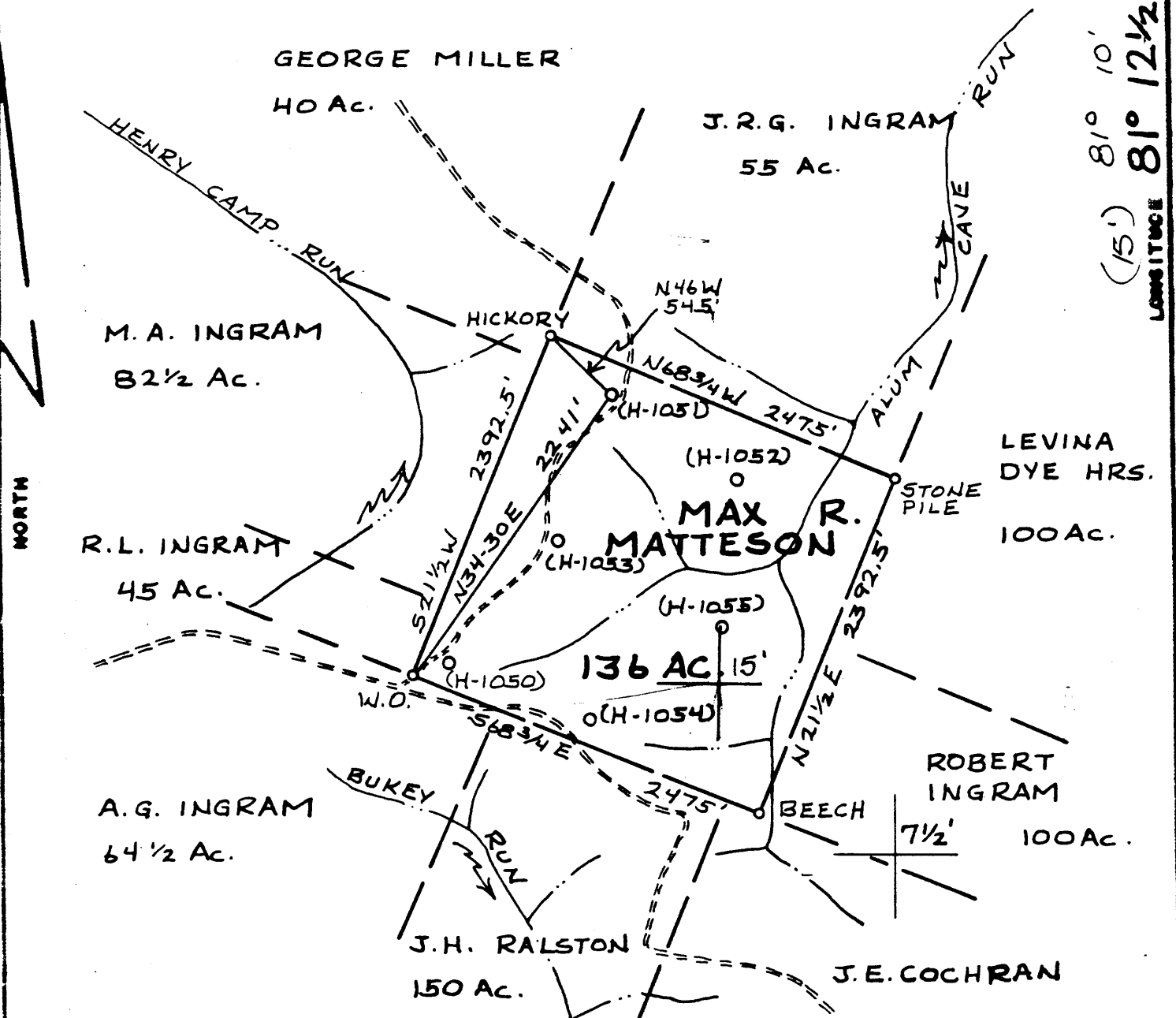


LATITUDE 39° 22 1/2'
(15') 39° 25'
13,000' SOUTH
3,700' WEST

LONGITUDE 81° 10'
(15') 81° 12 1/2'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH POINT 1163'

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) Willie R. Moore
 R.P.E. _____ L.L.S. JSJ

