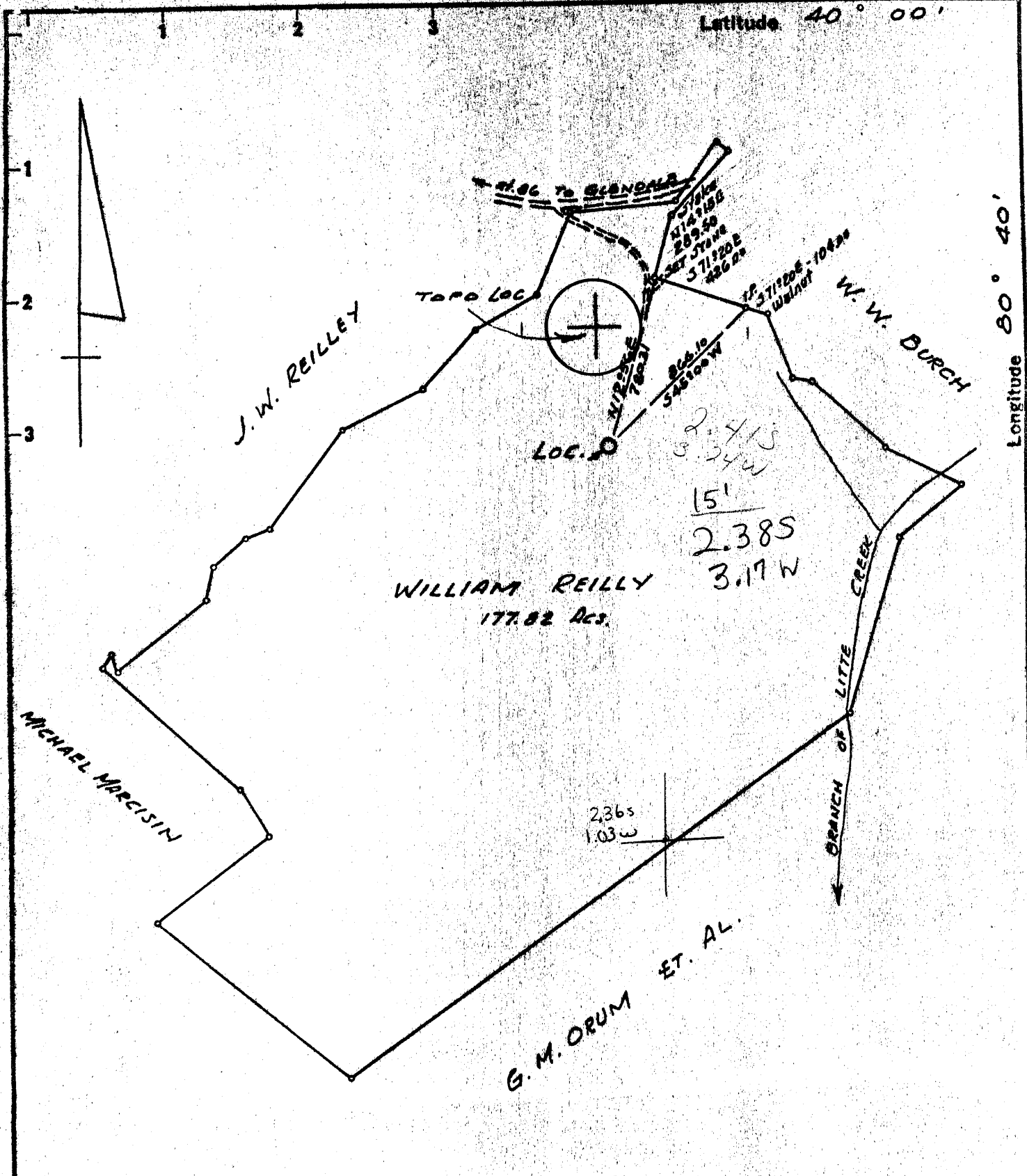


Latitude 40° 00'



