHIC SECTION In. | | No. | DESCRIPTION OF SECTION (AT POINT SAMPLED) No. (Note character and thickness of roof) | Inches |
|---|---|---|---|---|
| 18 | | | Shale<br>Coal Roof 18" | |
| | | | 1 Coal | 29 |
| | | | 2 Charcoal | ⅛ |
| | | | 3 Coal | 24 |
| | | | 4. Shale | ¼ |
| | | | 5. Coal | 9 |
| 29 | | 1 | 6 BB. shale | 1 |
| | | | 7 Coal | 10 |
| | | | 8 Coal | 5 |
| | | | 9 S. Pyrite | 1 |
| ⅛ | | 2 | | |
| 24 | | 3 | | |
| | | | 83" | |
| ¼ | | 4 | | |
| 9 | | 5 | | |
| 1 | | 6 | (Note character and thickness of floor) | |
| | | | Total thickness of coal. | 101 |
| 19 | | 7 | (coal sweating) | |
| | | | Condition, As mined Time, hr. min. | |
| | | | Wt. Gross, 25 lbs. Net, lbs. | |
| | | | What Nos. shipped by Co.? | |
| 5 | | 8 | | |
| 1 | | 9 | | |
| | | | Excluded from sample: No. 6, 9 | |
| | | | Sample represents 81 in. tons. | |
| | | | Impurities? How do they occur? | |

Sample No. 1 Can No. W-21-33 Lab. No. 12752

Collector, Wilson Coal: Survey No. 6

Mine, Old Ben #18 Co. Williamson Index No. 0312:60

R.—COAL SAMPLE SHEET.

2100' from N. line, 1200' from E line, sec 12, T8S, R2E (app. loc. - E.T.B.)

Operator, Old Ben Coal Corp. Date June 17, 1921

Mine, No 18 Sec. 12 T. 8S R. 3E.

Located, 1½ miles from Johnson City

Location in mine, Face of Main N.E.

| GRAPHIC SECTION In. | | No. | DESCRIPTION OF SECTION (AT POINT SAMPLED) No. | (Note character and thickness of roof) | Inches |
|---|---|---|---|---|---|
| | | | | Shale | |
| 18 | | | | Coal Roof | 18" |
| | | | 1 | Coal | 15 1/8 |
| | | | 2 | Charcoal | |
| 15 | | 1 | 3 | Coal | 33 1/2 |
| | | | 4 | Shale | |
| 1/8 | | 2 | 5 | Coal | 15 1/2 |
| | | | 6 | Shale | 1/2 |
| | | | 7 | Coal | 11 1/2 |
| | | | 8 | Charcoal | |
| | | | 9 | Coal | 10 |
| 33 | | 3 | | | 82" |
| 1/2 | | 4 | | | |
| 15 1/2 | | 5 | | | |
| 1/2 | | 6 | | (Note character and thickness of floor) Total thickness of coal. | 100 |
| 11 | | 7 | | (coal sweating) | |
| 1/2 | | 8 | Condition, As Mined | Time, hr. | min. |
| 10 | | 9 | Wt. Gross, 25 lbs. | Net, lbs. | |
| | | | What Nos. shipped by Co.? | | |
| | | | Excluded from sample: No. 4 6 | | |
| | | | Sample represents 81 in. | | tons. |
| | | | Impurities? How do they occur? | | |

Sample No. 2 Can No. W-21-34 Lab. No. 12753

Collector, Wilson Coal: Survey No. 6

Mine, Old Ben #18 Co. Williamson Index No. 0312.60

R.—COAL SAMPLE SHEET.

1700' from W line, 650' from N line, sec 12, T 8S, R 2E (app. loc. - E.T.B.

