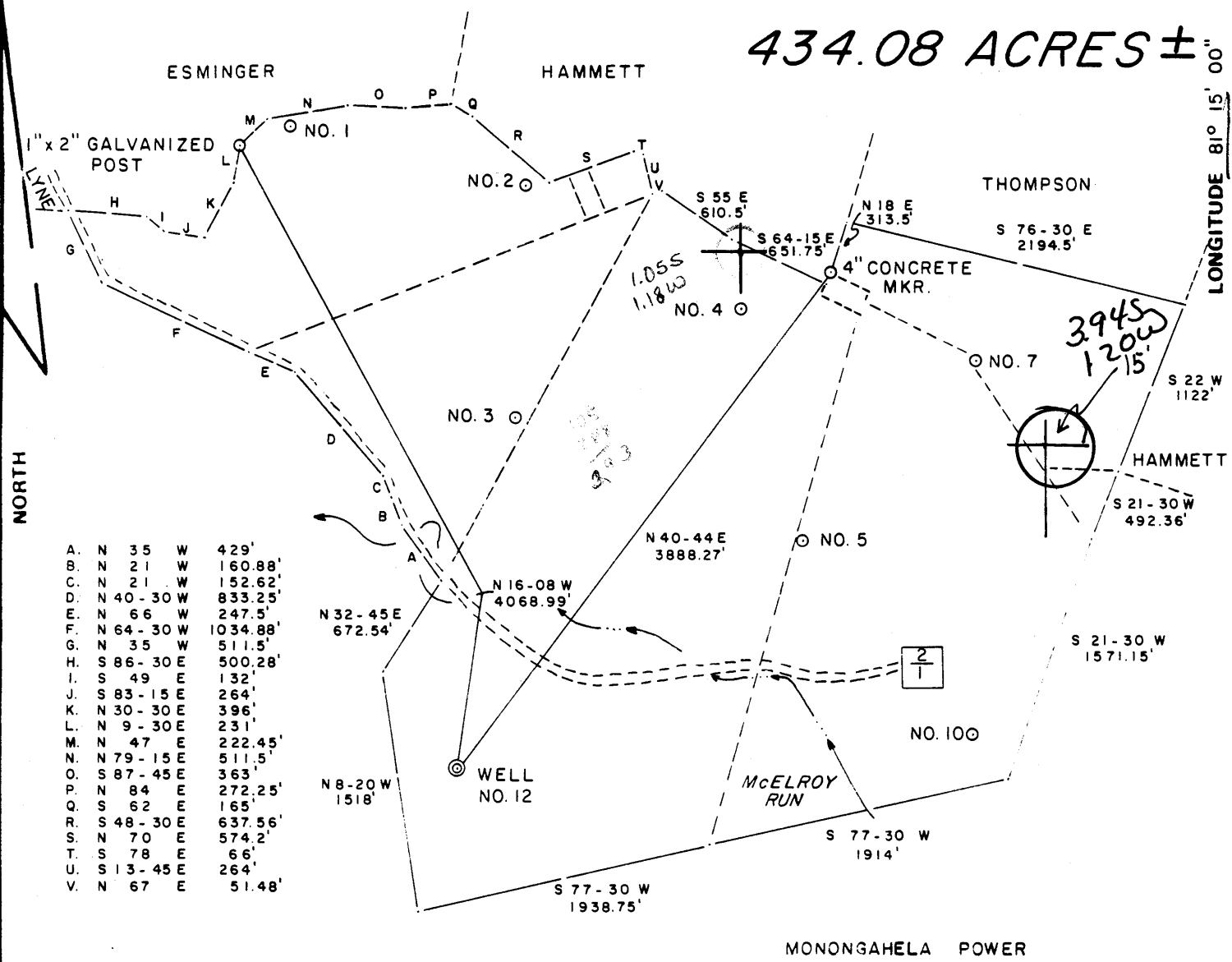


MON-POWER LEASE WELL NO. 12

434.08 ACRES ±



| | | | | |
|----|---|-------|---|----------|
| A. | N | 35 | W | 429' |
| B. | N | 21 | W | 160.88' |
| C. | N | 21 | W | 152.62' |
| D. | N | 40-30 | W | 833.25' |
| E. | N | 66 | W | 247.5' |
| F. | N | 64-30 | W | 1034.88' |
| G. | N | 35 | W | 511.5' |
| H. | S | 86-30 | E | 500.28' |
| I. | S | 49 | E | 132' |
| J. | S | 83-15 | E | 264' |
| K. | N | 30-30 | E | 396' |
| L. | N | 9-30 | E | 231' |
| M. | N | 47 | E | 222.45' |
| N. | N | 79-15 | E | 511.5' |
| O. | S | 87-45 | E | 363' |
| P. | N | 84 | E | 272.25' |
| Q. | S | 62 | E | 165' |
| R. | S | 48-30 | E | 637.56' |
| S. | N | 70 | E | 574.2' |
| T. | S | 78 | E | 66' |
| U. | S | 13-45 | E | 264' |
| V. | N | 67 | E | 51.48' |

FILE NO. 10-40
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION T.B.M. MON-POWER CO. ELEV. 826.61'

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) Gregory A. Smith
 R.P.E. _____ L.L.S. 677



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



DATE MARCH 16, 19 83
 OPERATOR'S WELL NO. 12
 API WELL NO. _____
47 - 073 - 1635
 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 ___ SHALLOW X
 LOCATION ELEVATION 971 WATERSHED McELROY RUN
 DISTRICT ___ GRANT ___ COUNTY PLEASANTS
 QUADRANGLE WILLOW ISLAND 7.5' Marietta 15' EC
 SURFACE OWNER MONONGAHELA POWER COMPANY ACREAGE 434.08
 OIL & GAS ROYALTY OWNER MONONGAHELA POWER COMPANY LEASE ACREAGE 1158.22
 LEASE NO. _____
 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 MARCELLUS ESTIMATED DEPTH 5200'
 WELL OPERATOR GENE STALNAKER, INC. DESIGNATED AGEN GENE STALNAKER, INC. MAY 09 1983
 ADDRESS P.O. BOX 178 ADDRESS P.O. BOX 178
GLENVILLE, W.V. 26351 GLENVILLE, W.V. 26351

PLEASANTS 1635



IV-35
(Rev 8-81)

RECEIVED
MAR 7 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date March 6, 1985
Operator's Well No. Mon-Power # 12
Farm Mon-Power
API No. 47 - 073 - 1635

