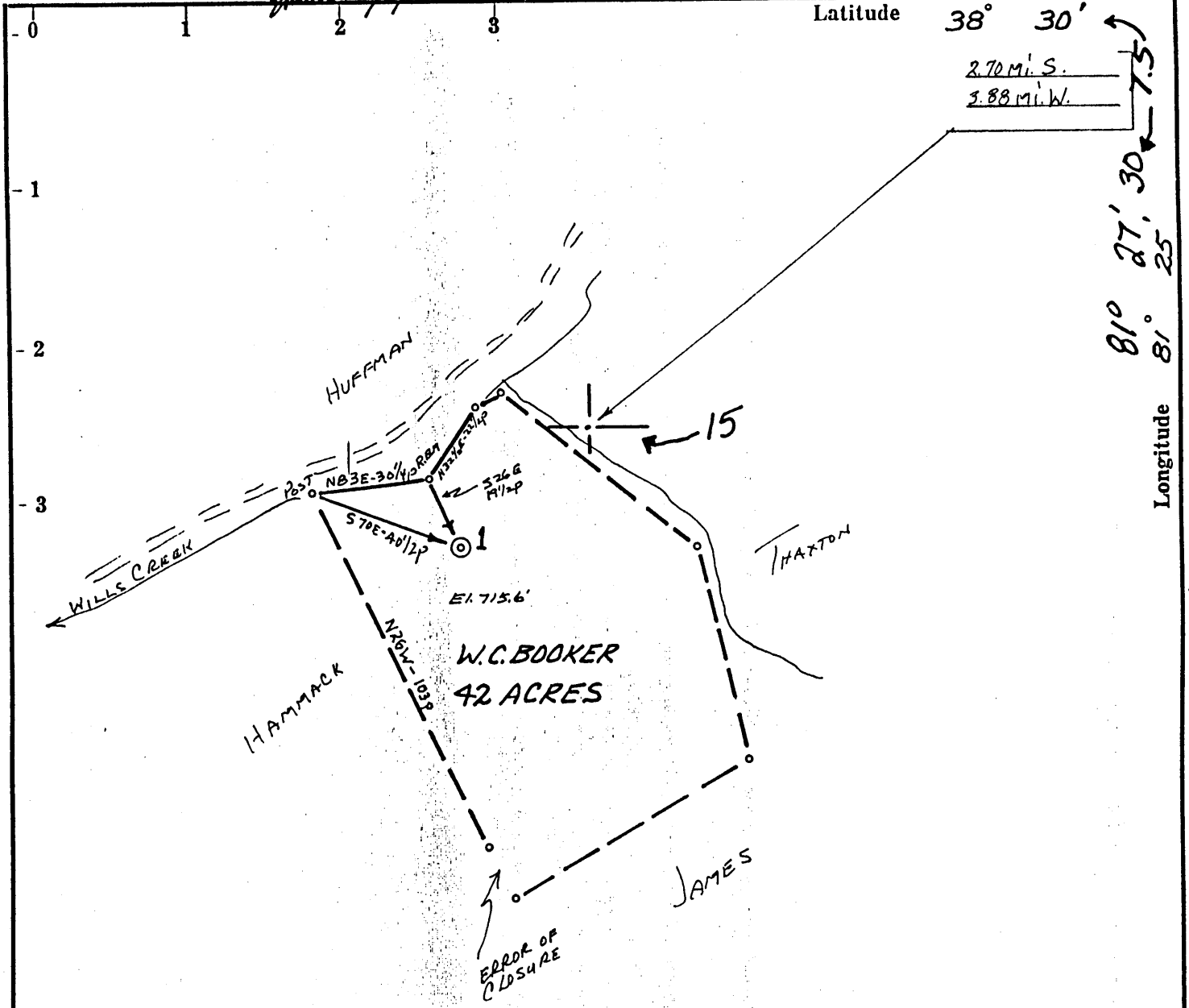


Done 5/5/88

8100'

10/31/68



ACCURACY: 1/200p

Source of Elevation WILLS (647')

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill 5-5-88

Chet Waterman

Company Quaker State Oil Refining Co.
 Address PARKERSBURG, W. VA.
 Farm W.C. BOOKER
 Tract Acres 42 Lease No. 335K
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 715.6'
 Quadrangle CLENDENIN 15 Blue Creek 7.5
 County KANAWHA District ELK
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 68003-191 Drawing No. _____
 Date 10/28/68 Scale 1" = 40p

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

FILE NO. KAN-2327-P

Plugging Cancelled
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

JUL 20 1990

— Denotes one inch spaces on border line of original tracing.