Operator, Old Ben Coal Corp. Date June 17, 1921

Mine, No 18 Sec. 12 T. 8S R. 3E

Located, 1½ miles from Johnson City

Location in mine, Face of Main N.W., 4500' from bottom

| GRAPHIC SECTION In. | | No. | No. | DESCRIPTION OF SECTION (AT POINT SAMPLED) (Note character and thickness of roof) | Inches |
|---|---|---|---|---|---|
| 18 | | | | Shale Coal Roof Reptd. 18" | |
| | | | 1 | Coal | 2 |
| | | | 2 | Charcoal | ½ |
| ½ | | 1½ | 3 | Coal | 34 |
| | | | 4 | Charcoal | ¼ |
| | | | 5 | Coal | 19 |
| | | | 6 | Charcoal | ⅛ |
| | | | 7 | Coal | 11 |
| 34 | | 3 | 8 | BB shale | 2 |
| | | | 9 | Coal | 20 |
| | | | 10 | Coal | 6 |
| ¼ | | 4 | | 84" | |
| 19 | | 5 | | | |
| ⅛ | | 6 | | | |
| 11 | | 7 | | (Note character and thickness of floor) | |
| 2 | | 8 | | Total thickness of coal. | 102 |
| 20 | | 9 | | | |
| 6 | | 10 | | | |

Condition, As Mined (Coal sweating) Time, hr. min.

Wt. Gross, 25 lbs. Net, lbs.

What Nos. shipped by Co.?

Excluded from sample: No. 8

Sample represents 82 in. tons.

Impurities? How do they occur?

Sample No. 3 Can No. W-21-35 Lab. No. 12754

Collector, Wilson Coal: Survey No. 6

Mine, Old Ben #18 Co. Williamson Index No. 0312: 60

R.—COAL SAMPLE SHEET.

Old Ben No. 18 February 14, 1934

Sample No 1 — Can No. 31 (1015)
Face of 12th S off 7th E off Main NE
3000' from W line, 2100' from N line,
sec 7, T8S, R3E
Thickness of section cut (by rule measurement = 80"
Top coal left up here - at this place is 12"
Floor here is dk gray, soft fireclay 1'-3' thick
Tape measurement of section = 81 1/32
Coal undercut at this place about 15" below
blueband - leave a few inches coal for floor
Coal damp and sweating in spots

Sample No. 2 — Can No. 45 (1021)
Face of 2nd N off 10th E off Main NE
250' from S line, 325' from W line, sec 6, T8S, R3E
715' N off 10th E; 2nd N turned about 700' E off
Main NE
Thickness of section cut (by rule measurement) = 97"
Thickness of section cut (by tape) = 98 17/32
Roof here is gray, micaceous, oaly shale - coal Taken
down to roof
Floor is hard, gray, fireclay - coal undercut right
on fireclay
Blueband is 14" above floor here (rule measured)
Much more pyrite and dull coal here than
in 7th E where vitrain bands were thick
and prominent

Sample No. 3 — Can No. 18 (46) (1014)
Face of Room 6 off 6th S off 9th E off Main NW
2125' from E line, 1900' from N line, sec 12, T8S, R2E
Height of section cut (by rule measurement) = 98"
Height of section cut (by tape) = 100 13/32
Roof here is very dark, carbonaceous shale, thinly
laminated, few plant fossils
Floor - 8" of bitton coal poor + bony - leave it
for floor over 15" soft, grey fireclay
More pyrite here than in either of 2 previous

Old Ben No. 18 February 15, 1934

Sample No. 4 Can No. 14 (1018)
Face of Back entry (airway) of Main NW
125' from S line, 1700' from W line, sec 1, T8S, R2E
Thickness of section cut (by rule measurement) = 92"
Thickness of section cut (by tape) = 96½"
Roof here is top coal - 18" thick at this place - this coal is left up in entries to serve as roof but in rooms is taken down
Floor here is dark gray fireclay, 12" to 16" thick. Smooth and hard. Makes excellent floor.

Old Ben No. 18 General Data

This is electric hoist mine with cage hoist. Averages about 3 hoists a minute or sometimes 7 hoists per 2 minutes.

It a conveyor loaded mine. No hand loading in any section. 106 conveyors in all.

Electric haulage in all parts of mine. Use gathering locomotives from partings into each panel. 4 mainline motors

1 - 22 Ton Westinghouse - 7th E
1 - 20 ton Jeffrey - 9th E
1 - 20 ton Westinghouse - 9th E off MNW
1 - 20 " " - 17th W

Grades vary in mine but those in NE seem to be greatest. Trips here vary from 12 - 18 in the 9th E, and 25 - 35 in 9th E.