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 971 Watershed McElroy Run
District: Grant County Pleasants Quadrangle Willow Island 7.5

COMPANY Gene Stalnaker, Inc.
ADDRESS P.O. Box 178 Glenville, WV
DESIGNATED AGENT Gene Stalnaker
ADDRESS P.O. Box 178 Glenville, WV
SURFACE OWNER Monongahela Power Company
ADDRESS Fairmont Ave. Fairmont, WV
MINERAL RIGHTS OWNER Monongahela Power Co.
ADDRESS Fairmont Ave. Fairmont, WV
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther ADDRESS Middlebourne, Wv
PERMIT ISSUED May 2, 1983
DRILLING COMMENCED May 25, 1983
DRILLING COMPLETED May 31, 1983
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

| Casing & Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------|------------------|--------------|------------------------|
| Size 20-16 Cond. | | | |
| 13-10" | 40' | 0 | 0 |
| 9 5/8 | | | |
| 8 5/8 | 1100 | 1072 | 275 sks. |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | 5060 | 5048 | 540 sks |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Marcellus Depth 5200 feet
Depth of completed well 5048 feet Rotary X / Cable Tools
Water strata depth: Fresh None feet; Salt None feet
Coal seam depths: n/a Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 1837-5021 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow n/a ? Mcf/d Final open flow n/a ? Bbl/d
Time of open flow between initial and final tests n/a hours
Static rock pressure n/a psig (surface measurement) after n/a 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

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

Perforating started in the Gantz section with the top perforation at 1837' and continued with 76 perfs through the Marcellus stage with the bottom perforation at 5021'. There was a 5 stage fracturing job covering the Marcellus, Kane, Balltown, Gordon and Gantz formation. We feel that the flow of oil and gas was increased from what was originally encountered due to the operation.

