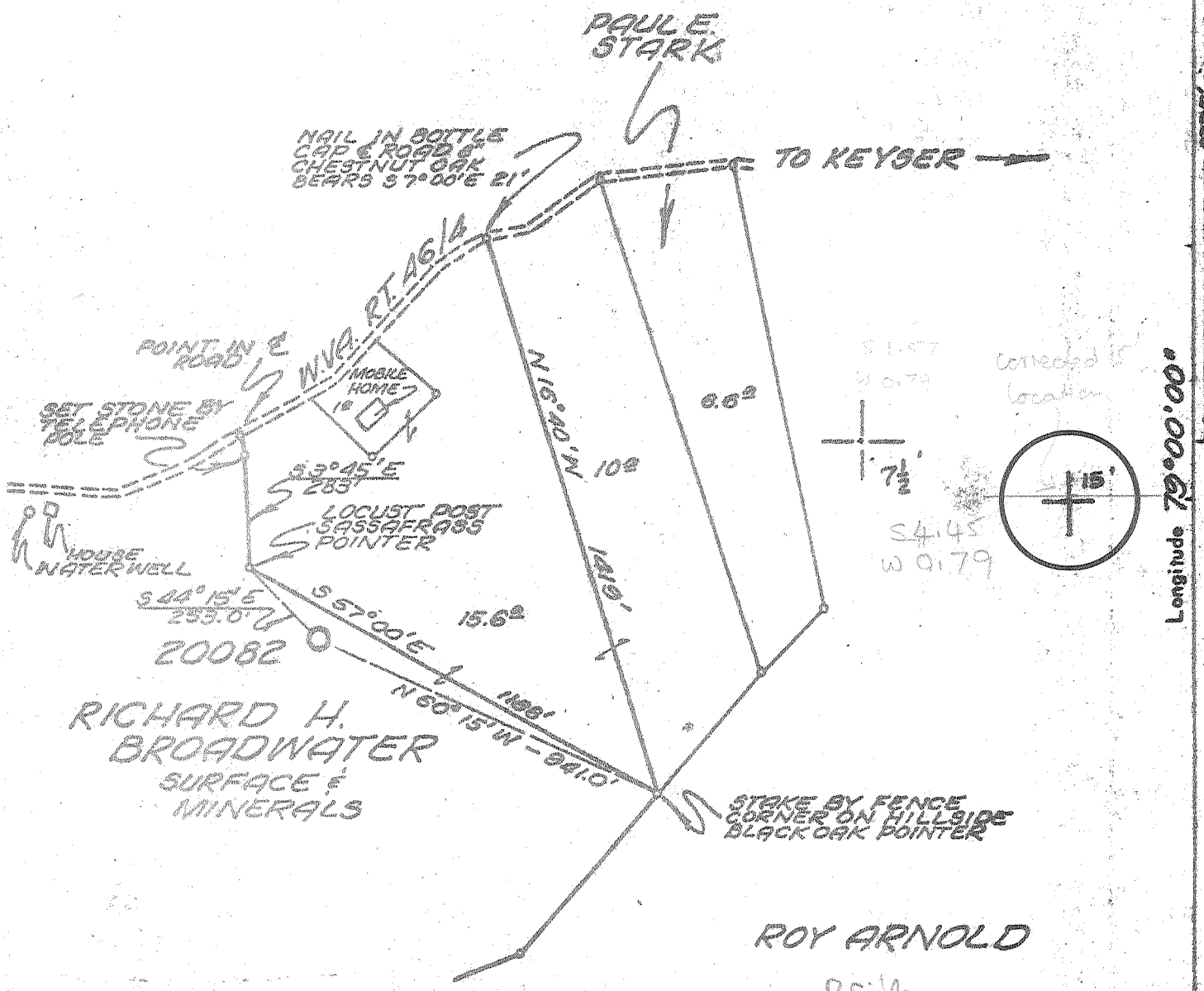


Latitude  $39^{\circ}27'30''$   
 $(15') 39^{\circ}20''$

C. NELSON



**BENCH MARK DESCRIPTION**

STANDARD DISK IN NORTHEAST CORNER OF B&O RAILROAD STATION IN THE NORTH WALL SOUTHEAST OF WAITING ROOM DOOR STAMPED T-18-1934 ELEVATION 818.50'

"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 the rules and regulations of the oil and gas section of the mining laws of WEST VIRGINIA. Minimum degree of accuracy is one part in 200

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

ENGR. REG. No 2330 Signed Adrian E. Hardaway  
 12/10/79 BOX 1273 CHARLESTON, W.VA.

