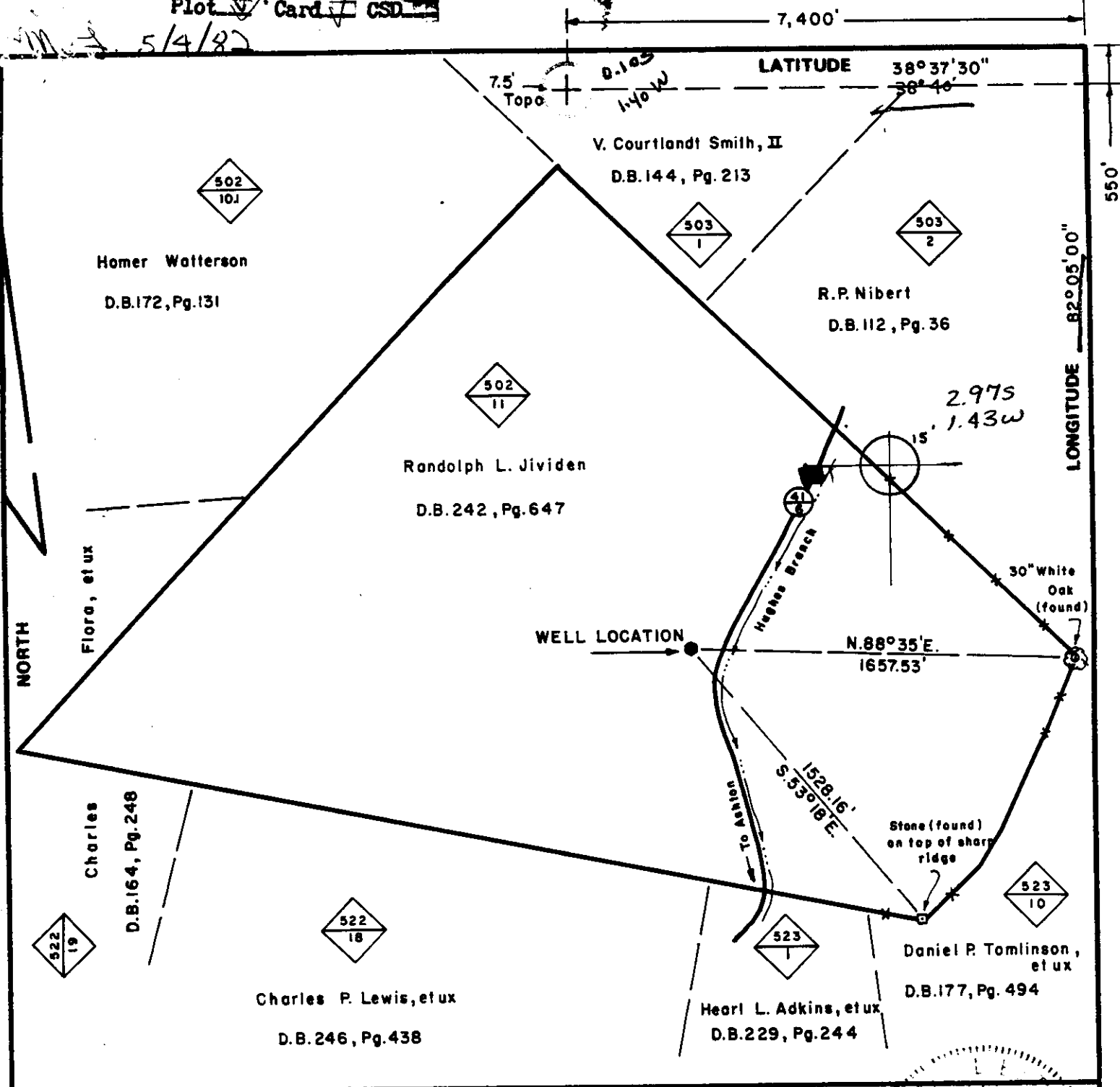


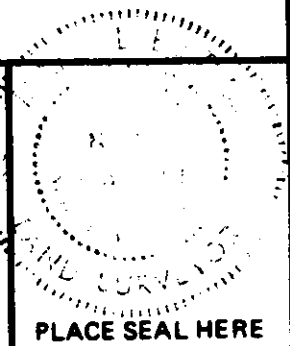
5/4/82



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 600'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION $\frac{E}{2}$ intersection of routes 41/1 and 41/10. Elev. 552.00

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) Ronald L. East
 R.P.E. _____ L.L.S. 150



PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE March 26, 19 82

OPERATOR'S WELL NO. 1-1809

API WELL NO.

