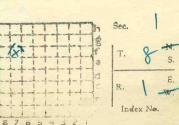
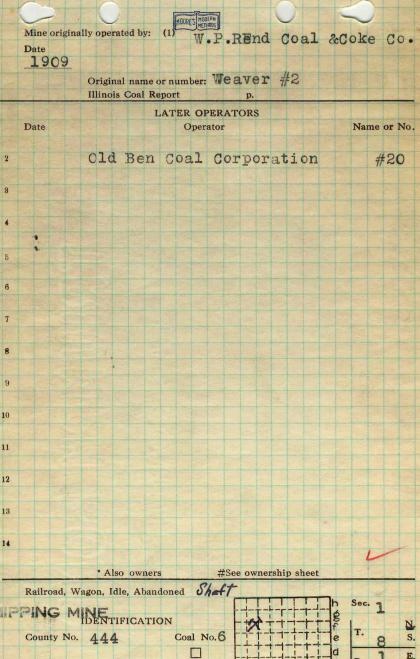
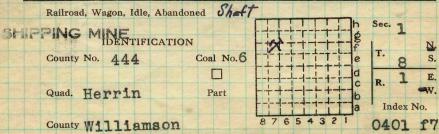


Location sheet filed.

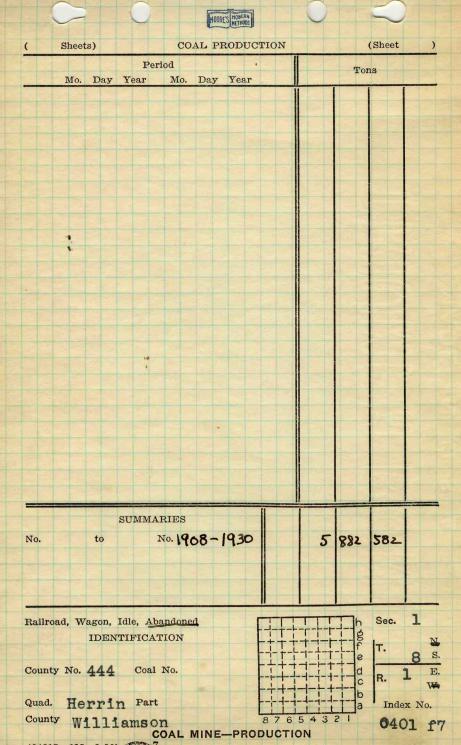
010 BEN #26 112 437 444 BM 28







COAL MINE OPERATOR (3106-21531) 3



Town, Rendeville Surface alt., 394 ft. Depth to coal, 190(210) ft. Local Authority, Alt. top coal, 204 ft. Thickness: Av. //8
Max./2,4 in., Min./03 Level: Auth., in. in. Method. R. R., J. C. & C.B. 84 Location: authority, Thes. Lewi (Show R W.P. Rend Coal and Coke Co Mine Name or No. Mo. a (hear 19 Successor to Date Succeeded by Date Succeeded by Date PRODUCTION. 19 Geol. Notes? Y Coop. No. Coal secs? Analyses No. Examined by Ref. Survey No. 6 Coal bed name: Local County Will 040 Index No. K .- ACTIVE SHIPPING OR LOCAL COAL MINE. (P5628-500)

Surface alt., 394 Left. Town, Rendsville Merrin Local Authority, And Frenchet Roy Adams. Depth to coal, 190 205 Alt. top coal, 204 189 ft. Level: Auth., TES. NB102-p15 Thickness: Av. 118 in. Max. 124 in., Min. 103 in. Jop. Blairsirele Method, H.L. SWNW R. R., I.C.; CB+2 Sec. 1 Location: authority, TES Blue print from Rend Crc. Co. (Show R. R.) GENT COAL REP /9/18 Operator 444 Mine Name or No. No. 2 (Weaver 1909 W.P. Rend Coal & Coke Co Rendville Successor to Succeeded by Old Ben Coal Corp. McConnick Bldg, Chicago. 230 So. Clark st.; Chicago. Succeeded by Date 0-PRODUCTION. U.S. No. Fiscal 1915 423 996 633 98 791 1927 Idle 1928 1929 late Geol. Notes? Yes Coop. No. 4/62 BM = 8 Coal secs.? Yes Analyses No. 28810 to 15, 30863 \$ 66 Examined by Schroger Ref. Coal bed name: Local SHIPPING MINE Survey No. 6 Index No. 0401, 27 County Williamson K .- ACTIVE SHIPPING OR LOCAL COAL MINE. Closed sense 1927