In 3rd & 4th S off 9th E off Main NW a 10' fault has been struck where coal is extremely bright and bands are in some case undesirable. Coal is extremely hard also.

In the 15th & 16th South off the 7th E (in old No. 17 territory) where new development is being done, the coal has a split in it. 2'-3' of rock comes in so that there is 5' or less of coal beneath the rock and 18-24" above it. This split is about 100' wide and trends NW-SE parallel to faults in mine. Coal here is dirty and is being worked only because of development work ahead.

The coal in this mine is shot down entirely with Cardox. The holes are drilled 6 holes to a place by portable electric drills. The holes are three inches in diameter and 6'-8' deep. The holes are not tamped after shell is placed in hole. Shells often shoot out of holes and cause damage to doors, ribs, and props.

Operator, Old Ben Coal Corporation Date February 14, 1934

Mine, No. 18 Sec. 12 T. 8S, R. 2E

Location in mine, Face of 12th S off 7th E off Main NE
3000' from W line, 2100' from N line, sec 7, T8S, R3E

| GRAPHIC SECTION | | | DESCRIPTION OF SECTION (AT POINT SAMPLED) | |
|---|---|---|---|---|
| In. | | No. | No. (Note character and thickness of roof) | Inches |
| | | | Roof: 12" Top coal underlying gray shale | |
| | | | 1 Coal | 1 5/32 |
| | | | 2 Clay seam | 3/16 |
| | | | 3 Coal | 1 |
| | | | 4 Vitrain | 3/4 |
| | | | 5 Coal | 2 3/8 |
| | | | 6 Durain | 25/32 |
| | | | 7 Coal | 7 11/16 |
| | | | 8 Vitrain | 7/16 |
| | | | 9 Coal | 4 1/8 |
| | | | 10 Vitrain | 3/32 |
| | | | 11 Coal | 11/16 |
| | | | 12 Vitrain | 27/32 |
| | | | 13 Coal | 4 7/16 |
| | | | 14 Fusain | 1/4 |
| | | | 15 Coal | 2 3/4 |
| | | | 16 Vitrain | 29/32 |
| | | | 17 Coal | 3 5/32 |
| | | | (over) (Note character and thickness of floor) | |
| | | | Total thickness of coal | 81 1/32 |

(1 division = 3 in.)

Condition, Dry Time, 1 hr. min.

Wt. Gross, 40 lbs. Net, lbs.

What Nos. shipped by Co.? 1, 3-17, 19, 21-27, 29-47, 49-55

Excluded from sample: No. 2, 18, 20, 28, 48

Sample represents 79 11/32 in. tons.

Impurities? How do they occur? Clay and bone coal bands, pyritic fusain partings

Sample No. 1 Can No. 31 (1015) Lab. No.

Collector, E. T. Benson & R. A. McClevey Coal: Survey No. 6

Mine, No. 18 Old Ben Co. Williamson Index No. 0312.5a

R.—COAL SAMPLE SHEET.