Company COLUMBIA GAS TRANS. CORP.  
 Address BOX 1273 CHARLESTON, W.VA.  
 Farm RICHARD H. BROADWATER  
 Lease 41885 Acres 150  
 Well Farm No. \_\_\_\_\_ Ser. No. 20082  
 Elevation - Spirit Level 1833.15' NE  
 Quadrangle WESTERNPORT, ELK GARDEN 15'  
 Township or District NEW CREEK  
 County MINERAL  
 Sec., Lot, Qr. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_  
 Coordinates LAT. 39°26'07" LONG. 79°00'54"  
 File No. J2950F Dwg. No. \_\_\_\_\_  
 Date 5-8-79 Scale 1" = 400'

FORM 1495 CE 4 CSD (REV. 11-79)  
 COLUMBIA GAS SYSTEM  
 COLUMBIA GAS TRANSMISSION CORPORATION  
 WELL LOCATION MAP  
 STATE OF WEST VIRGINIA  
 (+) Denotes Values of Well On United States Topographic Maps  
**47-057-0026-P**  
 Scale 15'  7-1/2'   
 Deep well

4,175'

Latitude 39° 27' 30"  
(15') 39° 30'

C. NELSON

PAUL E. STARK

NAIL IN BOTTLE  
CAP & ROAD 8"  
CHESTNUT OAK  
BEARS S 7° 00' E 21'

TO KEYSER →

POINT IN E  
ROAD

MOBILE  
HOME

SET STONE BY  
TELEPHONE  
POLE

S 3° 45' E  
283'

LOCUST POST  
SASSAFRASS  
POINTER

HOUSE  
WATER WELL

S 44° 15' E  
253.0'

20082

S 57° 00' E  
15.6'

N 60° 15' W - 94.0'

RICHARD H.  
BROADWATER  
SURFACE &  
MINERALS

STAKE BY FENCE  
CORNER ON HILLSIDE  
BLACK OAK POINTER

ROY ARNOLD

**BENCH MARK DESCRIPTION**

STANDARD DISK IN NORTHEAST CORNER OF  
B&O RAILROAD STATION IN THE NORTH WALL  
SOUTHEAST OF WAITING ROOM, DOOR STAMPED  
T-18-1934 ELEVATION 818.50'

"I, the undersigned, hereby certify that this map is correct to the best of my knowl-  
edge and belief and shows all the information required by the rules and regulations  
of the oil and gas section of the mining laws of WEST VIRGINIA  
Minimum degree of accuracy is one part in 200

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

ENGR. REG. No 2330 Signed Adrian E. Hardman  
BOX 1273 CHARLESTON, W.VA.

Company COLUMBIA GAS TRANS. CORP.  
 Address BOX 1273 CHARLESTON, W.VA.  
 Farm RICHARD H. BROADWATER  
 Lease 41885 Acres 150  
 Well Farm No. \_\_\_\_\_ Ser. No. 20082  
 Elevation - Spirit Level 1833.15'  
 Quadrangle WESTERNPORT, Elk Garden 15'  
 Township or District NEW CREEK  
 County MINERAL  
 Sec., Lot, Qr. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_  
 Coordinates LAT: 39° 26' 07" LONG: 79° 00' 54"  
 File No. J2950F Dwg. No. \_\_\_\_\_  
 Date 5-8-79 Scale 1" = 400'

FORM 1495 CE 4 CSD  
(REV. 11-78)

COLUMBIA GAS SYSTEM  
COLUMBIA GAS TRANSMISSION CORPORATION

**WELL LOCATION MAP**

STATE OF WEST VIRGINIA

(+) Denotes Values of Well On  
United States Topographic Maps

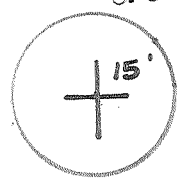
**47-057-0026**

Scale 15'  7-1/2'

JUN 26 1979

DEEP WELL 3-0 KEYSER 365

Longitude 79° 00' 00"



39 26 07  
79 00 54



*allens*  
**RECEIVED**  
NOV 21 1980

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**

OIL & GAS DIVISION  
**DEPT. OF MINES**

**WELL RECORD**

Quadrangle Westernport  
Permit No. 47-057-0026

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

Company Columbia Gas Transmission Corp.  
Address P. O. Box 1273, Charleston, WV  
Farm R. H. Broadwater Acres 150  
Location (waters) Stony Run  
Well No. 20082 Elev. 1833.15  
District New Creek County Mineral  
The surface of tract is owned in fee by \_\_\_\_\_  
Richard H. Broadwater  
Address Rt. 4, Box 590, Keyser, WV  
Mineral rights are owned by Richard Broadwater  
Address \_\_\_\_\_  
Drilling Commenced 7/25/79  
Drilling Completed 11/9/79  
Initial open flow 0 cu. ft. \_\_\_\_\_ bbls.  
Final production 0 cu. ft. per day \_\_\_\_\_ bbls.  
Well open --- hrs. before test \_\_\_\_\_ RP.

