

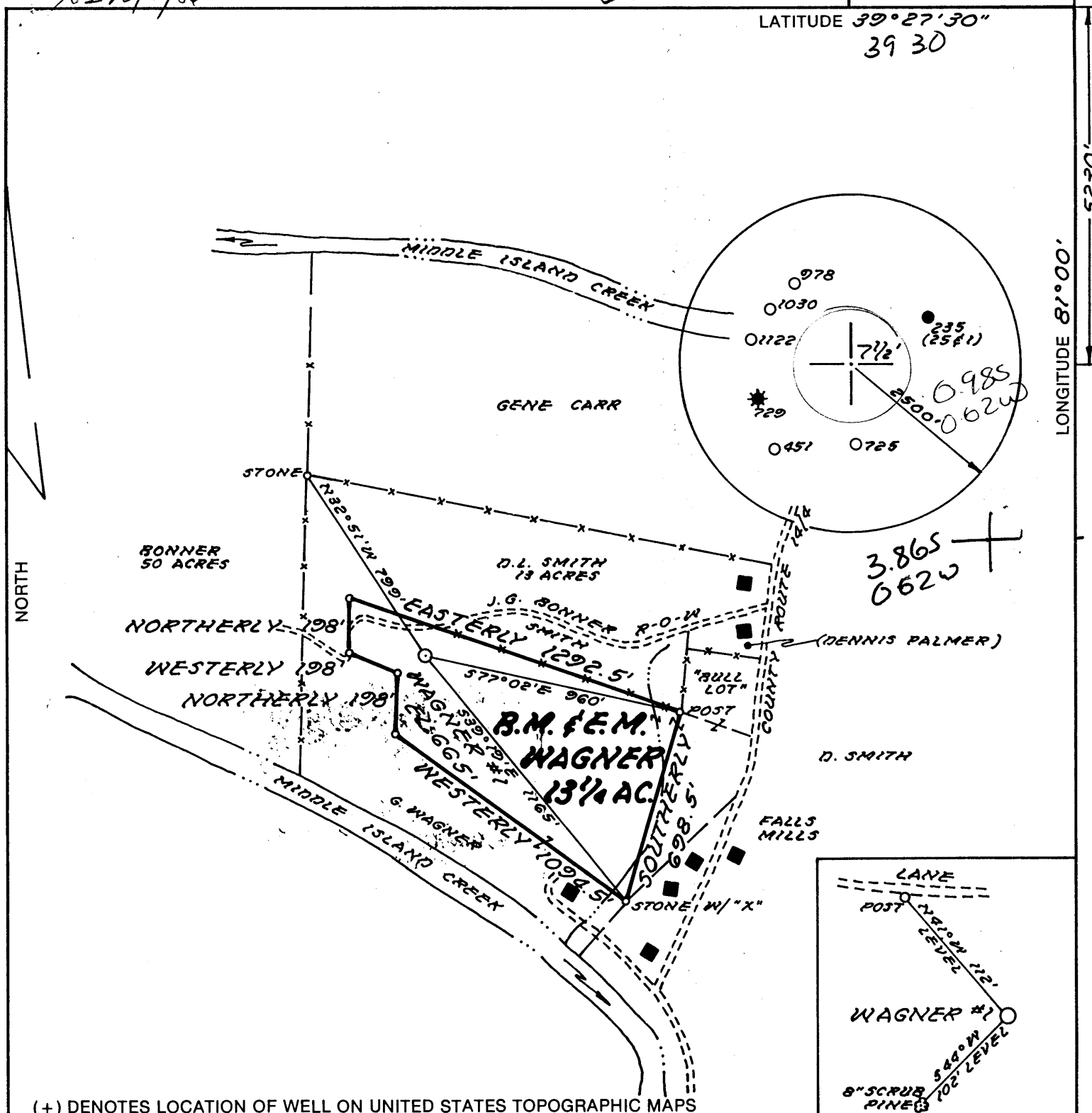
AS 10/2/86

✓

3300'

LATITUDE 39° 27' 30"
39 30

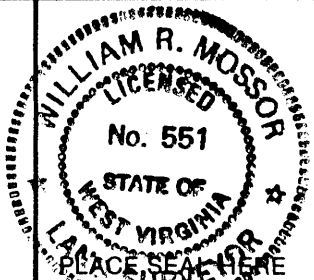
LONGITUDE 81° 00' 00"



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

FILE NO. MB10-7
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD INT. 631'

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 ENERGY.
 (SIGNED) William R. Mossor
 R.P.E. _____ L.L.S. 551



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE 6 SEPTEMBER 1986
 OPERATOR'S WELL NO. WAGNER #1
 API WELL NO. _____

47 - 095 - 1160
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 665' WATER SHED MIDDLE ISLAND CREEK
 DISTRICT UNION COUNTY TYLER
 QUADRANGLE BENS RUN 7 1/2' 24 116 NE 3 St Marys
 SURFACE OWNER BETTY M. & EUGENE M. WAGNER ACREAGE 13 1/4
 OIL & GAS ROYALTY OWNER B.M. & E.M. WAGNER LEASE ACREAGE 13 1/4

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 MARCELLUS SHALE ESTIMATED DEPTH 5999'
 WELL OPERATOR HI-WEST PETRO. EXPLOR. DESIGNATED AGENT KAREN SAYER
 ADDRESS 469 ORANGE AVE. ADDRESS 4 1/2 STREET
ORLANDO, FLA. 32801 604 WILLIAMSTOWN, W.V. 26187

OCT 6 1986

6-6 Shloh-Wick

(86)

FORM WW-6

COUNTY NAME PERMIT

IV-35
(Rev 8-81)