MOORE'S MODERN METHODS

MOORE'S MODERN METHODS

#### LOCATION AND ELEVATION

| Location:             | side   | R. R.         |
|-----------------------|--|---------------|
|                       | side   | R. R.         |
|                       | side Highway No.   |               |
| on top. map           | Location sheet   |               |
| Elevation: Method     | 1 Est ( ) f  | t.            |
|                       | 2. Inst. (kind Hand Level )  | 394 ft.       |
| By T.E.               | S. NB102-pl5 Data sheet  |               |
|                       | DEPTH  |               |
| Authority             | To coal .  | 205 ft.       |
| Authority             | Rail to rail .   | ft.           |
|                       | Top of coal above rail. (Est. Rule)  | 205 ft.       |
|                       | To coal  | ft.           |
| AL                    | TITUDE OF TOP OF COAL  |               |
| By estimat            | ed data  | 189           |
| By instrum            | nental data  | 103 ft.       |
| -                     | Thickness 103 in Aven 118  |               |
| Max. 124              | in. Min. 103 in. Aver. 118   | in.           |
|                       | GEOLOGICAL DATA  |               |
| Mine notes, date .    |  |               |
|                       |  |               |
| Coop No.              | Pyr. inv. Coal   | Ash inv.      |
|                       | CAMPAGIA DATA  | ++++          |
|                       | CHEMICAL DATA  | O41           |
| 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. U. I. B. M.  | Others Others |
| Ash anal.             | U. I. B. M. U. I. B. M.  | Others        |
| Classification        | Dr. At.  | Julian        |
|                       |  |               |
| Misc. tests: Cokin    | cleaning Cleaning  | Boiler        |
| Dublish of June 11    |  |               |
| Published description | ons:   |               |
| Railroad, Wagon, I    | [dle: Abandoned  |               |
| Italii oau, Waguli, I | h and a second s | Sec. 1        |
| IDENT                 | IFICATION FIRST  | T. O. R.      |
| County No. 444        | Cool No D Firth Title  | 6 S.          |
| 444                   |  | R. 1 E.       |
| Quad. Herrin          | Part ++++-C  | W             |
| County Willis         |  | Index No.     |
| 111118                | 87654321   | 0401 f7       |
|                       | COAL MINE LOCATION AND DATA  |               |

(34215—1M—3-30) ~~7



# COAL MINING INVESTIGATIONS COOPERATIVE AGREEMENT

Mine Name or No., 102 (weaver)
33 mile N.W. from Herris
Operator, 1918 W. F. Rund Coal & Coke Co.

R. R. Sec.

See

See See

See

See

Operator, 191

Entrance, Shoff. Elev., 394 ft. {above, below, Depth to bottom coal, \$10? ft. Alt./957

A. Topography Level - Museum sinks. See

B. Surficial materials, (1) Character

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

C. Outcrops, Maracter,

(2) Structure,

(3) Fossil horizons
Collection No.,

(4) Evidences of subsidence,

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

E. Notes on surrounding area, Topography organizately lerse and drings but particles benefit of the sure the

Coal bed name: Local, Survey No.6 Collector, State No.