47 - 053 - 0297-P
 STATE COUNTY PERMIT

FEB 21 1983

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___

LOCATION: ELEVATION 625.55 WATER SHED Hughes Branch

DISTRICT Hannan COUNTY Mason

QUADRANGLE Mount Olive Glenwood 15' C

SURFACE OWNER Randolph L. Jividen ACREAGE 176 ac.

OIL & GAS ROYALTY OWNER Randolph L. Jividen, et al LEASE ACREAGE 176 ac.

LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

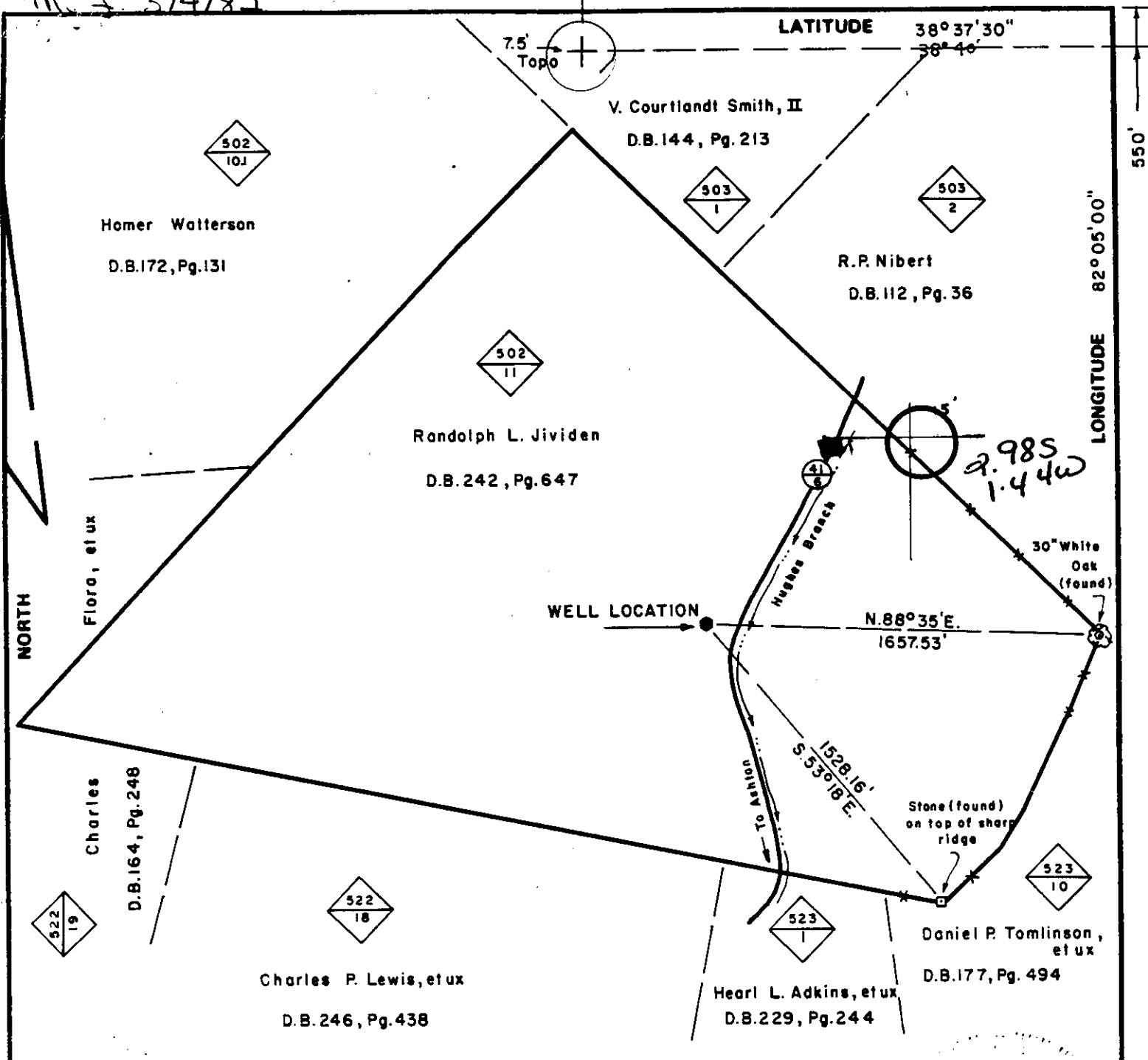
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION Precambrian-Crystalline Rock ESTIMATED DEPTH 12,000' 1-0 (0) unnamed

