

Minimum Error of Closure 1 in 200

Source of Elevation Elev. Duncan-Batson No. 1 = 1114

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.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: [Signature]
 Squares: N S E W

Company Petroleum Corporation of America
 Address 137 East Main St. Bridgeport W. Va.
 Farm Duncan-Batson Lease # 2
 Tract Acres 171.82 Lease No.
 Well (Farm) No. 1005 Serial No. 1005
 Elevation (Spirit Level) 1333
 Quadrangle Phillippi NW
 County Harrison District Simpson
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. Drawing No.
 Date Feb 4, 1970 Scale 1" = 600'

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

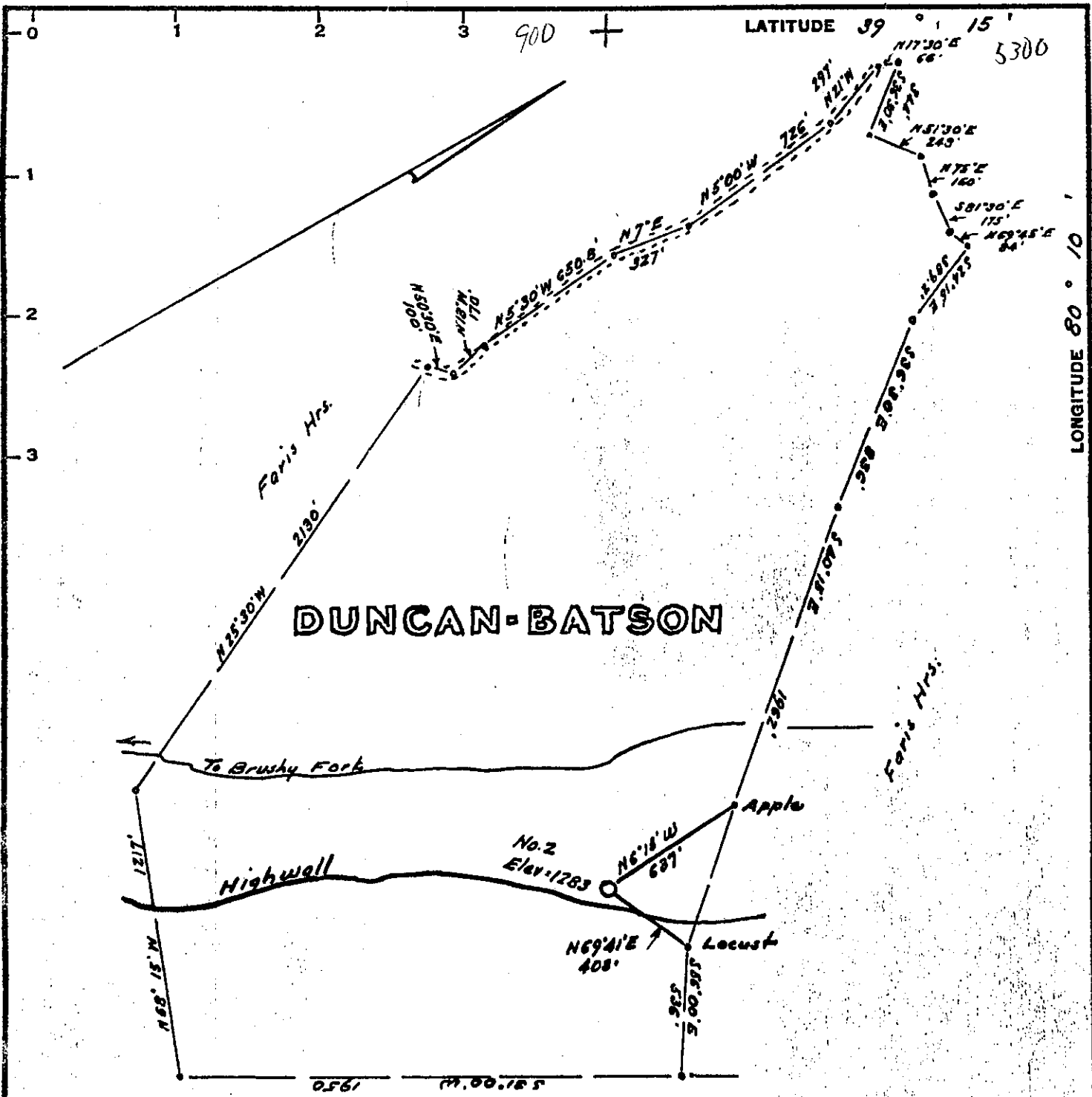
WELL LOCATION MAP

FILE NO. HAR-533

+ 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.