| | | | |
|---|---|---|---|
| 18 | Pyritic fusain | | 5/32 |
| 19 | Coal | | 13/16 |
| 20 | Pyritic fusain | | 3/32 |
| 21 | Coal | 1 | [illegible] |
| 22 | Vitrain | 1 | 7/16 |
| 23 | Coal | 4 | 1/8 |
| 24 | Vitrain | | 1/4 |
| 25 | Fusain | | 9/32 |
| 26 | Vitrain | 1 | 5/16 |
| 27 | Coal | | 11/32 |
| 28 | Bone coal | | 9/32 |
| 29 | Vitrain | | 7/8 |
| 30 | Coal | 2 | 5/8 |
| 31 | Vitrain | 1 | 5/32 |
| 32 | Alternating bands-¼" Clarain & Durain | 3 | 3/16 |
| 33 | Fusain, hard | | 1/4 |
| 34 | Coal | 2 | 1/8 |
| 35 | Fusain, soft | | 5/16 |
| 36 | Coal | 3 | 1/16 |
| 37 | Fusain | | 1/4 |
| 38 | Vitrain | | 3/8 |
| 39 | Clarain | 1 | 5/32 |
| 40 | Durain | | 19/32 |
| 41 | Vitrain | | 27/32 |
| 42 | Coal | 1 | 11/16 |
| 43 | Vitrain | | 5/8 |
| 44 | Clarain | | 1/2 |
| 45 | Fusain | | 1/8 |
| 46 | Vitrain | | 3/4 |
| 47 | Coal | 2 | 29/32 |
| 48 | Blue band | | 31/32 |
| 49 | Coal | 4 | |
| 50 | Vitrain | | 11/32 |
| 51 | Coal | | 11/16 |
| 52 | Vitrain | | 11/32 |
| 53 | Coal | 4 | 1/4 |
| 54 | Vitrain | | 15/32 |
| 55 | Coal | 3 | 21/32 |
| | Total | 81 | 1/32 |

Floor: Fireclay, gray, soft 1'-3' thick

Operator, Old Ben Coal Corporation Date February 14, 1934

Mine, No. 18 Sec. 12 T. 8S R. 2 E.

Location in mine, Face of 2nd N off 10th E off Main NE
250' from S line, 325' from W line, sec 6, T8S, R3E

| GRAPHIC SECTION | | | DESCRIPTION OF SECTION (AT POINT SAMPLED) | |
|---|---|---|---|---|
| In. | | No. | No. (Note character and thickness of roof) | Inches |
| | | | Roof: Shale, gray, coaly, micaceous | ~~2 17/32~~ |
| | | | 1 Coal | 2 17/32 |
| | | | 2 Vitrain | 7/32 |
| | | | 3 Durain | 1/2 |
| | | | 4 Clarain with ¼" vitrain bands | 3 15/16 |
| | | | 5 Durain | 21/32 |
| | | | 6 Coal | 8 3/16 |
| | | | 7 Pyrite | 1/8 |
| | | | 8 Coal | 5 3/4 |
| | | | 9 Fusain | 3/32 |
| | | | 10 Durain | 1 27/32 |
| | | | 11 Coal | 3 1/2 |
| | | | 12 Vitrain | 11/32 |
| | | | 13 Coal | 1 1/4 |
| | | | 14 Fusain | 1/16 |
| | | | 15 Coal | 23/32 |
| | | | 16 Fusain | 3/32 |
| | | | 17 Coal | 2 5/16 |
| | | | 18 Vitrain | 13/32 |
| | | | 19 Coal | 1 15/16 |
| | | | (Over) | |
| | | | (Note character and thickness of floor) | |
| | | | Total thickness of coal. | 98 17/32" |

Condition, Dry Time, 1 hr. 10 min.

Wt. Gross, 40 lbs. Net, lbs.

What Nos. shipped by Co.? 1-6, 8-65, 67-73

Excluded from sample: No. 7, 66

Sample represents 97 7/32 in. tons.

Impurities? How do they occur? Blueband, persistent clay band; thin pyrite band; calcite facings

(1 division=3 in.)

Sample No. 2 Can No. 45 (1021) Lab. No.

Collector, E. T. Benson & R. A. McClevey Coal: Survey No. 6

Mine, Old Ben No. 18 Co. Williamson Index No. 0312.5a

R.—COAL SAMPLE SHEET.