New Location
 Drill Deeper
 Abandonment
 Waived 4/10/72

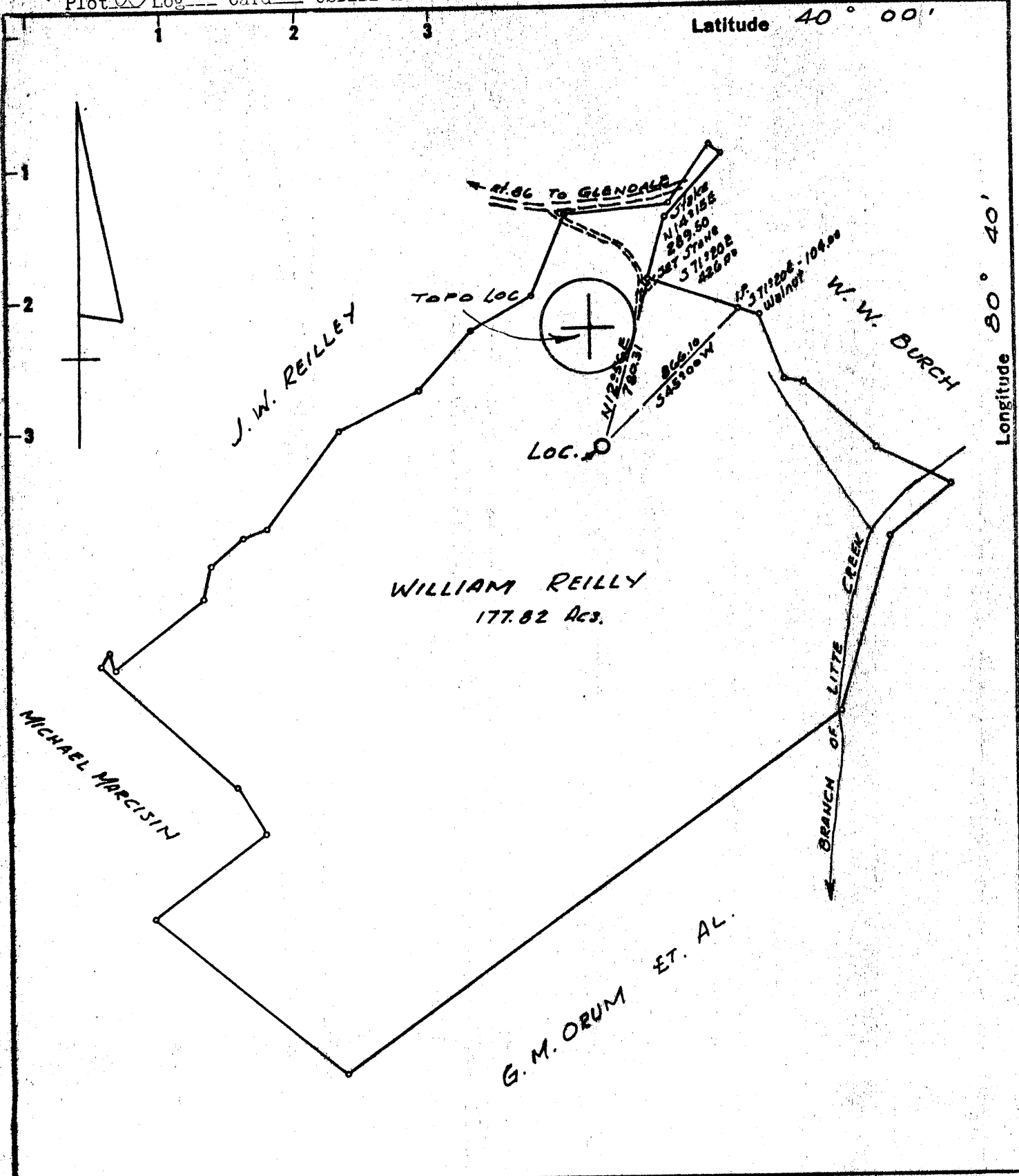
Minimum Error of Closure 1/14 2500
 Source of Elevation U.S.G.S. Elev 1190' TOP KNOB SOUTH OF WELL LOC.
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company PACE, PREBLE & POOLE INC.
 Address 820 COMMERCE SQUARE CHARLESTON, W.VA.
 Farm WILLIAM REILLY
 Tract _____ Acres 177.82 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1205.4
 Quadrangle W.Va. - PA. - O. - CAMERON NW
 County MARSHALL District UNION
 Engineer N.L. Sefton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 3-27-71 Scale 1" = 600'

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

WELL LOCATION MAP

FILE NO. 77-547
 Reissued 25: Mars-550-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.