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



State of West Virginia
Department of Mines
Oil and Gas Division

Date October 30, 1986
Operator's
Well No. Wagner #1
Farm Eugene M. & Betty M. Wagner
API No. 47 - 095 - 1160

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

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

LOCATION: Elevation: 664' Watershed Middle Island Creek
District: Union County Tyler Quadrangle Bens Run

COMPANY Hi-West Petro-Exploration
ADDRESS P.O. Box 1062, Marietta, Ohio 45750
DESIGNATED AGENT Karen Sayer
ADDRESS 4 1/2 Street, Williamstown, WV 26187
SURFACE OWNER Eugene M. & Betty M. Wagner
ADDRESS Rt. #1, Box 134, Sistersville, WV 26175
MINERAL RIGHTS OWNER Same
ADDRESS Same

| Casing & Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------|------------------|--------------|------------------------|
| Size 20-16 Cond. | | | |
| 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 344' | Yes | Cemented to Surface |
| 7 | 1445' | Yes | No |
| 5 1/2 | | | |
| 4 1/2 | | | |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

OIL AND GAS INSPECTOR FOR THIS WORK
General Delivery
Robert Lowther ADDRESS Middlebourne, WV 26149
PERMIT ISSUED October 2, 1986
DRILLING COMMENCED October 3, 1986
DRILLING COMPLETED October 10, 1986

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

GEOLOGICAL TARGET FORMATION Keener & Big Injun Depth 1600' feet
Depth of completed well 1583' feet Rotary XX / Cable Tools _____
Water strata depth: Fresh 70'-95' feet; Salt Sulfur 320'-330' feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 1572' - 1583' feet
Gas: Initial open flow 350,000 Mcf/d Oil: Initial open flow 0 Bbl/d
natural well Final open flow 350,000 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests _____ hours
Static rock pressure 450 psig (surface measurement) after 12 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

JAN 12 1987
(Continue on reverse side)

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

None
Completed Natural ✓

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|---------------|-------|--------------|----------|-------------|---|
| | | | | | Including indication of all fresh and salt water, coal, oil and gas |
| Slate & Shale | | | 0 | 45 | |
| Sand | | | 45 | 90 | Fresh Water |
| Slate & Shale | | | 90 | 320 | Set 8 5/8" Casing to 344' |
| Sand | | | 320 | 335 | Sulfur Water |
| Slate & Shale | | | 335 | 400 | |
| Lime | | | 400 | 550 | |
| Shale - Red | | | 550 | 625 | |
| Sand | | | 625 | 655 | |
| Shale | | | 655 | 710 | |
| Sand | | | 710 | 743 | |
| Shale | | | 743 | 809 | |
| Sand | | | 809 | 855 | |
| Shale & Slate | | | 855 | 891 | |
| Sand | | | 891 | 926 | |
| Shale & Lime | | | 926 | 1044 | |
| Sand | | | 1044 | 1105 | |
| Shale | | | 1105 | 1156 | |
| Sand | | | 1156 | 1201 | |
| Shale | | | 1201 | 1264 | |
| Slate & Shale | | | 1264 | 1320 | |
| Sand | | | 1320 | 1365 | |
| Shale | | | 1365 | 1410 | |
| Sand | | | 1410 | 1454 | Ran 7" to 1445' |
| Lime | | | 1454 | 1520 | |
| Sand & Lime | | | 1520 | 1550 | |
| Shale | | | 1550 | 1574 | |
| Sand | | | 1574 | 1583 TD | Injun Sand - Gas |

(Attach separate sheets as necessary)

HI-WEST PETROLEUM EXPLORATION
Well Operator
By: [Signature]
Date: OCTOBER 30, 1986

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."

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1) Date: September 22, 1986
 2) Operator's Well No. Wagner Well #1
 3) API Well No. 47 095 -1160
 State County Permit

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil XX / Gas XX /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow XX /)
 5) LOCATION: Elevation: 665' Watershed: Middle Island Creek
 District: Union 2046 County: Tyler Quadrangle: Bens Run 241
 6) WELL OPERATOR Robert J. Lemon DBA CODE: 21978 7) DESIGNATED AGENT Karen Sayer
 Address Hi-West Petro-Exploration Address 4 1/2 Street
P. O. Box 1062, Marietta, OH 45750 Williamstown, WV 26187
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Robert A. Lowther Name R. Wolfe Oil & Gas
 Address General Delivery Address 11 Pleasantview Drive
Middlebourne, WV 26149 Athens, Ohio 45701
 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulate XX /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Ohio Shale 441
 12) Estimated depth of completed well, 5990' feet
 13) Approximate strata depths: Fresh, 100' feet; salt, 1000' feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No XX /

15) 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 | 10 3/4" | | | | | 350' | 350' | CTS | Kinds NEAT |
| Fresh water | | | | | | | | | Sizes |
| Coal | | | | | | | | | |
| Intermediate | 7" | | | | | 1500' | 1500' | CTS | Depths set or as req. |
| Production | | | | | | 5990' | 5990' | 450 sacks | by rule 15.01 |
| Tubing | | | | | | | | | Perforations: |
| Lin... | | | | | | | | | Top Bottom |

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1160 Date October 2 19 86

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 October 2, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | | | | |
|-------|-------------------|-----------------|-------------------|--|-----------------|----------------|-------------------|
| Bond: | Agent: <u>ALB</u> | Plat: <u>AS</u> | Casing: <u>AS</u> | Fee: <u>2870</u> <u>2871</u> <u>2872</u> | WPCP: <u>AS</u> | StE: <u>AS</u> | Other: <u>RAZ</u> |
|-------|-------------------|-----------------|-------------------|--|-----------------|----------------|-------------------|

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

[Signature]
Director, Division of Oil and Gas

File

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

7508