Mine Rend #2 (Worse Co. William Coopens) O. 40

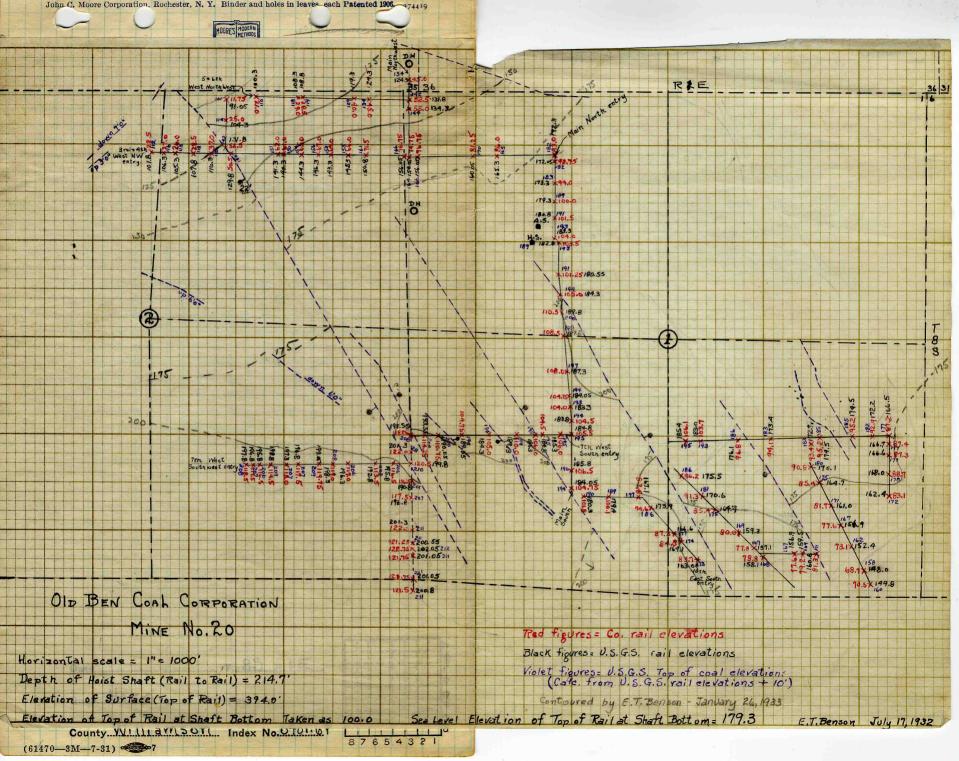
L.—SURFACE SHEET (Geol.)

|    | WOORES METHODS   |  |
|----|--|--|
|    |  |  |
| F. | Thickness of rock above bed worked,  |  |
|    | (1) Important variations,  |  |
|    |  | See                                      |
| G. | Note presence of strata having important effect                              |  |
|    |  | See                                      |
|    | (1) Position,  |  |
|    | (2) Character,   |  |
|    | (3) Persistence,   |  |
|    | (4) Other workable coal beds,  | . See                                    |
| TT | 0 1  |  |
| н. | Cap rock,  | SECTION                                  |
| Ì  | <ul><li>(1) Thickness,</li><li>(2) Height above coal,</li></ul>              | Ft. in. Name Index Sym.                  |
|    | (2) Height above coar,   |  |
| I. |  |  |
|    | (1) Thickness, (2) Contact with  | n coal,                                  |
|    |  |  |
|    | (3) Horizontal variation,  |  |
|    | See  |  |
| J. | Draw slate. (1) Thickness, (2) Contact                                       | s  |
|    |  |  |
|    | (3) Persistence, hove  |  |
|    |  |  |
| K. | Coal bed: Max. 124 Min. 103 Av. 10   | 6 inches                                 |
|    | (1) Benches, 3   | 11117                                    |
|    | (a) Position, Top benele ? !   | 7"4                                      |
| 1  | 2' left for roof   |  |
|    | (b) Persistence,   |  |
|    | Sec. (a) P. 11 1: Single hind position in bound                              |  |
|    | (2) Bedded impurities, kind, position in bench<br>tence, ease of separation. |  |
|    |  |  |
|    | Noch generosey separate  | cay                                      |
|    |  |  |
|    | grow widdle herlate, our   |  |
|    | (3) Irregularities in continuity of bed (due to                              |  |
|    | erosion, or movement,  |  |
|    | Se   | e  |
|    | (a) Effect on mining,  |  |
|    | Se   | e la |
| Co | Mector, Selwage  | Coal: Survey No.                         |
|    | ine, Rent 2 ( weary Co. Welliamin  | Index No.                                |
|    | .—UNDERGROUND SHEET (Geol.)  | 090                                      |