(12759—1000—2-29)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 20 | Vitrain | | 5/16 | 47 | Clarain | | | 1/8 |
| 21 | Coal | 1 | 25/32 | 48 | Vitrain | | | 13/32 |
| 22 | Fusain | | 5/32 | 49 | Coal | | 7 | 1/16 |
| 23 | Coal | 3 | 3/8 | 50 | Vitrain | | | 3/16 |
| 24 | Fusain lens | | 1/8 | 51 | Durain | | | 5/32 |
| 25 | Coal | 3 | 11/16 | 52 | Vitrain | | | 3/8 |
| 26 | Fusain | | 1/16 | 53 | Durain | | | 9/32 |
| 27 | Coal | 1 | 11/16 | 54 | Vitrain | | | 9/32 |
| 28 | Fusain | | 3/8 | 55 | Durain | | | 7/32 |
| 29 | Coal | 2 | 3/16 | 56 | Vitrain | | | 7/32 |
| 30 | Vitrain | | 3/8 | 57 | Clarain | | | 9/16 |
| 31 | Coal | | 25/32 | 58 | Vitrain | | | 5/32 |
| 32 | Fusain | | 1/8 | 59 | Coal | | 1 | 1/16 |
| 33 | Coal | 1 | 15/32 | 60 | Vitrain | | | 3/16 |
| 34 | Fusain | | 7/32 | 61 | Coal | | 2 | 0 |
| 35 | Clarain | | 1/8 | 62 | Durain | | 1 | 1/8 |
| 36 | Vitrain | | 1/8 | 63 | Coal | | 2 | 1/4 |
| 37 | Coal | 4 | 1/4 | 64 | Vitrain | | | 3/16 |
| 38 | Fusain | | 1/32 | 65 | Coal | | 6 | 1/32 |
| 39 | Coal | | 31/32 | 66 | Blue band | | 1 | 3/16 |
| 40 | Fusain | | 1/32 | 67 | Coal | | 4 | 0 |
| 41 | Coal | | 17/32 | 68 | Durain | | | 3/4 |
| 42 | Fusain | | 1/2 | 69 | Coal | | 1 | 27/32 |
| 43 | Coal | 2 | 3/16 | 70 | Vitrain | | | 11/32 |
| 44 | Vitrain | | 5/32 | 71 | Coal | | 1 | 13/32 |
| 45 | Coal | 1 | 11/32 | 72 | Vitrain | | | 3/16 |
| 46 | Vitrain | | 9/32 | 73 | Coal | | 3 | 19/32 |
| | | | | | Total | 98 | | 17/32 |

Floor: hard, gray, fireclay 2'±

Operator, Old Ben Coal Corporation Date February 14, 1933
Mine, No. 18 Sec. 12 T. 8S R. 2E
Location in mine, Face of Room 6 off 6th S off 9th E off Main NW
2125' from E line, 1900' from N line, sec 12, T8S, R2W

| GRAPHIC SECTION | | | DESCRIPTION OF SECTION (AT POINT SAMPLED) | |
|---|---|---|---|---|
| In. | | No. | No. (Note character and thickness of roof) | Inches |
| | | | Roof: shale, vy dk, carb, thn lam, plant fossils | |
| | | 1 | Coal | 7/16 |
| | | 2 | Hard pyritic fusain | 1/8 |
| | | 3 | Coal | 7/16 |
| | | 4 | Clay parting | 1/32 |
| | | 5 | Coal | 15/32 |
| | | 6 | Clay parting | 1/32 |
| | | 7 | Coal | 3/8 |
| | | 8 | Vitrain | 17/32 |
| | | 9 | Coal | 13/16 |
| | | 10 | Vitrain | 23/32 |
| | | 11 | Coal | 5/8 |
| | | 12 | Vitrain | 5/32 |
| | | 13 | Coal | 3 5/16 |
| | | 14 | Fusain | 5/16 |
| | | 15 | Vitrain | 7/8 |
| | | 16 | Coal | 1 19/32 |
| | | 17 | Vitrain | 1/4 |
| | | 18 | Coal | 1 11/16 |
| | | 19 | Pyrite | 1/16 |
| | | | (Over) | |
| | | | (Note character and thickness of floor) | |
| | | | Total thickness of coal. | 100 13/32 |

(1 division=3 in.)

Condition, Dry Time, 1 hr. min.
Wt. Gross, 40 lbs. Net, lbs.
What Nos. shipped by Co.? 1,3,5,7-18, 20-25, 27-40, 42-65, 67, 69-94, 96-106
Excluded from sample: No. 2, 4, 6, 19, 26, 41, 66, 68, 95
Sample represents 98 13/16" in. tons.
Impurities? How do they occur? Thin clay bands, BB, thin boney bands, pyrite bands, calcite facings

Sample No. 3 Can No. 46 (1014) Lab. No.