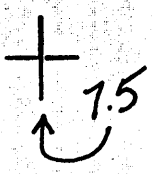
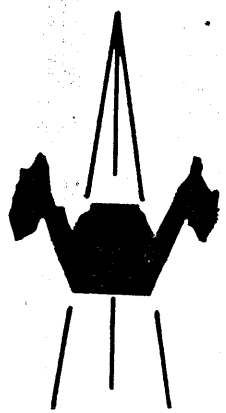
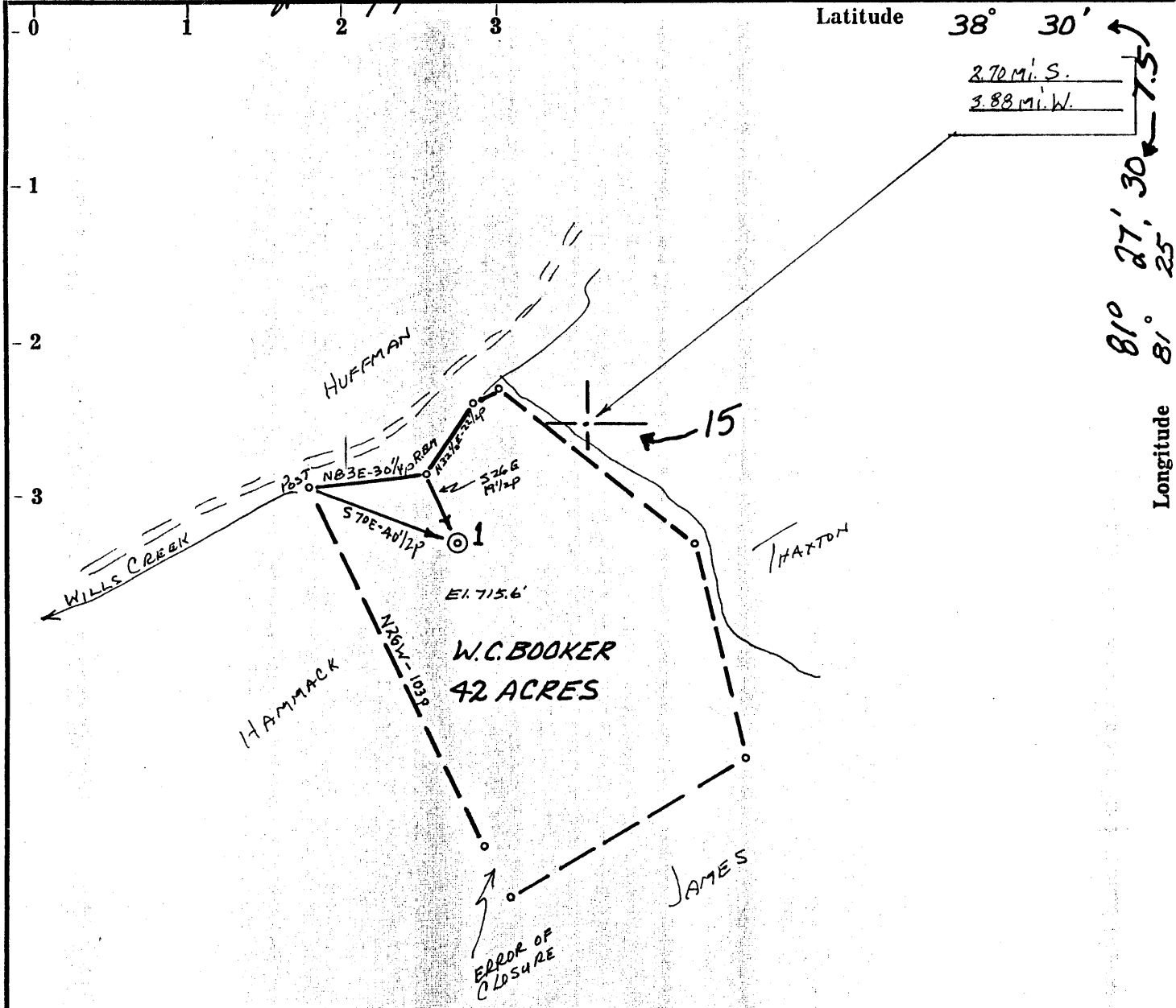
47-039