|     | MUURES  |                       |                  |
|-----|---|-----------------------|------------------|
| T   | (5) Dharaical character of scal in homehon                        | 0:200                 |                  |
| n.  | (5) Physical character of coal in benches, (a) Relative hardness, | on les                | dent con         |
|     | (a) Relative Hardness,  | mile dralle           |                  |
|     | (b) Lustre,   |                       |                  |
|     | (c) Fracture,   |                       |                  |
|     | (1) (7)   |                       | See              |
|     | (d) Texture, (6) Impurities in coal, other than bedded            | de south              | spangles         |
|     | (a) Kind, enless.   |                       | 10               |
|     | (b) Position and persistence,                                     |                       |                  |
|     | (b) I obtain and perbastence;                                     |                       |                  |
|     | (c) Rejected,   | Ease of separation,   |                  |
|     | (c) Rejected,   | Base of Separation,   | See              |
| Τ.  | Floor: (1) Material, Claysle                                      |                       | BCC              |
| 1.  | (2) Thickness,  | ~u                    |                  |
|     | (3) Variation,  |                       |                  |
|     | (o) , talketon,   |                       |                  |
|     | (4) Note character, condition, tendency                           | to heave relation to  | undercutting cor |
|     | mercial value.  | to neave, relation to | undercutting con |
|     | moretal vertee.   |                       |                  |
|     |   |                       |                  |
|     |   |                       |                  |
|     |   |                       |                  |
|     |   |                       |                  |
|     |   |                       |                  |
|     |   |                       | See              |
|     | (5) Clay sample No.   | Location,             |                  |
|     |   |                       |                  |
| M.  | Stratigraphy,   |                       |                  |
|     | (1) Fossiliferous horizons underground,                           |                       |                  |
|     |   |                       |                  |
|     |   |                       |                  |
|     | Collection No.  | Location,             |                  |
|     |   |                       |                  |
|     |   |                       |                  |
| N.  | Notes on effect of deep drilling in coal mi                       | ine areas.            |                  |
|     |   |                       |                  |
|     |   |                       |                  |
|     |   |                       |                  |
|     |   |                       |                  |
|     |   |                       | See              |
| Col | lector, Selvoyer  | Coal: Surv            | rey No.          |
| Mi  |   | Index No.             |                  |
|     | -UNDERGROUND SHEET (Geol.)  |                       |                  |

e

1-



Fault in y Polend ho. 2 (wearer) mine. in 3 H w. N. Entry. Fauch Trunds N. 15° + W.



| Operator, W.P. Mine, No. 2 Located, 3 <sup>3</sup> /4 | Rend Coul Coke Co. Date 8/31/18<br>Weaver) Sec. 1 T. 8 S. R. 1 E.<br>imiles from Herrin<br>Back 5 off Main S. 3200'S. of shy   |
|---|--|
| Location in mine,                                     | Back 5. off Main S. 3200'S. of shy   |
| GRAPHIC SECTION                                       | DESCRIPTION OF SECTION (AT POINT SAMPLED)  |
| In. No.   | No. (Note character and thickness of roof) Inches  |
| 16  | 1. Coal 16<br>2 Coal 68  |
| 68 : 2  | in the second se |
| 2 3 4   | 3 Blue band 2<br>4 Coal 19   |
|   | (Note character and thickness of floor)  Total thickness of coal.  |
|   | Condition, Standard Time, hr. min. Wt. Gross, 58 lbs. Net, 4 lbs. What Nos. shipped by Co.? 1, 2, 4  |
|   | Excluded from sample: No. 3 Sample represents in. tons. Impurities? How do they occur?   |
| Sample No.  | Can No. 0 Lab. No. 30863   |
| Callaston &   | Coal: Survey No. [] (Weaver) Co. [Williams Index No. 0400  |

| -   | THE REAL PROPERTY. | Constitution   |
|-----|--------------------|----------------|
|     | Manage             | MODERN METHODS |
| 300 | MUUMES             | METURDO !      |
| -   | East 100 Co        | UL HODE II     |

| GRAPH           | IC SECTI | ION DESCRIPTION OF SECTION (AT POINT SAMPLED)   |            |
|-----------------|----------|---|------------|
| In. 3-2-1-2-4-1 |          | No. No. (Note character and thickness of roof)  Roof Clay shale  1. Coal michigang top  Coal Corered at place  Joan pling  3. Blue band  4. Coal - lower hence  4.  | 7 6° 3 2 4 |
|                 | **       | (Note character and thickness of floor)  Total thickness of coal.  Condition, Sandard M.Time, hr. mi Wt. Gross, 3 lbs. Net, 4 lbs. What Nos. shipped by Co.? / 2, 4 4  Excluded from sample: No. 2, 3 4 4. Sample represents 8 5 in. tons. Impurities? How do they occur? | n.         |

