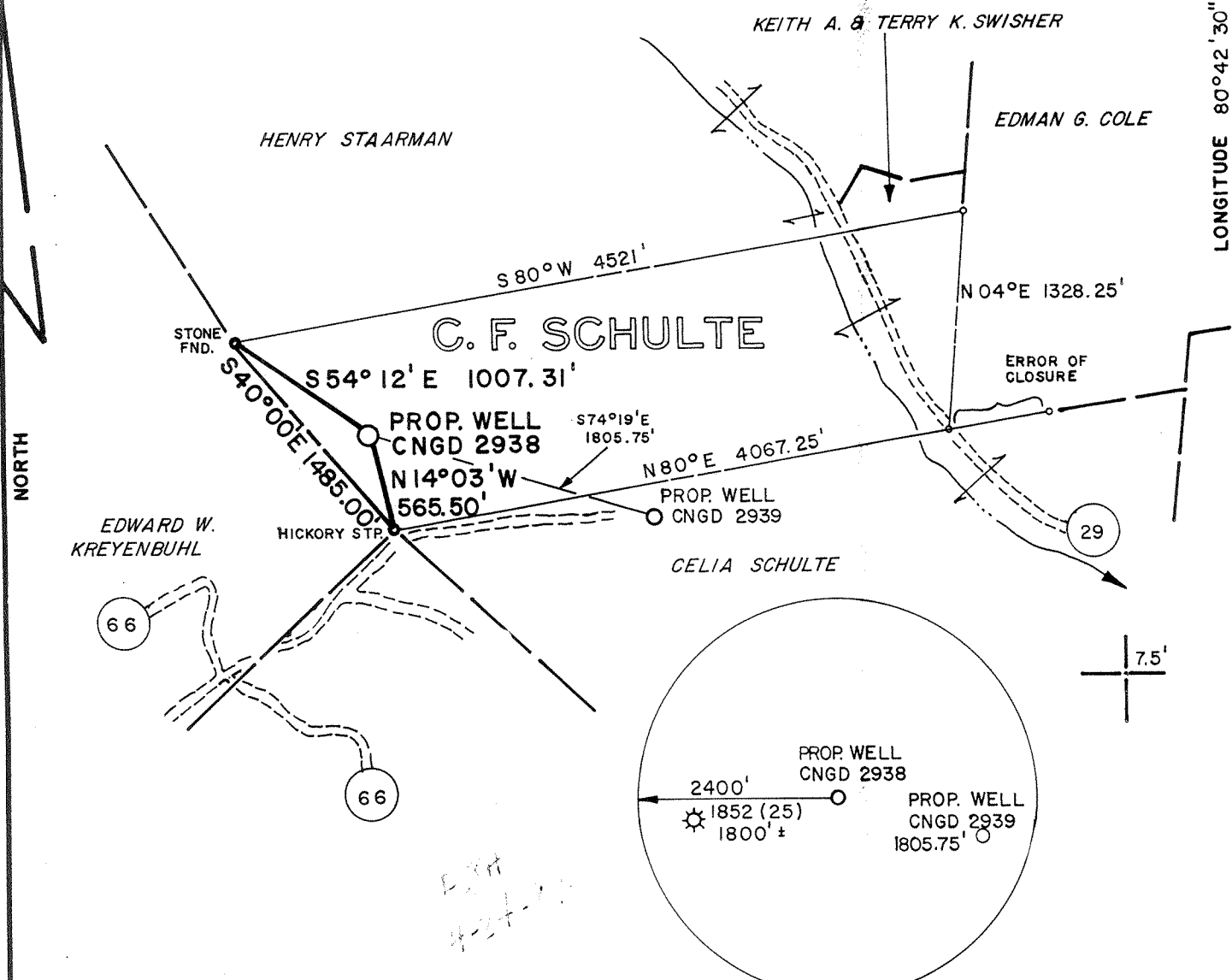


LATITUDE 39°10'00"

MAGNETIC REFERENCE TIES

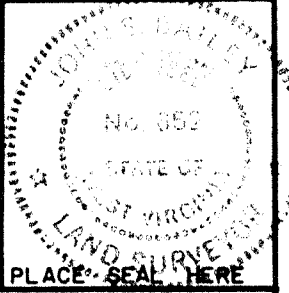
PROPOSED WELL TO AN 18" MAPLE CLUSTER, S 65°41' E 181.59'
PROPOSED WELL TO AN 18" POPLAR, N 54°22' E 234.11'