Longitude 80° 40'

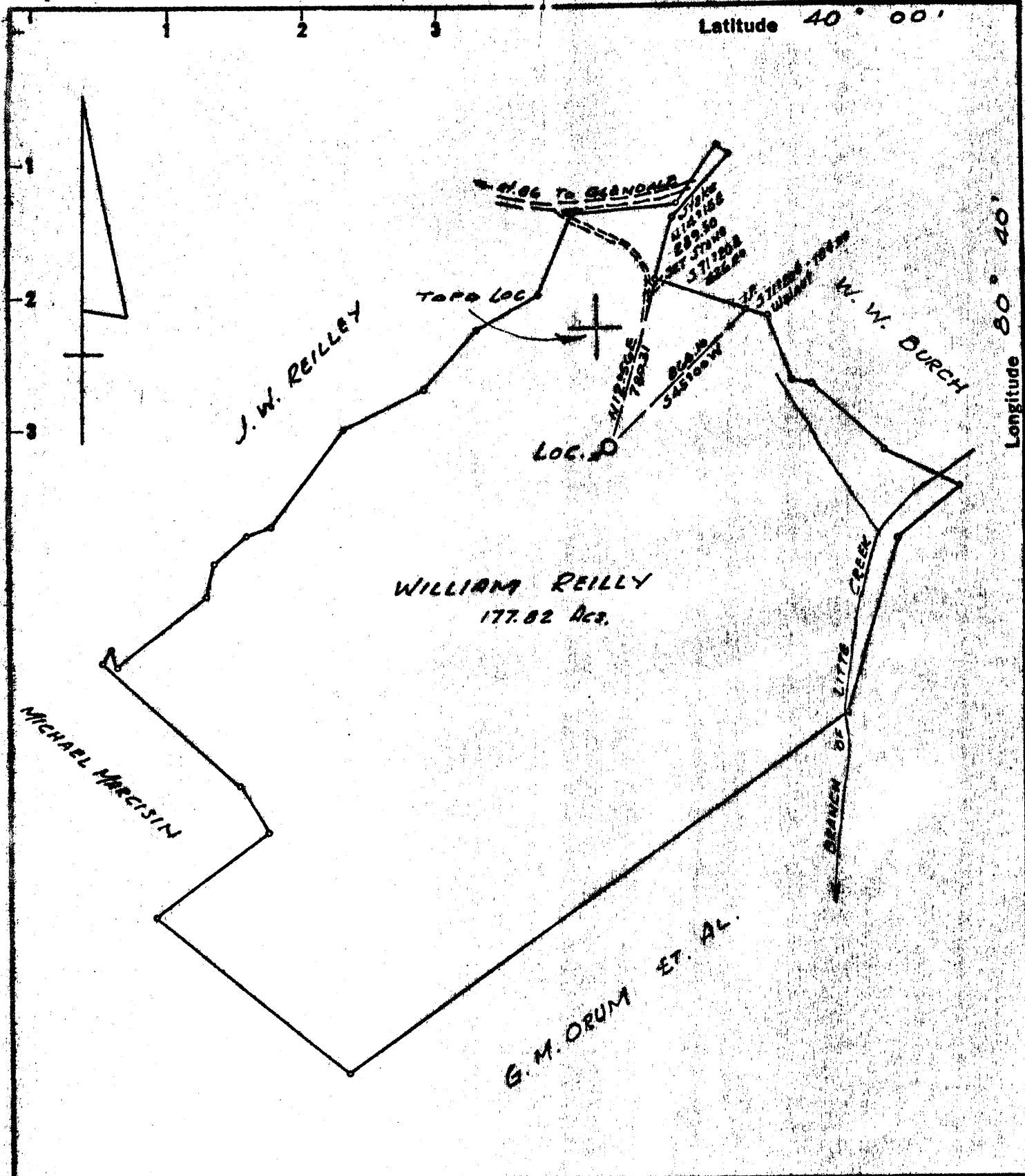
- New Location
- Drill Deeper
- Abandonment

Minimum Error of Closure 1 IN 2500
 Source of Elevation U.S.G.S. ELEV. 1190' TOP KNAB SOUTH OF WELL LOC.
 "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."

