



Minimum Error of Closure 1/1000
 Source of Elevation Court House at Buckhannon
U.S.G.S. B.M. = 1433

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

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.

Signed: Paul G. Dean

Map No. _____ Squares: N S E W

Company UNION DRILLING, INC.
 Address Box 347, BUCKNANNON, W. Va.
 Farm BASIL HINKLE, et. al.
 Tract 1 Acres 49± Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 1470
 Quadrangle S600 NW
 County UPSHUR District BUCKNANNON
 Engineer PAUL G. DEAN
 Engineer's Registration No. 1856
 File No. 136-12-12 Drawing No. 71-46
 Date SEPT. 2, 1971 Scale 1" = 30 P = 495'

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

WELL LOCATION MAP
 FILE NO. UPS-1390

+ 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
WELL RECORD

Quadrangle Sago
Permit No. UPS-1390

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

Company Union Drilling, Inc.
Address Box 347, Buckhannon, W.Va., 26201
Farm Basil Hinkle, et.al. Acres 49+
Location (waters) Cutright Run
Well No. (1) # 257-UC Elev. 1470'
District Buckhannon County Upshur
The surface of tract is owned in fee by Basil Hinkle, et.al.
Address Rt. 3, Bx. 233, Buckhannon, W.Va., 26201
Mineral rights are owned by Basil Hinkle, et.al.
Rt. 3, Bx. 233 address Buckhannon, W.Va., 26201
Drilling Commenced October 27, 1971
Drilling Completed November 2, 1971
Initial open flow 30,000 Benson Nat. bbls.
Final production 1,000,000 cu. ft. per day _____ bbls.
Well open 5 Days hrs. before test 1250# RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|-------------------|------------------|--------------|-------------------------------|
| Size | | | |
| 20-16 | | | |
| Cond. | | | |
| 13-10" 13" | 11' | 11' | |
| 9 5/8 | | | |
| 8 5/8 | 828' | 828' | |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | 4073' | 4073' | |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details:

Attach copy of cementing record.

12/12/71 - Dowell - Benson Sand - 31,250 Gal. Waterfrac

380 CWT 20-40 Bulk Sand

1,000 Mcf

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet Salt Water _____ Feet
Producing Sand Benson Depth 3963' - 3977'

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|--------------------|-------|--------------|-------------|-------------|-------------------|-----------|
| Sand & Shale | | | 0 | 95 | | |
| Sand | | | 95 | 195 | | |
| Sand & Shale | | | 195 | 638 | | |
| Sand | | | 638 | 790 | | |
| Slate & Shale | | | 790 | 1009 | | |
| Sand | | | 1009 | 1048 | | |
| Slate | | | 1048 | 1075 | | |
| Slate & Shale | | | 1075 | 1318 | | |
| Big Lime | | | 1318 | 1444 | | |
| Sand | | | 1444 | 1530 | | |
| Sand & Shale | | | 1530 | 3950 | | |
| Shale | | | 3950 | 3963 | | |
| <u>Benson Sand</u> | | | <u>3963</u> | <u>3977</u> | | |
| Shale | | | 3977 | 4104 | Total Depth | |

FEB 25 1972

(over)

* Indicates Electric Log tops in the remarks section.