6/27/69



Homer McDonald
 Minimum Error of Closure 1 in 700'
 Source of Elevation Elev Well No. 1 = 1114

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- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: *Homer McDonald*
 Squares: N S E W

Map No. _____

Company Petroleum Corp of America
 Address 185 Washington St. Clarksburg, W.Va.
 Farm Duncan - Batson
 Tract _____ Acres 171.62 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1283'
 Quadrangle Philippi
 County Harrison District Simpson
 Engineer *Homer McDonald*
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June 25, 1969 Scale 1" = 600'

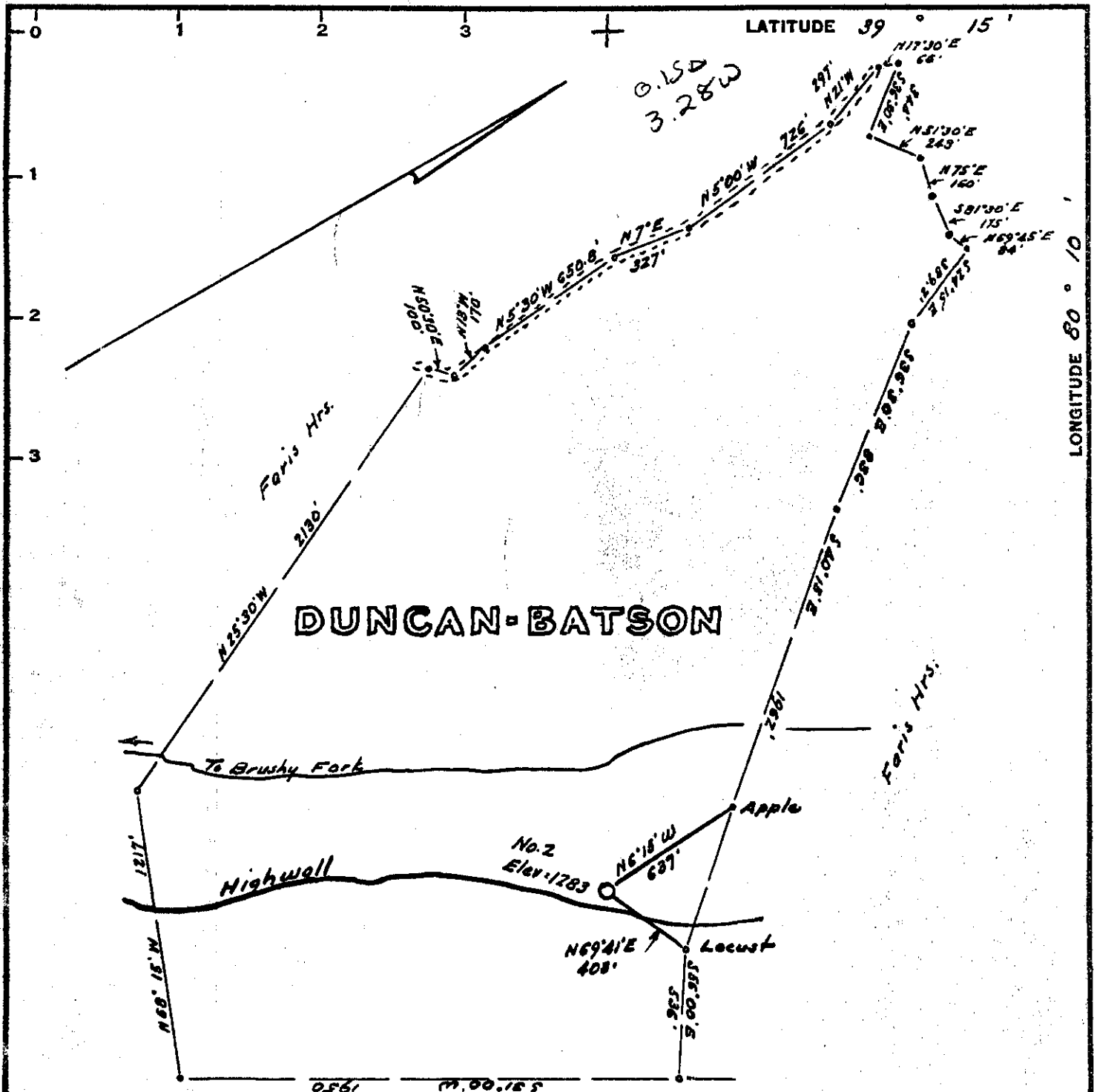
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. HAR-524
522

+ 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.