14000

Jan 5/5/88

8100'

10/31/68



ACCURACY: 1p/200p

Source of Elevation WILLS (647)

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

5-5-88

Chet Waterman

Company Quaker State Oil REfining Co.
 Address PARKERSBURG, W. VA.
 Farm W.C. BOOKER
 Tract Acres 42 Lease No. 335K
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 715.6'
 Quadrangle CLENDENIN 15 Blue Creek 7.5
 County KANAWHA District ELK
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 68003-191 Drawing No. _____
 Date 10/28/68 Scale 1" = 40p

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP

FILE NO. KAN-2327-P

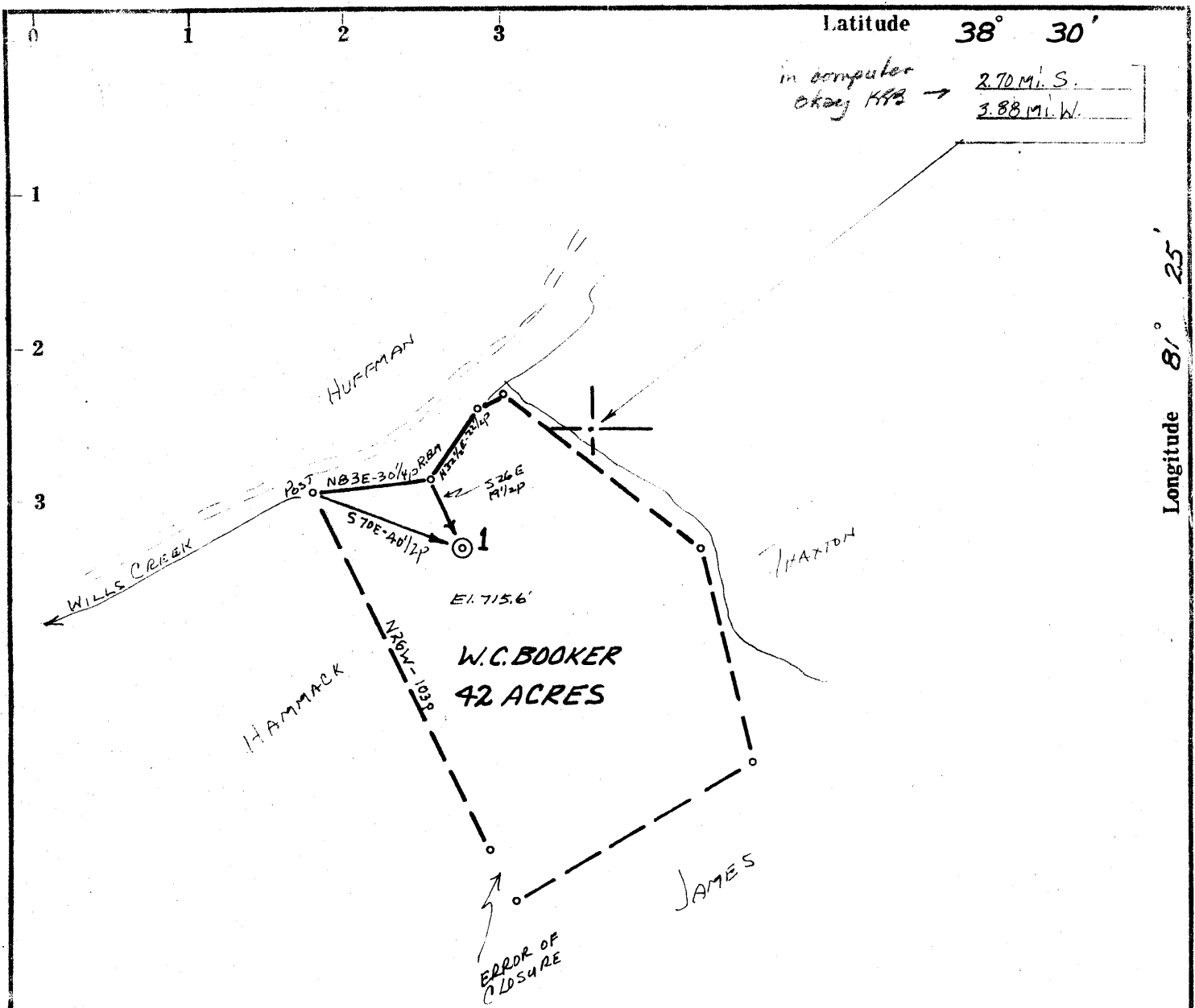
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