LONGITUDE 80°42'30"



FILE NO. MSES 87-754
 DRAWN BY VSH/RRC
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION B.M. ELEV. 888', 5000' SE OF LOCATION

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) John S. Bailey
 R. P. E. _____ L. L. S. 652



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



Department of Mines
 Oil & Gas Division

DATE MARCH 19, 19 87
 OPERATOR'S WELL NO. CNGD 2938
 API WELL NO. 47-017-3565
 STATE COUNTY PERMIT

CANCELLED

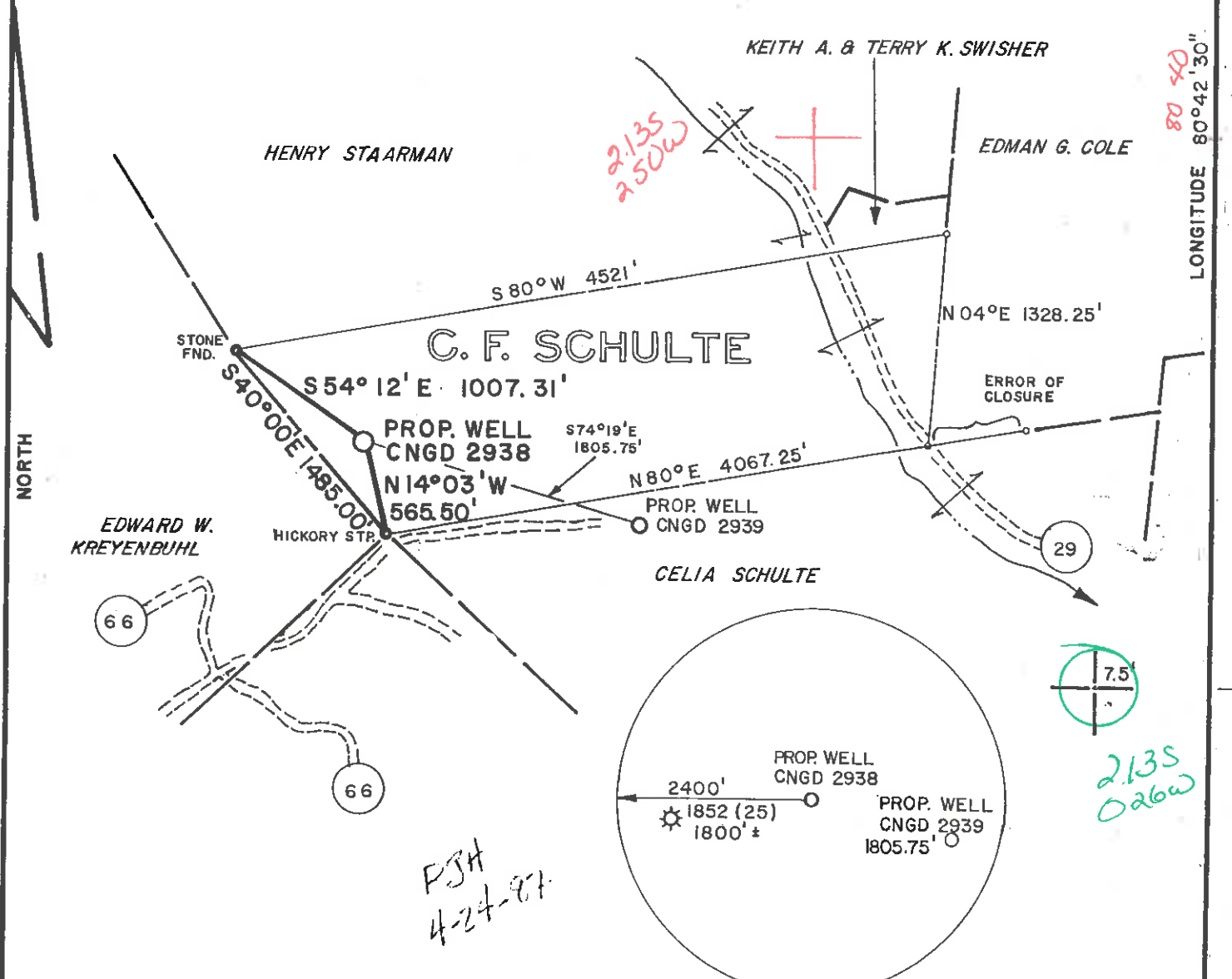
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1133.47' WATER SHED CARTER CAMP RUN OF THE LITTLE KANAWHA RIVER
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE: NEW MILTON, WV 7.5' NEAREST TOWN LEOPOLD
 SURFACE OWNER CELIA SCHULTE ACREAGE 117.25
 OIL & GAS ROYALTY OWNER C.F. SCHULTE LEASE ACREAGE 119
 LEASE NO. DV-16753
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) SEP 29 1989
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5580'
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS P. O. BOX 15746 ADDRESS ROUTE 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