PLACE SEAL HERE

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



DATE 12 AUGUST, 1980
 OPERATOR'S WELL NO. H-1051
 API WELL NO. 47-073-0934-Rm
 STATE COUNTY PERMIT

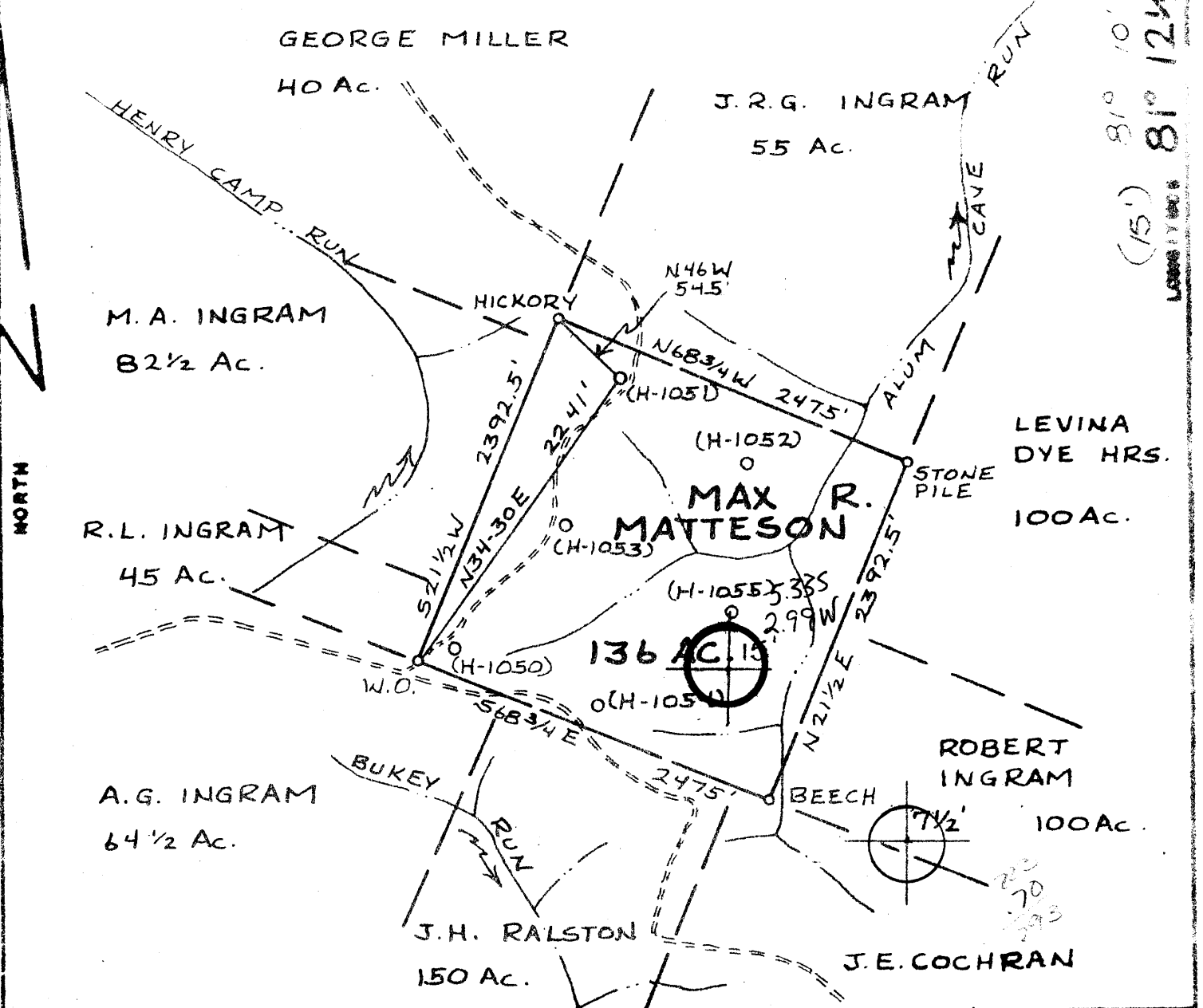
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1154' WATER SHED HENRY CAMP RUN
 DISTRICT JEFFERSON COUNTY PLEASANTS
 QUADRANGLE SCHULTZ, W.VA. 7 1/2' QUAD. ST. MARY'S 15'
 SURFACE OWNER MAX R. MATTESON ACREAGE 136
 OIL & GAS ROYALTY OWNER MAX R. MATTESON LEASE ACREAGE 136
 LEASE NO. _____
 PROPOSED WORK: DRILL 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 SHALE ESTIMATED DEPTH 4000'
 WELL OPERATOR HAUGHT INC. DESIGNATED AGENT WARREN HAUGHT
 ADDRESS SMITHVILLE, W.VA. 26178 ADDRESS SMITHVILLE, W.VA. 26178