Company PACE, PREBLE & POOLE INC.
 Address 820 COMMERCE SQUARE CHARLESTON, W.VA.
 Farm WILLIAM REILLY
 Tract _____ Acres 177.82 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1205.4
 Quadrangle W.Va. - PA. - O. - CAMERON NW
 County MARSHALL District UNION
 Engineer N.L. Sefton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 3-27-71 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. Mars-547
Reissued 25: Mars-550
 + 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.



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 2500
 Source of Elevation USGS Elev 1190' Top Knob South of WELL LOC.

"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."

Company PACE, PREBLE & POOLE INC.
 Address 820 COMMERCE SQUARE CHARLESTON, W.VA.
 Farm WILLIAM REILLY
 Tract _____ Acres 177.82 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1205.4
 Quadrangle W.Va. - PA. - O. - CAMERON NW
 County MARSHALL District UNION
 Engineer N. L. Defton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 3-27-71 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. Mass-547

+ 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

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OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD 2

Rotary _____ Oil _____
Cable X Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ Dry (Kind) _____

Quadrangle Cameron

Permit No. Mars-550

| | | | | |
|---|-------------------|------------------|--------------|-------------------------------|
| Company <u>Pace, Preble & Poole, Inc.</u> | Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
| Address <u>820 Commerce Squ., Charleston, W. Va.</u> | | | | |
| Farm <u>William Reilly</u> Acres <u>177.83</u> | | | | |
| Location (waters) <u>Little Grave Creek</u> | | | | |
| Well No. <u>1</u> Elev. <u>1205.4GL</u> | Size | | | |
| District <u>Union</u> County <u>Marshall</u> | 20-16 | | | |
| The surface of tract is owned in fee by <u>John W. Reilly</u> | Cond. | | | |
| <u>1502 Glendale Heights</u> | 13-10" 13-3/8 | 24.167 | 24.167 | None |
| Address <u>Glen Dale, West Va.</u> | 9 5/8 10-3/4 | 691 | 691 | 143 Sacks |
| Mineral rights are owned by <u>Pittsburgh Plate Glass</u> | 8 5/8 | 1202 | 776 | 85 Sacks |
| Address <u>Box 191, New Martinsville, W. Va.</u> | 7 | 1702 | 279 | None |
| Drilling Commenced <u>1/25/72</u> | 4 1/2 | | | |
| Drilling Completed <u>4/4/72</u> | 3 | | | |
| Initial open flow <u>Show Gas</u> cu. ft. <u>Show oil</u> bbls. | 2 | | | |
| Final production <u>Dry</u> cu. ft. per day _____ bbls. | Liners Used | | | |
| Well open _____ hrs. before test _____ RP. | | | | |

Well treatment details: No Treatment

Attach copy of cementing record.

| |
|--------------------|
| Hole Size: |
| 0-24 (16") |
| 24-685 (12 1/2") |
| 685-1191 (10") |
| 1191-1689 (8") |
| 1689-2400 (6 1/2") |

Coal was encountered at 580-585; 645-655 Feet _____ Inches _____
 Fresh water 75' (1 Bail/hr.) Feet _____ Salt Water 1560 (hole full) Feet 1850 (show)
 Producing Sand _____ Depth _____