2000 3565

MAGNETIC REFERENCE TIES

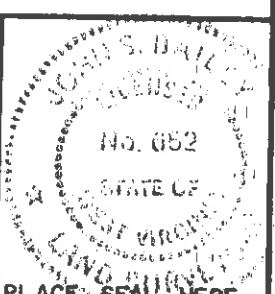
LATITUDE 39°10'00"

PROPOSED WELL TO AN 18" MAPLE CLUSTER, S 65°41' E 181.59'
PROPOSED WELL TO AN 18" POPLAR, N 54°22' E 234.11'



FILE NO. MSES 87-754
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 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION B.M. ELEV. 888', 5000' SE OF LOCATION

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) J. D. Bailey
 R.P.E. _____ L.L.S. 652



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



Department of Mines
 Oil & Gas Division

DATE MARCH 19, 19 87
 OPERATOR'S WELL NO. CNGD 2938
 API WELL NO. 47-017-3565
 STATE COUNTY PERMIT

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X)
 LOCATION: ELEVATION 1133.47' WATER SHED CARTER CAMP RUN OF THE LITTLE KANAWHA RIVER
 DISTRICT GOVE 2 COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON, WV 7.5' NEAREST TOWN LEOPOLD
 SURFACE OWNER CELIA SCHULTE ACREAGE 117.25
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 LEASE NO. DV-16753
 PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR
 STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW
 FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5580' JUL 13 1987
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS P.O. BOX 15746 ADDRESS ROUTE 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

MSES consultants, inc.

Clarksburg, WV

7/ RECEIVED JUN 24 1987



1) Date: April 29, 19 87
 2) Operator's Well No. CNGD 2938
 3) API Well No. 47 State 017 County 3565 Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1133.47 Watershed: Carter Camp Run of the Little Kanawha River
 District: Cove 2 County: Doddridge 017 Quadrangle: New Milton 510
- 6) WELL OPERATOR CNG Development Co. CODE: 10110 7) DESIGNATED AGENT Gary Nicholas
 Address c/o Cheryl S. Hartle P.O. Box 15746 Address Crosswind Corporate Park
 Pittsburgh, PA 15244 142 Rt. 2, Box 698, Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Mike Underwood Name Sam Jack Drilling Co.
 Address Route 2, Box 114 Address P.O. Box 48
 Salem, WV 26426 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Alexander 434
- 12) Estimated depth of completed well, 5580 feet
 13) Approximate trrata depths: Fresh, - feet; salt, - feet.
 14) Approximate coal seam depths: - Is coal being mined in the area? Yes - / No -

15) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | | FOOTAGE INTERVALS | | CEMENT FILLUP OR SACKS (Cubic feet) | PACKERS |
|-----------------------|----------------|-------|----------------|-----|------|-------------------|--------------|-------------------------------------|---------------|
| | Size | Grade | Weight per ft. | New | Used | For drilling | Left in well | | |
| Conductor | | | | | | 250 | 250 | | Kinds |
| Fresh water | 11-3/4 | H-40 | 42 | X | | 40 | 40 | To surface | By rule 15.05 |
| Coal | | | | | | | | | Sizes |
| Intermediate | 8-5/8 | X-42 | 23 | X | | 1400 | 1400 | To surface | By rule 15.05 |
| Production | 4-1/2 | J-55 | 10.5 | X | | 5580 | 5580 | 200 - 400 | Depths set |
| Tubing | 1-1/2 | CN-55 | 2.75 | X | | | | | by rule 15.01 |
| Liners | | | | | | | | | Perforations: |
| | | | | | | | | | Top Bottom |

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3565 Date July 10 19 87

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires July 10, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | | | | |
|-------|--------|-------|--------|----------------|------|-----|-------|
| Bond: | Agent: | Plat: | Casing | Fee 213 019304 | WPCP | S&E | Other |
|-------|--------|-------|--------|----------------|------|-----|-------|

NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

16354