| Casing and Tubing  | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|--------------------|------------------|--------------|-------------------------------|
| Size               |                  |              |                               |
| 20- <del>xxx</del> |                  |              |                               |
| Cond.              | 60'              | 60'          | 80 sacks                      |
| 13- <del>xxx</del> | 476.7            | 476.7        | 300 sacks                     |
| 9 5/8              | 2483             | 2483         | 650 sacks                     |
| 8 5/8              |                  |              |                               |
| 7                  | 9058             | 4872         | 400 sacks                     |
| 5 1/2              |                  |              |                               |
| 4 1/2              |                  |              |                               |
| 3                  |                  |              |                               |
| 2                  | 9036             | 4436.69      |                               |
| Liners Used        |                  |              |                               |

Well treatment details:  
Plugged and abandoned 1/8/80

Attach copy of cementing record.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand \_\_\_\_\_ Depth \_\_\_\_\_

| Formation           | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks            |
|---------------------|-------|--------------|----------|-------------|-------------------|----------------------|
| Hampshire           |       |              | 0        | 706         |                   |                      |
| Chemung             |       |              | 706      | 3600        |                   |                      |
| Brailer Shale       |       |              | 3600     | 6992        |                   |                      |
| Harrell Shale Black |       |              | 6992     | 7015        |                   | Show of gas at 7419' |
| Tully Limestone 1st |       |              | 7140     | 7146        |                   |                      |
| Tully Limestone 2nd |       |              | 7638     | 7648        |                   |                      |
| Tully Limestone 3rd |       |              | 7786     | 7790        |                   |                      |
| Mahantango Shale    |       |              | 7815     | 8691        |                   |                      |
| Marcellus Shale     |       |              | 8691     | 8927        |                   |                      |
| Purcell             |       |              | 8754     | 8843        |                   |                      |
| Tioga Bentonite     |       |              | 8909     | 8927        |                   |                      |
| Needmore            |       |              | 8927     | 9065        |                   |                      |
| Oriskany            |       |              | 9065     | 9308        |                   | Show of gas at 9104' |

(over) →

| Formation       | Color | Hard or Soft | Top Feet <sup>22</sup> | Bottom Feet   | Oil, Gas or Water | * Remarks |
|-----------------|-------|--------------|------------------------|---------------|-------------------|-----------|
| Helderberg      |       |              | 9,308                  | 10,354        |                   |           |
| Tonoloway       |       |              | 10,354                 | 11,157        |                   |           |
| Wills Creek     |       |              | 11,157                 | 11,596        |                   |           |
| McKenzie        |       |              | 11,596                 | 12,175        |                   |           |
| Rose Hill Shale |       |              | 12,175                 |               |                   |           |
| Total Depth     |       |              |                        | <u>12,268</u> |                   |           |

Date November 20, 19 80

APPROVED *J. Buckley* Owner

By Manager, Drilling  
(Title)

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 20082

API Well No. 47-057-0026  
State County Perm

WELL TYPE: Oil \_\_\_ / Gas X /  
(If "Gas", Production X / Underground storage \_\_\_ / Deep X / Shallow \_\_\_)

LOCATION: Elevation: 1833.15 Watershed: \_\_\_\_\_  
District: New Creek County: Mineral Quadrangle: Westernport

WELL OPERATOR Columbia Gas Transmission Corp.  
Address P. O. Box 1273  
Charleston, WV 25325

DESIGNATED AGENT John R. Henning  
Address P. O. Box 1273  
Charleston, WV 25325

OIL & GAS ROYALTY OWNER Richard H. Broadwater  
Address Rt. 4, Box 590  
Keyser, WV 26726

COAL OPERATOR Unoperated  
Address \_\_\_\_\_

ACREAGE 150  
SURFACE OWNER Richard H. Broadwater  
Address Rt. 4, Box 590  
Keyser, West Virginia 26726  
ACREAGE 150

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Richard H. Broadwater  
Address Rt. 4, Box 590  
Keyser, West Virginia 26726

FIELD SALE (IF MADE) TO:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Robert S. Stewart  
Address P. O. Box 345  
Jane Lew, West Virginia

COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

JUN 15 1979

OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease X / other contract \_\_\_ / dated February 15, 1961, to the undersigned well operator from \_\_\_\_\_

[If said deed, lease, or other contract has been recorded:]

Recorded on \_\_\_\_\_, 19\_\_\_\_, in the office of the Clerk of the County Commission of Mineral County, West Virginia, in Deed Book 134 at page 514. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate \_\_\_ /  
Plug off old formation \_\_\_ / Perforate new formation \_\_\_ /  
Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