WELL OPERATOR Union Drilling, Inc. DESIGNATED AGENT Joseph C. Petley

ADDRESS Drawer 40 ADDRESS Drawer 40
Buckhannon, WV 26201 DEGDPWELL Buckhannon, WV 26201 Basement test

5/4/82



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 600'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION Intersection of routes 41/1 and 41/10. Elev. 552.00

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Ronald L. Smith
 R.P.E. _____ L.L.S. 150

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE March 26 19 82
 OPERATOR'S WELL NO. 1-1809
 API WELL NO. _____
47 - 053 - 0297
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 625.55 WATER SHED Hughes Branch
 DISTRICT Hannan COUNTY Mason
 QUADRANGLE Mount Olive Glenwood 15' C
 SURFACE OWNER Randolph L. Jividen ACREAGE 176 ac.
 OIL & GAS ROYALTY OWNER Randolph L. Jividen, et al LEASE ACREAGE 176 ac.
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Precambrian Crystalline Rock ESTIMATED DEPTH 12,000'
 WELL OPERATOR Union Drilling, Inc. DESIGNATED AGENT Joseph C. Petty
 ADDRESS Drawer 40 ADDRESS Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201

MAY 10 1982

deep



IV-35
(Rev 8-81)

Date January 7, 1983
Operator's
Well No. 1 - 1809
Farm Randolph Jividen
API No. 47 - 053 - 0297

RECEIVED State of West Virginia

JAN 12 1983

Department of Mines
Oil and Gas Division

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

WELL OPERATOR'S REPORT
OF

CONFIDENTIAL WELL ✓

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas x / Liquid Injection / Waste Disposal /
(If "Gas," Production x / Underground Storage / Deep x / Shallow /)

LOCATION: Elevation: 625.55' Watershed Hughes Branch
District: Hannan County Mason Quadrangle Mount Olive

COMPANY UNION DRILLING, INC.
ADDRESS P. O. Drawer 40
Buckhannon, WV 26201

DESIGNATED AGENT Joseph C. Vanzant, Jr.
ADDRESS P. O. Drawer 40
Buckhannon, WV 26201

SURFACE OWNER Randolph Jividen
ADDRESS P. O. Box 8074
South Charleston, WV 25303

MINERAL RIGHTS OWNER (1/2) Randolph Jividen
(1/2) Mary L. Haynes, 117 Walnut
St., Belpre, Ohio 45714

OIL AND GAS INSPECTOR FOR THIS WORK Kenneth
Butcher ADDRESS RFD #1
Barboursville, WV 25504

PERMIT ISSUED April 30, 1982

DRILLING COMMENCED 06/10/82

DRILLING COMPLETED 09/13/82 ✓

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON 12/27/82 ✓

| Casing Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------------|---------------------|-----------------|------------------------------|
| Size 20-16 Cord. | 128 | 128 | 478 |
| 13-10" | 2119 | 2119 | 1953 |
| 9 5/8 | 6427 | 6427 | 236 |
| 8 5/8 | | | |
| 7 | | | |
| 5 1/2 | 10166 | 10166 | 824 |
| 4 1/2 | | | |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Precambrian Depth 12000 feet

Depth of completed well 10,598 feet Rotary xx / Cable Tools

Water strata depth: Fresh 54, 68, feet; Salt 1320, 1342, feet

Coal seam depths: 107/110 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation None (Well Plugged 12/28/82) Pay zone depth feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in
(If applicable due to multiple completion--)

Second producing formation Pay zone depth feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

11/03/82 Dowell pumped 1000 Gal. 15% acid in hole. 11/04/82 McCullough perforated at 9842' - 9859' (9 holes). 11/05/82 Dowell pumped acid away. 11/08/82 Set retrievable plug, Dowell spotted 1000 gallon MSR acid. 11/09/82 McCullough perforated at 9720.5' Rome 9751' (10 holes). 11/10/82 Dowell respotted acid and pumped acid away. 11/15/82 Set retrievable plug and spot 1000 gallon MSR 15% acid. 11/16/82 McCullough perforated at 7750.5' - 7755' (10 holes). 11/17/82 Dowell pumped acid away. 12/3/82 Set retrievable packer. 12/4/82 McCullough perforated at 7759' - 7775'. 12/06/82 Set solid plug. 12/07/82 McCullough perforated at 7701' - 7731' (9 holes). No show of gas after each stage. Hole full of water, unable to swab dry.