MAY 0 1968

47-039

14000



ACCURACY: 1/200p

Source of Elevation WILLS (647)

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

7.5, 0615 topo loc
 38° 30' 00" 2.65 S
 81° 27' 30" 1.51 W

15' 102
 2.65 S
 3.77 W

Chet Waterman

Company MAREVE OIL CORPORATION
 Address PARKERSBURG, W. VA.
 Farm W.C. BOOKER
 Tract _____ Acres 42 Lease No. 335K
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 715.6'
 Quadrangle CLENDENIN NW
 County KANAWHA District ELK
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 68008-191 Drawing No. _____
 Date 10/20/68 Scale 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. KAN-2327

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Clendenin

WELL RECORD

Oil or Gas Well OIL (KIND)

Permit No. Kan-2327

Company Mareve Oil Corp.
Address P.O. Box 1228, Parkersburg, W. Va.
Farm W. C. Booker Acres 42
Location (waters) _____
Well No. 1 Elev. _____
District Calh County Marshall
The surface of tract is owned in fee by W. C. Booker
Address Elkview, W. Va.
Mineral rights are owned by W. C. Booker
Address Elkview, W. Va.
Drilling commenced 11/5/68
Drilling completed 11/8/68
Date Shot _____ From _____ To _____
With _____

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|---------------------|------------------|--------------|----------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | | | Size of |
| 10 | | | |
| 8 8-5/8" | 247 | 247 | Depth set |
| 6 5/8" | Cement circ. | | |
| 5 3/16" | | | Perf. top |
| 4 1/2" | | | Perf. bottom |
| 3" | | | Perf. top |
| 2" | | | Perf. bottom |
| Liners Used | | | |

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ Show _____ bbls., 1st 24 hrs.

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 1810 No. Ft. 11/8/68 Date
Amount of cement used (bags) 150
Name of Service Co. Ilwaco
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL ACIDIZED (DETAILS) _____

WELL FRACTURED (DETAILS) 41,500 # sand & 41,500 gallons gelled fresh water.

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 22 BOPD
ROCK PRESSURE AFTER TREATMENT _____ HOURS
Fresh Water _____ Feet Salt Water _____ Feet
Producing Sand Big Injun Depth 1676-1720

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|----------------------|-------|--------------|------|--------|-------------------|-------|---------|
| Surface & Rock | | | 0 | 75 | | | |
| Sand & Shale | | | 75 | 110 | | | |
| Shale & rock streaks | | | 110 | 247 | | | |
| Shale w/sand streaks | | | 247 | 420 | | | |
| Shale | | | 420 | 700 | | | |
| Sandy shale | | | 700 | 954 | | | |
| Salt Sand | | | 954 | 1491 | | | |
| Little Lime | | | 1491 | 1525 | | | |
| Pencil Cave | | | 1525 | 1531 | | | |
| Big Lime | | | 1531 | 1676 | | | |
| Big Injun | | | 1676 | 1720 | | | |
| Shale | | | 1720 | 1815 | (T.D.) | | |