LATITUDE $39^{\circ} 22\frac{1}{2}'$
 (15') $39^{\circ} 25'$
 13,000' SOUTH
 3,700' WEST

(15') $81^{\circ} 10'$
 (15') $81^{\circ} 12\frac{1}{2}'$
 LONGITUDE



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH POINT 1163'

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) *Willie R. Moore*
 R.P.E. _____ L.L.S. *J.S.*

PLACE SEAL HERE

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



DATE 12 AUGUST, 1980
 OPERATOR'S WELL NO H-1051
 API WELL NO. 47-073-0934
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1154' WATER SHED HENRY CAMP RUN
 DISTRICT JEFFERSON COUNTY PLEASANTS
 QUADRANGLE SCHULTZ, W.VA. 7 1/2' QUAD. ST. MARYS 15' WC
 SURFACE OWNER MAX R. MATTESON ACREAGE 136
 OIL & GAS ROYALTY OWNER MAX R. MATTESON LEASE ACREAGE 136
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUS AND ABANDON _____ CLEAN OUT AND REPLUS _____
 TARGET FORMATION SHALE ESTIMATED DEPTH 4000'
 WELL OPERATOR HAUGHT INC. DESIGNATED AGENT WARREN HAUGHT
 ADDRESS SMITHVILLE, W.VA. 26178 ADDRESS SMITHVILLE, W.VA. 26178



279

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle St. MARYS

Permit No. PLEA-934 *A*

WELL RECORD

Oil or Gas Well Gas

(KIND)

Company Hope Natural Gas Company
Address Clarksburg, West Virginia
Farm S. C. Hammitt Acres 1187

Location (waters) _____
Well No. 1693 Elev. 833'

District Jefferson and Grant Pleasant and Ritchie

The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by _____
Address _____

Drilling commenced Feb. 16, 1897
Drilling completed Mar. 21, 1897

Date Shot 9/1/23 From Injun To _____
With _____

Open Flow 10ths Water in _____ Inch
10ths Merc. in _____ Inch

Volume Exhausted Cu. Ft.

Rock Pressure ?????? lbs. hrs.

Oil None bbls., 1st 24 hrs.

WELL ACIDIZED No

WELL FRACTURED No

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|-----------------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | | | |
| 10 | 85' | 85' | Size of <u>6x2x16</u> |
| 8 1/4 | 525' | None | <u>6x2 6-1/4x2</u> |
| 6 1/4 | 923' | 923' | Depth <u>1580</u> |
| XXXXX 2 Tub. | 1804' | None | <u>562 1562 1545</u> |
| 3 | 1797' 8" | 8" | Perf. top _____ |
| 2 | 193' | 6' | Perf. bottom _____ |
| 3 1/2 | 1562' | None | Perf. top _____ |
| Liners Used | 1767' | 1767' | Perf. bottom _____ |

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

No cementing

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

No Coal FEET _____ INCHES FEET _____ INCHES

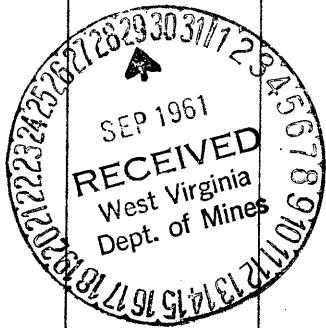
FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 850' Feet Salt Water _____ Feet

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|--------------|-------|--------------|------|--------------|-------------------|-------|---------|
| Dunkard Sand | | | 735 | 915 | Water at | 850 | |
| Salt Sand | | | 1075 | 1239 | | | |
| Injun Sand | | | 1647 | 1862 | Gas at | 1647 | |
| Total Depth | | | | 1785 | | | |
| | | | | 1789-9/15/23 | | | |
| | | | | 1755-4/14/42 | | | |



September 28, 1961

APR 6 1962

Jack Bailey
H. N. G. Co.