BLANKET BOND

COLUMBIA GAS TRANSMISSION CORPORATION  
Well Operator

By [Signature]  
Its Director, Exploration & Development

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) DELTA DRILLING COMPANY  
Address P. O. Box 781  
Indiana, Pennsylvania 15701

GEOLOGICAL TARGET FORMATION, Oriskany

Estimated depth of completed well, 8300 feet Rotary X / Cable tools      /  
Approximate water strata depths: Fresh,      feet; salt,      feet.  
Approximate coal seam depths:      **Is coal being mined in the area:** Yes      / No X

CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS |       |               |     |      | FOOTAGE INTERVALS |              | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS       |
|-----------------------|----------------|-------|---------------|-----|------|-------------------|--------------|--------------------------------------|---------------|
|                       | Size           | Grade | Weight per ft | New | Used | For drilling      | Left in well |                                      |               |
| Conductor             | 20             |       | 94#           | X   |      | 60'               |              | To surface                           | Kinds         |
| Fresh water           | 13-3/8         |       | 48#           | X   |      | 450'              |              | To surface                           |               |
| Coal                  |                |       |               |     |      |                   |              |                                      | Sizes         |
| Intermediate          | 9-5/8          |       | 40#           | X   |      | 2500'             |              | To surface                           |               |
| Production            | 7              |       | 23#           | X   |      | 8010'             |              |                                      | Depths set    |
| Tubing                |                |       |               |     |      |                   |              |                                      |               |
| Liners                |                |       |               |     |      |                   |              |                                      | Perforations: |
|                       |                |       |               |     |      |                   |              |                                      | Top Bottom    |

**NOTE:** Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

**THIS PERMIT MUST BE POSTED AT THE WELL SITE**  
All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 2-18-80.

*[Signature]*  
Deputy Director, Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator      / owner      / lessee      / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date:     , 19     

By       
Its

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

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NOV 21 1980

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.

Richard H. Broadwater  
COAL OPERATOR OR OWNER  
Rt. 4, Box 590, Keyser, WV  
ADDRESS  
Unoperated  
COAL OPERATOR OR OWNER  
ADDRESS  
Richard H. Broadwater  
LEASE OR PROPERTY OWNER  
ADDRESS

Columbia Gas Transmission Corp.  
NAME OF WELL OPERATOR  
P. O. Box 1273, Charleston, WV 25325  
COMPLETE ADDRESS  
November 20, 1980  
WELL AND LOCATION  
New Creek District  
Mineral County  
Well No. 20082  
Richard H. Broadwater Farm

STATE INSPECTOR SUPERVISING PLUGGING Robert Stewart

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Kanawha } ss:

J. L. Weekley and Michael J. Akers, Jr.  
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 Columbia Gas Transmission well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12th day of December, 1979, and that the well was plugged and filled in the following manner:

| SAND OR ZONE RECORD<br>FORMATION   | FILLING MATERIAL                                    | PLUGS USED<br>SIZE & KIND | CASING     |             |
|--|---|---------------------------|------------|-------------|
|  |   |                           | CSG PULLED | CSG LEFT IN |
| 10,056-9394'   | Cement  |                           |            |             |
| 9394-4872'   | Gel   |                           |            |             |
| 4872-4550'   | Cavings   | 2 3/8"                    | 4599.31'   | 4436.69'    |
| 4550-4000'   | Cement (Light)                                      | 7"                        | 4186'      | 4872'       |
| 3950-3525'   | Cement (Neat)                                       |                           |            |             |
| 3525-2600'   | Gel   |                           |            |             |
| 2600-2000'   | Cement (Neat)                                       | 9 5/8"                    | 2483'      | 2483'       |
| 2000-200'  | Gel   | 13 3/8"                   | 476.7'     | 476.7'      |
| 200-0'   | Cement (Neat)                                       | 20"                       | 60'        | 60'         |
| Dropped tubing while attempting to plug causing 7" casing to part at 4872'. Unable to get back in 7" casing thus, requiring plugging operation to commence at 4872'. |   |                           |            |             |
| COAL SEAMS   | DESCRIPTION OF MONUMENT                             |                           |            |             |
| (NAME)   | 3' joint of 7" casing erected as prescribed by law. |                           |            |             |
| (NAME)   |   |                           |            |             |
| (NAME)   |   |                           |            |             |
| (NAME)   |   |                           |            |             |

and that the work of plugging and filling said well was completed on the 8th day of January, 1980.

And farther deponents saith not.

Sworn to and subscribed before me this 20th day of November, 1980.

My commission expires: August 13, 1989

*J. L. Weekley*  
*M. J. Akers, Jr.*  
*Larry A. Burdette*  
Notary Public.

Permit No. 47-057-0026