Collector, ~~Old Ben~~ E.T. Benson & E.T. Benson Coal: Survey No. 6
Mine, Old Ben No. 18 Co. Williamson Index No. 0312.5

R.—COAL SAMPLE SHEET. (12759—1000—2-29) 7

| | | | |
|---|---|---|---|
| 20 | Coal | 2 | 15/32 |
| 21 | Vitrain | | 5/16 |
| 22 | Coal | | 1/2 |
| 23 | Fusain | | 1/16 |
| 24 | Vitrain | | 1/4 |
| 25 | Pyrite | | 1/32 |
| 26 | Coal | 4 | 1/4 |
| 27 | Vitrain | | 5/16 |
| 28 | Coal | 1 | 1/16 |
| 29 | Vitrain | | 13/32 |
| 30 | Durain | | 5/32 |
| 31 | Vitrain | | 1/16 |
| 32 | Coal | 3 | 0 |
| 33 | Fusain | | 5/32 |
| 34 | Coal | 2 | 31/32 |
| 35 | Fusain | | 3/8 |
| 36 | Coal | | 3/8 |
| 37 | Fusain | | 11/32 |
| 38 | Coal | 1 | 3/16 |
| 39 | Vitrain | | 3/8 |
| 40 | Coal | 5 | 5/32 |
| 41 | Boney coal | | 1/16 |
| 42 | Coal | | 11/16 |
| 43 | Fusain | | 3/8 |
| 44 | Coal | 1 | 19/32 |
| 45 | Vitrain | | 13/32 |
| 46 | Coal | 2 | 3/8 |
| 47 | Vitrain | | 5/32 |
| 48 | Coal | 2 | 3/32 |
| 49 | Vitrain | | 5/16 |
| 50 | Coal | 1 | 1/8 |
| 51 | Fusain | | 3/16 |
| 52 | Coal | 3 | 3/32 |
| 53 | Vitrain | | 7/16 |
| 54 | Coal | 1 | 5/16 |
| 55 | Fusain | | 1/4 |
| 56 | Clarain | | 5/32 |
| 57 | Vitrain | | 15/32 |
| 58 | Coal | 1 | 11/32 |
| 59 | Vitrain | | 3/16 |
| 60 | Coal | | 15/32 |
| 61 | Vitrain | | 1/16 |
| 62 | Fusain | | 5/32 |
| 63 | Coal | 1 | 29/32 |
| 64 | Vitrain | | 7/16 |
| 65 | Coal | 2 | 15/32 |
| 66 | Boney coal | | 3/32 |
| 67 | Vitrain | | 11/32 |
| 68 | Boney coal | | 1/32 |
| 69 | Vitrain | | 9/16 |
| 70 | Durain | | 1/4 |
| 71 | Vitrain | | 11/32 |
| 72 | Durain | | 1/8 |
| 73 | Coal | 1 | 15/32 |
| 74 | Vitrain | | 1/4 |
| 75 | Clarain | | 7/32 |
| 76 | Vitrain | | 9/32 |
| 77 | Clarain | | 3/32 |
| 78 | Vitrain | | 17/32 |
| 79 | Clarain | | 5/16 |
| 80 | Vitrain | | 1/2 |
| 81 | Clarain | | 11/32 |
| 82 | Vitrain | | 5/32 |
| 83 | Clarain | | 7/8 |
| 84 | Vitrain | | 1/4 |
| 85 | Durain | 1 | 7/16 |
| 86 | Coal | 4 | 1/4 |
| 87 | Durain | | 13/16 |
| 88 | Clarain | | 15/32 |
| 89 | Vitrain | | 9/16 |
| 90 | Coal | 2 | 21/32 |
| 91 | Vitrain | | 15/32 |
| 92 | Coal | 1 | 7/8 |
| 93 | Vitrain | | 7/16 |
| 94 | Coal | 1 | 1/16 |
| 95 | Blue band | 1 | 1/8 |
| 96 | Coal | 2 | 5/8 |
| 97 | Fusain | | 17/32 |
| 98 | Coal | 1 | 5/16 |
| 99 | Fusain | | 11/32 |
| 100 | Coal | 3 | 25/32 |
| 101 | Vitrain | | 3/16 |
| 102 | Coal | 2 | 11/32 |
| 103 | Vitrain | | 5/32 |
| 104 | Coal | 2 | 0 |
| 105 | Vitrain | | 21/32 |
| 106 | Coal | 2 | 11/16 |
| | Total | 100 | 13/32 |