6/27/69



Homer McDonald

Minimum Error of Closure 1 in 200

Source of Elevation Elev Well No. 1 = 1114

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.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: W. H. H. J.
 Squares: H B E W

Map No.

Company Petroleum Corp. of America
 Address 185 Washington St. Clarksburg, W. Va.
 Farm Duncan - Batson
 Tract _____ Acres 171.62 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1283'
 Quadrangle Philippi NW
 County Harrison District Simpson
 Engineer W. H. H. J.
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June 25, 1969 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. HAR-524

+ 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.

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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Philippi

WELL RECORD

Oil or Gas Well Gas (KIND)

Permit No. Har--533

Company Petroleum Corporation Of America
Address Box 26, Bridgeport, W. Va.
Farm Duncan-Batson Acres 171.82
Location (waters) Brushy Fork
Well No. 1005 (2) Elev. 1359
District Simpson County Harrison
The surface of tract is owned in fee by Duncan-Batson Heirs
Address Bridgeport, W. Va.
Mineral rights are owned by Duncan-Batson Heirs
Address Bridgeport, W. Va.

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|--------------------------|
| Size | | | Kind of Packer |
| 16 | 20 | 20 | |
| 13 | | | Size of |
| 10 | | | Depth set |
| 8 1/4 | 300 | 300 | |
| 6 5/8 | | | Perf. top <u>1620</u> |
| 5 3/16 | | 1730 | Perf. bottom <u>1624</u> |
| 4 1/4 | | | Perf. top |
| 3 | | | Perf. bottom |
| 2 | | | |
| Liners Used | | | |

Drilling commenced 2/16/70
Drilling completed 2/19/70
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Show Ctu. Fr.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) Dowell, 877 bbl, 27,000# 20-40 sd, 14,000# 10-20 sd.
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 125,000 M.C.F.D. 1,250 M.C.F.G.P.D.
ROCK PRESSURE AFTER TREATMENT 385 HOURS 48
Fresh Water Feet Salt Water Feet
Producing Sand Keener Depth 1598 1626

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 1730 No. Ft. 2/19/70 Date
Amount of cement used (bags) 110
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|-----------------------|-------|--------------|-------|--------|-------------------|-------|---------|
| Clay & Shale | | | Surf. | 62 | | | |
| Sand | | | 62 | 70 | | | |
| Shale | | | 70 | 165 | | | |
| Sand | | | 165 | 180 | | | |
| Shale | | | 180 | 572 | | | |
| Sand | | | 572 | 590 | | | |
| Shale | | | 590 | 698 | | | |
| Sand | | | 698 | 720 | | | |
| Shale | | | 720 | 800 | | | |
| Sand | | | 800 | 870 | | | |
| Shale | | | 870 | 1110 | | | |
| Sand <u>Gas Sand?</u> | | | 1110 | 1156 | | | |
| Shale <u>sdv</u> | | | 1156 | 1264 | | | |
| Sand | | | 1264 | 1280 | | | |
| Shale | | | 1280 | 1336 | | | |
| Sand | | | 1336 | 1412 | | | |
| Shale | | | 1412 | 1479 | | | |
| Sand | | | 1479 | 1494 | | | |
| Shale | | | 1494 | 1521 | | | |
| Lime | | | 1521 | 1538 | | | |
| Shale <u>-A Cave</u> | | | 1538 | 1598 | | | |
| Sand | | | 1598 | 1626 | | | |
| Lime | | | 1626 | 1696 | | | |
| Sand | | | 1696 | 1740 | | | |
| Shale | | | | | | | |

RECEIVED
MAY 15 1970
OIL & GAS DIVISION
DEPT. OF MINES

Little Lime
Blue Monday
Big Lime
Keener
Big Injun