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|-------------------|-------|--------------|----------|-------------|--|
| Soil | | | 0 | 10 | |
| Sandstone & Shale | | | 10 | 100 | |
| Sandstone & Shale | | | 100 | 500 | |
| Sandstone & Shale | | | 500 | 1100 | |
| Sandstone | | | 1100 | 1180 | |
| Shale | | | 1180 | 1238 | |
| Big Lime | | | 1238 | 1272 | |
| Shale | | | 1272 | 1294 | |
| Big Injun | | | 1294 | 1316 | |
| Shale | | | 1316 | 1716 | |
| Berea | | | 1716 | 1728 | |
| Shale | | | 1728 | 2620 | |
| Warren | | | 2620 | 2652 | |
| Shale | | | 2652 | 3250 | |
| Balltown | | | 3250 | 3292 | |
| Shale | | | 3292 | 4004 | |
| First Benson | | | 4004 | 4044 | |
| Shale | | | 4044 | 4130 | |
| Second Benson | | | 4130 | 4168 | |
| Shale | | | 4168 | 4858 | |
| Manhatango | | | 4858 | 5014 | |
| Marcellus | | | 5014 | 5060 | |

Rhinestreet
@T.D.

5060
071
1070

(Attach separate sheets as necessary)

Gene Stalnaker, Inc.
Well Operator

By: Gene Stalnaker

Date: 3-6-85

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 those encountered in the drilling of a well."



1) Date: April 22, 1983
 2) Operator's Well No. Mon-Power # 12
 3) API Well No. 47 073 1635

DRILLING CONTRACTOR:

Gene Stalaker, Inc.

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

P.O. Box 178
Clawville, WV 26351

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil Gas B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 975 Watershed: Madison Run District: Code County: Fleming Wilson Island 7.5
- 6) WELL OPERATOR: Gene Stalaker, Inc. 11) DESIGNATED AGENT: Gene Stalaker
 Address: P.O. Box 178 Address: P.O. Box 178
Clawville, WV 26351 Clawville, WV 26351
- 7) OIL & GAS ROYALTY OWNER: Monongahela Power Co. 12) COAL OPERATOR: M/A
 Address: 1310 Fairmont Ave. Address: _____
Fairmont, WV
- 8) SURFACE OWNER: Monongahela Power Co. 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address: 1310 Fairmont Ave. Name: _____ Address: _____
Fairmont, WV Name: _____ Address: _____
- 9) FIELD SALE (IF MADE) TO: _____ 14) COAL LESSEES WITH DECLARATION ON RECORD:
 Address: _____ Name: _____ Address: _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED: _____
 Name: Robert Lumber Address: Madison Run
750-178
- 15) PROPOSED WORK: Drill / Drill deeper / Re-drill / Plug off old formation / Plug off old formation / Patching new formation / Other physical change in well vicinity _____
- 16) GEOLOGICAL TARGET FORMATION: Madison Shale
- 17) Estimated depth of completed well: 1100 feet
- 18) Approximate water table depth: Fresh, 100 feet
- 19) Approximate coal seam depth: M/A Is coal being mined in the area? Yes

20) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | FOOTAGE | PERCENTAGE | PACKERS |
|-----------------------|------------------|-------------|------------|---------|
| Casings | <u>11 3/4"</u> | <u>40'</u> | | |
| Production | | | | |
| Intensifier | <u>8 1/2" OD</u> | <u>100'</u> | | |
| Production | <u>4 1/2" ID</u> | <u>100'</u> | | |
| Tubing | | | | |
| Lines | | | | |

- 21) EXTRACTION RIGHTS: _____
- 22) ROYALTY PROVISIONS: _____
- 23) Required Copies (See reverse side): _____
- 24) Copies of this Permit Application and the attached plan and declaration must have been made by the applicant and delivered by hand to the above named coal operator, coal owner, or surface lessee on or before the day of the filing of this Permit Application to the Department of Mines, Oil and Gas, West Virginia.
- Notary: _____
 My Commission Expires: _____

Permit expires: January 2, 1984

| | | | | |
|--------|--------|-------|--------|------|
| Filed: | Agent: | File: | Class: | Fee: |
| | | | | |

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