Operator, Old Ben Coal Corporation Date February 15, 1934
Mine, No. 18 Sec. 12 T. 8S R. 2E
Location in mine, Face of Main NW airway
125' from S line, 1700' from W line, sec 1, T8S, R2E

| GRAPHIC SECTION In. | No. | DESCRIPTION OF SECTION (AT POINT SAMPLED) (Note character and thickness of roof) | Inches |
|---|---|---|---|
| | | Roof: Top coal - 18" left up | |
| | 1 | Coal | 11/32 |
| | 2 | Vitrain | 3/16 |
| | 3 | Coal | 1 1/2 |
| | 4 | Vitrain | 13/32 |
| | 5 | Coal | 2 5/32 |
| | 6 | Vitrain | 5/8 |
| | 7 | Coal | 3 3/4 |
| | 8 | Boney coal | 15/32 |
| | 9 | Vitrain | 1 3/32 |
| | 10 | Clarain | 1/32 |
| | 11 | Durain | 13/32 |
| | 12 | Coal | 2 1/8 |
| | 13 | Pyrite lens | 5/16 |
| | 14 | Clarain | 5/32 |
| | 15 | Vitrain | 11/16 |
| | 16 | Clarain | 5/16 |
| | 17 | Vitrain | 11/16 |
| | 18 | Coal | 1 9/16 |
| | 19 | Vitrain | 5/16 |
| | 20 | Durain | 19/32 |
| | 21 | Coal | 2 3/16 |
| | | (Note character and thickness of floor) (Over) | |
| | | Total thickness of coal. | 96 1/2 |

(1 division=3 in.)

Condition, Dry Time, 1 hr. 15 min.
Wt. Gross, 40 lbs. Net, lbs.
What Nos. shipped by Co.? 1-7, 9-12, 14-58, 60-84, 86-92, 94-110
Excluded from sample: No. 8, 13, 59, 85, 93
Sample represents 93 23/32 in. tons.
Impurities? How do they occur? Pyrite lense & fusain Blue band, thin bone coal bands, calcite facing

Sample No. 4 Can No. 14(1018) Lab. No.
Collector, E.T. Benson, R.A. McClevey, P. Richards Coal: Survey No. 6
Mine, Old Ben 18 Co. Williamson Index No. 0312.5a

R.—COAL SAMPLE SHEET.