1) Date: April 12, 1983
2) Operator's Well No. H-1051
3) API Well No. 50 073 - 0034-REN.
State _____ County _____ Permit _____

DRILLING CONTRACTOR:

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

RENEWAL

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 1154' / Watershed: Henry Camp Run
District: Jefferson / County: Fleming / Township: Schultz 74
- 6) WELL OPERATOR: Haught, Inc. / (1) DESIGNATED AGENT: Warren R. Haught
Address: 4424 Emerson Ave. / Address: Rt. 3, Box 14
Parkersburg, WV 26104 / Smithville, WV 26178
- 7) OIL & GAS ROYALTY OWNER: Max R. Matteson / (2) COAL OPERATOR: NONE
Address: 378 Mt. View Rd. / Address: _____
Barre, VA 19312 / _____
- 8) SURFACE OWNER: Max R. Matteson / (3) COAL OWNER(S) WITH DECLARATION ON RECORD:
Address: same / Name: _____
Address: _____ / Name: _____
- 9) FIELD SALE (IF MADE) TO: Consolidated Gas Supply / (4) COAL LESSEE WITH DECLARATION ON RECORD:
Address: 455 West Main St. / Name: _____
Clarksburg, WV 26301 / Address: _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED: _____ / Name: Robert Lowther / Address: Gas Dept
Middlesboro, WV 26149

- 15) PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
Plug off old formation _____ / Perforate new formation _____
Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION: Durbin Shale
- 17) Estimated depth of completed well, 5000' feet
- 18) Approximate water table depths: Fresh, _____ feet; salt, _____ feet
- 19) Approximate coal seam depths: _____ feet. Is coal being mined in the area? Yes

20) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP | PACKERS |
|-----------------------|----------------|-------------|-------------|------------|-------------------|--------------|-------------------------|-------------|
| | Size | Grade | Wt. per ft. | New / Used | For drilling | After well | | |
| Conductor | | | | | | | | |
| Flow water | <u>8-5/8</u> | <u>X-55</u> | <u>200</u> | <u>X</u> | <u>1260'</u> | <u>1254'</u> | <u>Surface to 1254'</u> | <u>None</u> |
| Coal | | | | | | | | |
| Intermediate | | | | | | | | |
| Production | <u>4 1/2</u> | <u>J-55</u> | <u>10.5</u> | <u>X</u> | | <u>5000'</u> | <u>1254' to 5000'</u> | <u>None</u> |
| Tubing | | | | | | | | |
| Liners | | | | | | | | |

- 21) EXTRACTOR RIGHTS: _____
- 22) ROYALTY PROVISIONS: Is the right to extract, produce or market the oil or gas based upon a lease or other coexisting contract or contracts providing for flatwork royalty or any other royalty for the oil or gas extracted? Yes
- 23) Required Copies (See reverse side): _____
- 24) Copies of this Permit Application and the enclosed plan and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owners, and coal lease owners before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.
- Notary: [Signature] / My Commission Expires: April 6, 1992

DEPARTMENT ONLY

December 20, 1983

| | | | | |
|-----------------|---------------------------|--------------------------|--------------------------|------------------|
| Book: <u>CB</u> | Agent: <u>[Signature]</u> | Plan: <u>[Signature]</u> | Case: <u>[Signature]</u> | Fee: <u>3767</u> |
|-----------------|---------------------------|--------------------------|--------------------------|------------------|

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



STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil x / Gas x /
(If "Gas", Production x / Underground storage ___ / Deep ___ / Shallow x /

LOCATION: Elevation: 1154' Watershed: Alum Cave Run
District: Jefferson County: Pleasants Quadrangle: Schultz, WV 7 1/2

WELL OPERATOR Haught, Inc.
Address Rt. 3 Box 14
Smithville, WV 26178

DESIGNATED AGENT Warren R. Haught
Address Smithville, WV 26178

OIL AND GAS
ROYALTY OWNER Max R. Matteson
Address 578 Mt. View Rd.
Berwyn, Pa. 19312
Acreage 136