R.—COAL SAMPLE SHEET.

| Locate | or, W<br>Md, 33, | 4111 | Rend Coalo Coko Co. Date Weaver Sec. T. niles from Herrin 7 W. South Entry - 2500 |  |
|--------|------------------|------|---|--|
| GRAPI  | HIC SEC          | TION | DESCRIPTION OF SECTION (AT POIN   | T SAMPLED)   |
| In.    |                  | No.  | No. (Note character and thickness of  | f roof) Inches   |
| 18     |                  | 1    | 1 Coal  | 18   |
| 42/4   |                  | 2    | 2 Coal  | 42%  |
| Y4     | •                | 3    |   |  |
| 18     |                  | 4    | 3. Mother coal<br>4. Coal<br>5. Blue band<br>6 Coal                               | 14   |
| 1/2    | - CANADA         | 45   | 4 0.00  | 18   |
| 23     |                  | 6    | 5 Blue lyand  | 11/2   |
|        |                  |      | 6 Coal  | 2.3  |
|        |                  |      | (Note character and thickness of flo  | or)  |
|        |                  |      |   | E THE RESIDENCE AND A CONTRACT OF THE RESIDENCE AND A CONTRACT |
|        |                  |      | Condition, Standard Time,   | hr. min.   |
|        |                  |      | Wt. Gross, 50 lbs. Net, 44 What Nos. shipped by Co.? 2, 3, 4                      | 1bs.   |
|        |                  |      | Excluded from sample: No. 145   |  |
|        |                  |      | Sample represents in.   | tons.  |
|        |                  |      | Impurities? How do they occur?  |  |

MOORE'S MODE

Can No. 449 Lab. No. 3086 Sample No. Collector, C. R. Schroger Coal: Survey Mine, No. 2 (Weaver) Co. Williamsey R.—COAL SAMPLE SHEET. Coal: Survey No. 0401

US13M Bull 193 p153-4

# RENDVILLE. No. 2 (WEAVER) MINE.

Analyses 30863 to 30866 (p. 34). Bituminous coal, Illinois field, from No. 2 (Weaver) mine, a shaft mine 3\frac{3}{4} miles northwest of Herrin, in sec. 1, T. 8 S., R. 1 E., on the Illinois Central and Chicago, Burlington & Quincy Railroads. Coal bed, Herrin, or No. 6; Carboniferous age, Carbondale formation. Bed varies in thickness from 8 feet 7 inches to 10 feet 4 inches. There are three benches; the top bench, 1 foot 4 inches to 2 feet of hardest coal, was left for roof. Roof, gray clay shale; floor, clay shale; cover at point of sampling, 210 feet. The bed was sampled by C. R. Schroyer on August 31, 1918, as described below:

### Sections of coal bed in No. 2 (Weaver) mine.

| Section Laboratory No.   |         | B.<br>30864  | C.<br>30865  |
|--|---------|--|--|
| Roof, "soapstone." Coal Coal "Mother coal"                           | 5 8     | 7 1 23   | Ft. in. a 1 6 3 6 1  |
| Coal. "Blue band". Coal.   | 1 7     |  | $ \begin{array}{c c} 1 & 6^{3} \\  & a & 1\frac{1}{2} \\  & 1 & 11 \end{array} $ |
| Floor, gray clay shale. Thickness of bed. Thickness of coal sampled. | 8 9 8 7 | $\begin{array}{c c} 9 & 6\frac{1}{2} \\ 7 & 1 \end{array}$ | 8 7<br>6 11½   |

#### a Not included in sample.

Section A (sample 30863) was cut in back south entry, main south, 3,200 feet south of shaft. Section B (sample 30864) was cut at face of 3 west entry, main north entry, 800 feet north and 3,600 feet west of shaft. Section C (sample 30865) was cut at face of 7 west south entry, 2,500 feet south and 1,000 feet west of shaft.