(12759—1000—2-29)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 22 | Vitrain | | 5/16 | 67 | Durain | | 23/32 |
| 23 | Clarain | | 5/16 | 68 | Vitrain | | 1/8 |
| 24 | Fusain | | 1/8 | 69 | Clarain | | 5/16 |
| 25 | Clarain | | 1/2 | 70 | Vitrain | | 1/4 |
| 26 | Fusain | | 3/16 | 71 | Clarain | | 1/2 |
| 27 | Clarain | | 11/32 | 72 | Vitrain | | 3/32 |
| 28 | Fusain | | 1/8 | 73 | Durain | 1 | 27/32 |
| 29 | Clarain | | 3/16 | 74 | Vitrain | | 9/32 |
| 30 | Fusain | | 1/8 | 75 | Clarain | | 13/32 |
| 31 | Coal | 1 | 21/32 | 76 | Vitrain | | 1/4 |
| 32 | Fusain | | 5/32 | 77 | Clarain | 1 | 1/8 |
| 33 | Clarain | | 3/16 | 78 | Vitrain | | 27/32 |
| 34 | Vitrain | | 3/16 | 79 | Clarain | | 15/16 |
| 35 | Coal | 3 | 3/32 | 80 | Vitrain | | 3/16 |
| 36 | Vitrain | | 9/32 | 81 | Clarain | | 19/32 |
| 37 | Durain | | 15/32 | 82 | Vitrain | | 1/8 |
| 38 | Clarain | 1 | 1/32 | 83 | Durain | | 13/32 |
| 39 | Vitrain | | 5/32 | 84 | Vitrain | | 5/32 |
| 40 | Clarain | | 13/32 | 85 | Pyritic Fusain | | 9/32 |
| 41 | Fusain | | 3/32 | 86 | Vitrain | | 1/8 |
| 42 | Coal | 4 | 21/32 | 87 | Durain | | 13/16 |
| 43 | Vitrain | | 1/32 | 88 | Coal | | 7/16 |
| 44 | Clarain | | 21/32 | 89 | Vitrain | | 7/32 |
| 45 | Vitrain | | 17/32 | 90 | Coal | 1 | 1/4 |
| 46 | Coal | 2 | 1/2 | 91 | Vitrain | | 15/32 |
| 47 | Vitrain | | 11/32 | 92 | Coal | 2 | 1/16 |
| 48 | Clarain | | 9/32 | 93 | Blue band | 1 | 7/16 |
| 49 | Fusain | | 11/32 | 94 | Coal | | 13/32 |
| 50 | Clarain | | 13/32 | 95 | Vitrain | | 15/32 |
| 51 | Vitrain | | 17/32 | 96 | Coal | | 23/32 |
| 52 | Coal | 1 | 31/32 | 97 | Vitrain | | 15/32 |
| 53 | Vitrain | | 11/16 | 98 | Coal | 2 | 1/8 |
| 54 | Coal | 1 | 21/32 | 99 | Vitrain | | 21/32 |
| 55 | Fusain | | 3/16 | 100 | Coal | 4 | |
| 56 | Coal | 3 | 21/32 | 101 | Vitrain | | 7/16 |
| 57 | Fusain | | 3/32 | 102 | Coal | 3 | 11/32 |
| 58 | Coal | 2 | 9/16 | 103 | Vitrain | | 1/16 |
| 59 | Boney coal | | 9/32 | 104 | Coal | 1 | 1/8 |
| 60 | Coal | 1 | 11/32 | 105 | Vitrain | | 3/8 |
| 61 | Vitrain | | 5/32 | 106 | Coal | 2 | 29/32 |
| 62 | Clarain | | 1/4 | 107 | Vitrain | | 7/16 |
| 63 | Vitrain | | 3/16 | 108 | Clarain | | 3/16 |
| 64 | Clarain | | 11/32 | 109 | Vitrain | | 3/4 |
| 65 | Vitrain | | 7/32 | 110 | Coal | 2 | 25/32 |
| 66 | Clarain | | 9/32 | | Total | 96 | 1/2 |

Floor: five clay, dK gr

Location and Elevation Data

Location: Exact ✓ Approximate

(Approximate only if no trace or record of original exists)

Location by W.B. Roe

Date August 2, 1932 Notebook No. 614 Page 27(2212)

Looseleaf ref.

Map files No. 14-100-45

Description of location

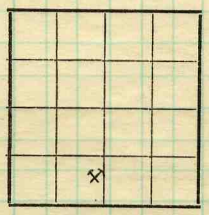
Position in sec., ¼ sec., 40 acres

feet from North line

2840 feet from East line

775 feet from South line

feet from West line



Sec. 12

T. 8 S.

R. 2 E.

Other description:

Farm

No.

Company Old Ben Coal Corporation

No. 18 mine

County No. 6

Elevation 437.0 ft.

By W.B. Roe

Method: Level, transit, alidade, hand level

Plane table and alidade

Elevation of Ground (2' below top of curb)

Height of point above ground

Date August 2, 1932 Notebook 614 P. 27(2212)

Looseleaf ref.

Map files No. 14-100-45

Description of item: (drill hole, mine, etc.) Air shaft - active shipping mine

SHIPPING MINE

| County | Quadrangle | Index No. |
|---|---|---|
| Williamson | W. Frankfort | 0312.5b |