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|--------------|--------------|--------------|----------|-------------|-------------------|--|
| Shale | Gray | | 0 | 50 | | |
| Sand | | | 50 | 115 | | Water-75' (1 Bail/hr.) |
| Shale | Red | | 115 | 125 | | |
| Shale | Gray | | 125 | 150 | | |
| Shale & Lime | | | 150 | 175 | | |
| Shale | Gray | | 175 | 250 | | |
| Sand | | | 250 | 285 | | |
| Shale | | | 285 | 290 | | |
| Lime & Shale | | | 290 | 390 | | |
| Lime | | | 390 | 425 | | |
| Shale | Gray | | 425 | 460 | | |
| Lime | | | 460 | 490 | | |
| Shale | Gray | | 490 | 550 | | |
| Sand | | | 550 | 560 | | Puff of gas |
| Shale | Gray | | 560 | 580 | | |
| Coal | | | 580 | 585 | | |
| Lime & Shale | | | 585 | 630 | | |
| Coal | | | 630 | 632 | | |
| Lime | | | 632 | 645 | | |
| Coal | (Pittsburgh) | Mined out | 645 | 655 | | Gas 645-Estimated 3,000,000 (blew out) |
| Shale | Gray | | 655 | 705 | | |
| Shale | Red | | 705 | 810 | | |
| Shale | Gray | | 810 | 860 | | |
| Shale | Red | | 860 | 880 | | |

(over)

* Indicates Electric Log tops in the remarks section.

| Formation | Color | Hard or Soft | Top Feet Z | Bottom Feet | Oil, Gas or Water | * Remarks |
|-------------------|--------------------|--------------|------------|-------------|-------------------|-----------------------------------|
| Shale | Gray | | 880 | 900 | | |
| Lime | | | 900 | 910 | | |
| Shale | Gray | | 910 | 930 | | |
| Shale | Red | | 930 | 975 | | |
| Sand & Shale | | | 975 | 995 | | |
| Shale | Red | | 995 | 1015 | | |
| Shale | Gray | | 1015 | 1050 | | |
| Sand | | | 1050 | 1075 | | |
| Shale | Gray | | 1075 | 1100 | | |
| Shale | Black | | 1100 | 1110 | | |
| Shale | Gray | | 1110 | 1170 | | |
| Sand | | | 1170 | 1210 | | |
| Shale | Black | | 1210 | 1220 | | |
| Shale | Gray | | 1220 | 1230 | | |
| Sand | | | 1230 | 1250 | | |
| Sand & Shale | | | 1250 | 1315 | | |
| Shale | Gray | | 1315 | 1340 | | |
| Sand | | | 1340 | 1445 | | |
| Shale | Black | | 1445 | 1465 | | |
| Sand | | | 1465 | 1495 | | |
| Shale | Black | | 1495 | 1550 | | |
| Sand | | | 1550 | 1600 | | Salt water 1560 - heavy flow. |
| Shale | Gray | | 1600 | 1620 | | |
| Shale & Sand | | | 1620 | 1683 | | |
| • <u>Big Lime</u> | | | 1683 | 1702 | | Samples |
| Sandy Lime | | | 1702 | 1713 | | Samples |
| Limey Sand | | | 1713 | 1730 | | Samples |
| Siltstone | | | 1730 | 1753 | | Samples |
| • Sand B.I. | | | 1753 | 1950 | | Samples - show of oil & gas 1780. |
| Shale | | | 1950 | 2075 | | Water 1850-enough to drill with. |
| Sand & Shell | | | 2075 | 2150 | | |
| Shale | | | 2150 | 2290 | | |
| Lime & Shale | | | 2290 | 2330 | | |
| Red Rock | Upper Devonian Sh. | | 2330 | 2400 | | T.D. Drillers |
| | | | | 2412 | | Logger |

1683 1713
 1203 1203
 478 508

CHRONOLOGICAL SEQUENCE OF EVENTS:

1/25/72 Spudded well.
 1/26/72 Ran 24.167' of 13-3/8" casing at 24'.
 2/23/72 Encountered estimated 3,000,000 cubic feet of gas at 645 in top of mined out Pittsburgh coal seam.
 2/25/72 Gas diminished to small flow.
 2/29/72 Rig caught on fire and extinguished.
 3/1/72 Ran 691' of 10-3/4" casing at 684'. Cemented 10-3/4" casing (Lawson Cementing). Ran 18' sacks from T.D. to floor of mine. Basket set at 593. Ran 125 sacks on top of cement basket.
 3/11/72 Ran 1202' of 8-5/8" casing at 1191'. Cemented 8-5/8" casing with 85 sacks (Lawson Cementing). Cement apparently to at least 500' - 8-5/8" would not pull when ripped at 500' - ripped successfully and pulled at 430.
 3/18/72 Ran 1702' of 7" at 1689'.
 3/31/72 Shut well in at 11:00 P.M. 3/31/72 to 11:00 P.M. 4/1/72 to test show of oil & gas at 1780. No pressure on well & gas flow too small to gauge. Approximately 1" of oil in bailer.
 4/4/72 T.D. of 2400' reached.
 4/6/72 Logged well---Gamma Ray, Caliper, Density & Temperature (Basin Surveys). **No temperature kick opposite reported pay at 1780.
 4/10/72 Ripped 7" at 1410'. Tally in 1702' - tally out 1423'. Left in well 279' of 7".
 4/11/72 Ripped 8-5/8" at 500' & would not pull. Ripped 8-5/8" at 430' & pulled successfully. Tally in 1202- - tally out 426'. Left in well 776' of 8-5/8".
 4/10/72- Plugged well (Lawson Cementing), Arthur Null, Inspector.
 4/11/72 Well plugged as follows:
 0-10' Cement (10') 550-1180 Gel 1740-1790 Cement (50')
 10-530 Gel 1180-1210 Cement (30') 1790-2412 Gel
 530-550 Cement (20') 1210-1740 Gel

Dry Hole ----- Plugged & Abandoned.

Date April 20, 19 72

APPROVED H. Douglas Preble, Owner

By Vice-President
 (Title)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

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OIL & GAS DIVISION
DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Mr. R. E. McGuiness
Pittsburgh Plate Glass Company
COAL OPERATOR OR OWNER
P.O. Box 191, New Martinsville, W. Va. 26155
ADDRESS
COAL OPERATOR OR OWNER
ADDRESS
John W. Reilly
1502 Glendale Heights
Glendale, West Virginia 26038
PROPERTY OWNER
ADDRESS

Pace, Preble & Poole, Inc.
NAME OF WELL OPERATOR
820 Commerce Sq., Charleston, W. Va. 25301
COMPLETE ADDRESS
April 7, 19 72
WELL AND LOCATION
Union District
Marshall County
Well No. 1
William Reilly Farm

STATE INSPECTOR SUPERVISING PLUGGING Arthur Null

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood } ss:

Lawson Oil and Gas Well Cementing Co., Inc.,
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Pace, Preble & Poole, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 10th day of April, 1972, and that the well was plugged and filled in the following manner:

| SAND OR ZONE RECORD FORMATION | FILLING MATERIAL | PLUGS USED SIZE & KIND | CASING | |
|----------------------------------|--------------------|---------------------------|---|---------------|
| | | | CSG PULLED | CSG LEFT IN |
| | 0' 10' Cement | 10' | | |
| | 10' 530' Gel | | | 13-9/8-24.167 |
| | 530' 550' Cement | 20' | | 16-3/4-691 |
| | 550' 1180' Gel | | 8-5/8-426 | 776' |
| | 1180' 1210' Cement | 30' | 7"-1423 | 279' |
| | 1210' 1740' Gel | | | |
| | 1740' 1790' Cement | 50' | | |
| | 1790' 2412' Gel | | | |
| COAL SEAMS | | | DESCRIPTION OF MONUMENT | |
| (NAME) 500-505 | | | 7" pipe 30" above ground and filled with cement - tagged with aluminum tag, Mars-550. | |
| (NAME) 645-655 (Pittsburgh) | | | | |
| (NAME) | | | | |
| (NAME) | | | | |

and that the work of plugging and filling said well was completed on the 11th day of April, 19 72

And further deponents saith not.

Sworn to and subscribed before me this 12 day of April, 19 72

My commission expires:
March 26th 1979

Karl Church
Rennie Church
Fred E. Ingram
Notary Public.

Permit No. Mars. 550 E. NOLL

MAY 1 1972