The ultimate analysis of a composite sample made by combining face samples 30863, 30864, and 30865 is given under laboratory No. 30866. At time of sampling the daily output was 2,300 tons.

Coal No. 6 Index his 0401:

#2 Meine

Welliamson

USBM Bull 173 / 154

# HERRIN. REND No. 2 MINE.

Analyses 28810 to 28815 (p. 34). Bituminous coal, Illinois field, from Rend No. 2 mine, a shaft mine, 215 feet deep,  $4\frac{1}{2}$  miles northwest of Herrin, on the Illinois Central and Chicago, Burlington & Quincy Railroads. Coal bed, Herrin, or No. 6, of Illinois Geological Survey; Carboniferous age, Carbondale formation. Bed is 7 feet 6 inches to 11 feet 6 inches thick, including about 2 feet of coal left up for roof. The bed was sampled by J. R. Fleming on June 7 to 8, 1917, as described below:

# Sections of coal bed in No. 2 mine.

| Section Laboratory No.   | A.<br>28810 | B.<br>28811  | C.<br>28812   | D.<br>28813 | E. 28814   |
|--|-------------|--|---|-------------|--|
| Roof, shale. Top chal, not sampled. Coal, banded. Coal               | 8           | Ft. in. a 1 10                                       | Ft. in.   | Ft. in.     | Ft. in. a 1 10½                                      |
| Bone Coal, with a few partings Coal, slightly laminated              | 4 4         | 4 3  | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | a 1<br>4 11 |  |
| Boné. Coal. "Blue band". Coal. Bottom coal, "sulphury". Floor, clay. | a i         | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | a 1         | 5 1  |
| Floor, clay. Thickness of bed. Thickness of coal sampled.            | 8 10<br>6 9 | 8 10<br>6 11½  | 9 4 7 ½   | 9 1 6 6     | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |

a Not included in sample.

Section A (sample 28810) was cut at face of 10 east entry, main south. Section B (sample 28811) was cut at face of 7 room, 1 south stub, 8 west, main south. Section C (sample 28812) was cut at in 12 room, 3 west, main north. Section D (sample 28813) was cut at in 2 room, 2 north panel, 2 east, main north. Section E (sample 28814) was cut in 26 room, 1 east, main south.

The ultimate analysis of a composite sample made by combining face samples 28810, 28811, 28812, 28812, and 28814, is given under laboratory No. 28815.

System of mining, room and pillar. In 1917 the coal was undercut by chain machines and shot down with FF black powder. All of the coal was screened. The daily capacity of the mine at time of sampling was 3,500 tons.

2 Mine Williamson Co. Freder 140

## FIELD NOTES

## Illinois State Geological Survey

Data on Old Ben No. 20 Mine - W.P.R. end No. 2 mine

Compiled by E.T. Benson (mainly from D.J. Fisher notes and from Mr. Adams, Old Ben Engineer.

Two holes drilled by A. Butler in No. 16 to determine depth of coal and displacement of fault along north side of mine.

Hole No. 1 (location given by Fisher is doubtful, but probably the same as his #7 hole shown south of fault near north end of Main Northwest entries)

300' north of south line, 105' west of east line Sec. 35-8S-1E

| **                  |    |        |
|---------------------|----|--------|
| Hard pan            | 18 | 18     |
| Clay, blue and sand | 31 | 49     |
| Shale               | 20 | 69     |
| Limestone           | 6  | 75     |
| Shale               | 3  | 78     |
| Slate and coal      | 1  | 79     |
| Shale               | 19 | 98     |
| Limestone           | 8  | 106    |
| Shale               | 24 | 130    |
| Limestone           | 5  | 135    |
| Shale               | 91 | 226    |
|                     |    | To ton |

To top of coal (according to D.J. Fisher)

This hole is located south of fault; fault apparently located about half way between this hole and hole #3

below. Assuming surface elevation of 360 for this hole, elevation of top of coal then is 134'.

(continued on the next page)

| by | . L. Benson | Date_1932 |
|----|-------------|-----------|
|    |             |           |
|    |             |           |

| Date                                    | 1932 | İ |
|---|------|---|
| - 1000000000000000000000000000000000000 |      | I |

654321

Quadrangle Herrin

Sec. 35 T S R 1E

County Williamson Original: Benson,