COAL OPERATOR None
Address _____

SURFACE OWNER Max R. Matteson
Address 578 Mt. View Rd.
Berwyn, Pa. 19312
Acreage 136

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME Columbia Gas Transmission Corp.
Address P. O. Box 1273
Charleston, WV

NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME APhillip L. Tracy
Address P. O. Box 173
Middlebourne, WV 26149
Telephone 758-4573

COAL LESSEE WITH DECLARATION ON RECORD:
NAME None
Address _____

RECEIVED

NOV 17 1981
OIL AND GAS DIVISION
WV DEPARTMENT 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 April 29 1980 to the undersigned well operator from Max R. Matteson

(If said deed, lease, or other contract has been recorded:)

Recorded on June 2, 1980, in the office of the Clerk of County Commission of 156 Pleasants County, West Virginia, in Deed 156 Book/at page 165. 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 a 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 receipt of this Application by the Department of Mines. 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 lessees on or before the day of the mailing or delivery of this 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
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

Haught, Inc.
Well Operator

By: Warren R. Haught
Its: President

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Haight, Inc.
Address Rt. 3 Box 14
Smithville, WV 26178

GEOLOGICAL TARGET FORMATION Devonian Shale
Estimated depth of completed well 4000 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, feet; salt, feet.
Approximate coal seam depths: None
Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New, Used), FOOTAGE INTERVALS (For Drill-ling, Left in Well), CEMENT FILL (UP OR SACKS, Cubic ft.), PACKERS (Kinds, Surface, Sizes, Depths set, 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 822-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code 822-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code 822-4-12a, and (v) if applicable, the consent required by Code 822-4-8a 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, of the W. Va. Code, the location is hereby approved for Drilling Renewed. This permit shall expire if operations have not commenced by 7-23-82

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 822-4-20, 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 regularions.

Date: , 19 .

By:

Its:

[08-78]

Operator's Well No. H-1051
API Well No. 27 - 073 0934

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION

RECEIVED
AUG 21 1980

OIL & GAS DIVISION
DEPT. OF MINES

WELL TYPE: Oil X / Gas X /
(If "Gas", Production X / Underground storage _____ Deep _____ Shallow X /)
LOCATION: Elevation: 1154' Watershed: Henry Camp Run
District: Jefferson County: Pleasants Quadrangle: Schultz, W.V. 7 1/2'

WELL OPERATOR Haught, Inc.
Address Route 3, Box 14
Smithville, WV 26178

DESIGNATED AGENT Warren R. Haught
Address Smithville, WV 26178

OIL & GAS ROYALTY OWNER Max R. Matteson
Address 578 Mt. View Rd.
Berwyn, Pa. 19312

COAL OPERATOR None
Address _____

ACREAGE 136
SURFACE OWNER Max R. Matteson
Address 578 Mt. View Rd.
Berwyn, Pa. 19312
ACREAGE 136

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip L. Tracy
Address P.O. Box 173
Middlebourne, W.V. 26149

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 April 29, 19 80, to the undersigned well operator from Max R. Matteson.
[If said deed, lease, or other contract has been recorded:]

Recorded on June 2, 19 80, in the office of the Clerk of the County Commission of Pleasants County, West Virginia, in Deed Book 156 at page 165. 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

Haught, Inc.
Well Operator
By Warren R. Haught
President

BLANKET BOND

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Haught, Inc.
Address Smithville, WV 26178

GEOLOGICAL TARGET FORMATION, Shale

Estimated depth of completed well, 4000' feet Rotary Cable tools
Approximate water strata depths: Fresh, 75' feet; salt, _____ feet.
Approximate coal seam depths: None Is coal being mined in the area? Yes _____ No

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 | | | | | | | | | Kinds |
| Fresh water | 8 5/8 | K-55 | 20# | X | | 200' | 200' | 75 sacks | |
| Coal | | | | | | | | | Sizes |
| Intermediate | | | | | | | | | |
| Production | 4 1/2 | J-55 | 10.5# | X | | | 4000' | 100 sacks | Depths set |
| Logging | | | | | | | | | |
| Loggers | | | | | | | | | 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-3, "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 § 22-4-3e 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, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 4-29-81.

Thomas E. Huggery
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 _____

APPROVED