Beckmantown

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|---------------------------------------|-------|--------------|----------|-------------|---|
| | | | | | Including indication of all fresh and salt water, coal, oil and gas |
| Surface | | | 0 | 43 | |
| Lime | | | 43 | 65 | @ 54' 1" stream water |
| Red Rock | | | 65 | 71 | @ 68' 2" stream water |
| Shale | | | 71 | 107 | @ 1320' 3" salt water |
| Coal | | | 107 | 110 | @ 1342' 2" salt water |
| Sand, Shale, Red Rock | | | 110 | 1265 | |
| Big Lime | | | 1265 | 1352 | |
| Sand & Shale | | | 1352 | 1552 | |
| Big Injun | | | 1552 | 1796 | |
| Shale and Sand | | | 1796 | 2052 | |
| Berea | | | 2052 | 2078 | |
| Devonian Shale | | | 2078 | 3704 | |
| Onondaga Limestone (Big Lime of Ohio) | | | 3704 | 4568 | |
| Rose Hill | | | 4568 | 4844 | |
| Tuscarora Sandstone (Clinton) | | | 4844 | 4950 | |
| Martinsburg -> Juniata | | | 4950 | 6353 | |
| Black River | | | 6353 | 7351 | |
| St. Peter | | | 7351 | 7438 | |
| Beckmantown | | | 7438 | 8066 | |
| Rose Run | | | 8066 | 8278 | |
| Copper Ridge | | | 8278 | 8972 | |
| Gonococheague | | | 8972 | 9117 | |
| Elbrook | | | 9117 | 9488 | |
| Rome | | | 9488 | 9978 | |
| Basal Sand | | | 9978 | 10564 | |
| Precambrian | | | 10564 | 10598 TD | |

KB = 20' Above GL.
2949 - 334 (391)
340 - 355
380 - 383 (10)
Rh 350 - 370 (28)

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By: Joseph C. Pettey

Date: 1/7/83 Joseph C. Pettey, Vice President of Production

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) UNION DRILLING, INC.
Address P. O. Drawer 40
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Precambrian - Crystalline Rock

Estimated depth of completed well, 12,000 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 | 13 3/8" | | 48# | x | | 2500' | 2500' | to surface | Kinds |
| Fresh Water | | | | | | | | | |
| Coal | | | | | | | | | Sizes |
| Intermediate | 9 5/8" | N-80 | 43 1/2# | x | | 7500' | 7500' | fill up as required | |
| Production | 5 1/2" | N-80 | 20# | x | | 12000' | 12000' | fill up as required | 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 dwelling 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,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 1-6-83

BY [Signature]

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.

WAIVER

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

confidential well

AFFIDAVIT OF PLUGGING AND FILLING WELL

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas", Production X / Underground storage ___ / Deep XXX / Shallow ___ /
LOCATION: Elevation: 625.55' Watershed: Hughes Branch
District: Hannan County: Mason Quadrangle: Mount Olive
WELL OPERATOR Union Drilling, Inc. DESIGNATED AGENT Joseph C. Vanzant, Jr.
Address P. O. Drawer 40 Address P. O. Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201

STATE OF WEST VIRGINIA,)
COUNTY OF UPSHUR) ss:

Joseph C. Pettey and Charles E. Starett

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; that they were employed by Union Drilling, Inc. the well operator, and participated in the work of plugging and filling the above well; that the work was commenced on December 28, 1982, and completed on December 28, 1982, in the following manner:

PERMITTED WORK: Plug and abandon XX / Clean out and replug ___ /

PLUGGING MATERIALS

| Type of Cement | Other Materials | Depth | Thickness |
|----------------|-----------------|-------|-----------|
| Class A | | 7743 | -7643 |
| | Gel | 7643 | -6250 |
| Class A | | 6250 | -6150 |
| | Gel | 6150 | -5030 |
| Class A | | 5030 | -4930 |
| | Gel | 4930 | -2160 |
| Class A | | 2160 | -2060 |
| | Gel | 2060 | - 50 |
| Class A | | 50 | - 0 |

Bridge Plugs Used--Type and Depth

VENT PIPE none

MISCELLANEOUS MATERIALS

CASING LOST 128' (20"), 2119' (13 3/8"), 4913.17' (9' 5/8"), 6250' (5 1/2")

TYPE OF RIG:

Owner: Well Op'r ___ / Contractor XXX

Rig time: ___ days plus ___ hours

COAL SEAMS (NAMES AND DEPTHS)

107/110

DESCRIPTION OF WELL MONUMENT

2 7/8" x 8' set in cement

Randolph Jividen #1 (1809)

47-053-0297

Plugged 12/28/82

RECEIVED

JAN 12 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Joseph C. Pettey (SEAL)
Charles E. Starett (SEAL)

MASON 297

Subscribed and sworn to before me this

10th day of January, 1983

My commission expires May 22, 1989

Sharon L. Kelly
Notary Public