

M.S. 5/17/82

5,430'

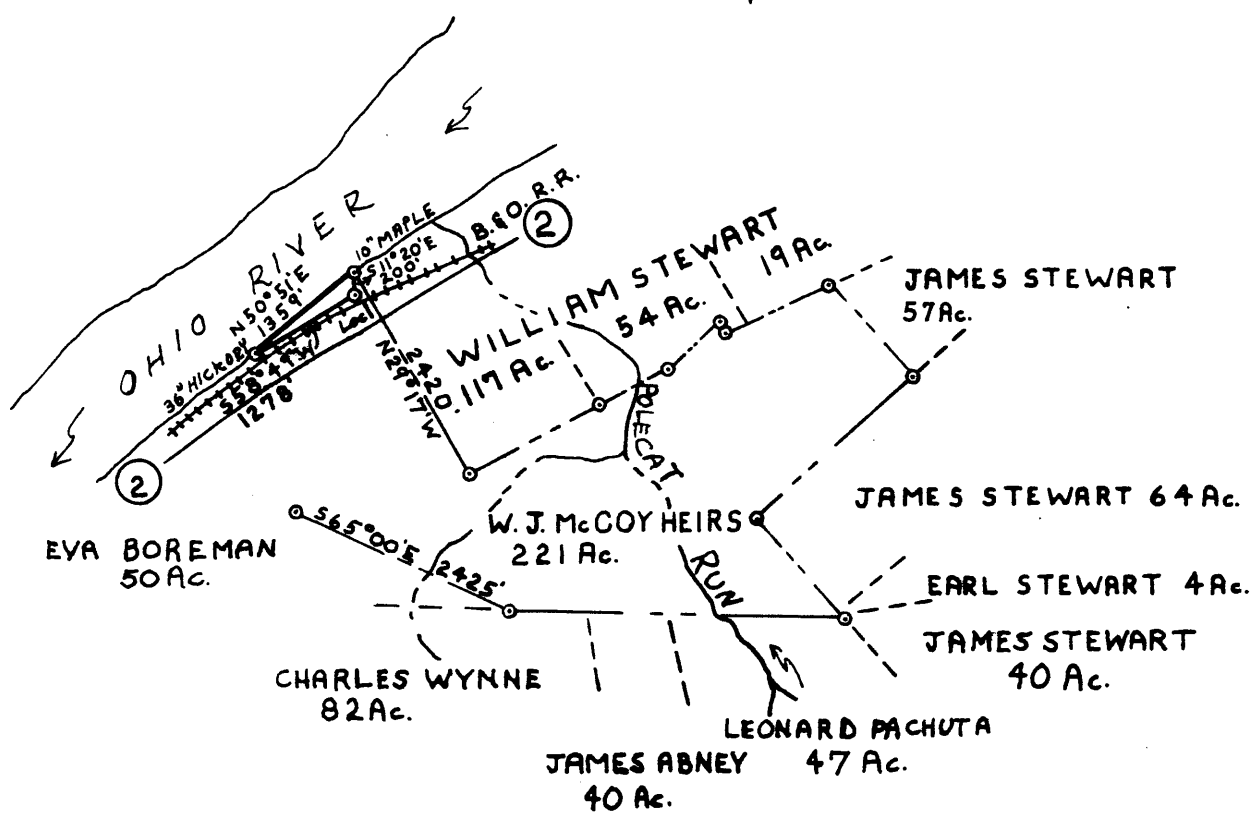
LATITUDE 39° 35' 00"

15'

TOPO

LONGITUDE 80° 57' 08"

NORTH



FILE NO. P.D.C. #4 - P. 19
 DRAWING NO. 1
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION RIVER LIGHT = 600'
BETWEEN M.L. 136 & 137 OHIO RIVER

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) Paul Adams, Jr.
 R.P.E. # 1856 L.L.S. _____

PLACE SEAL HERE

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

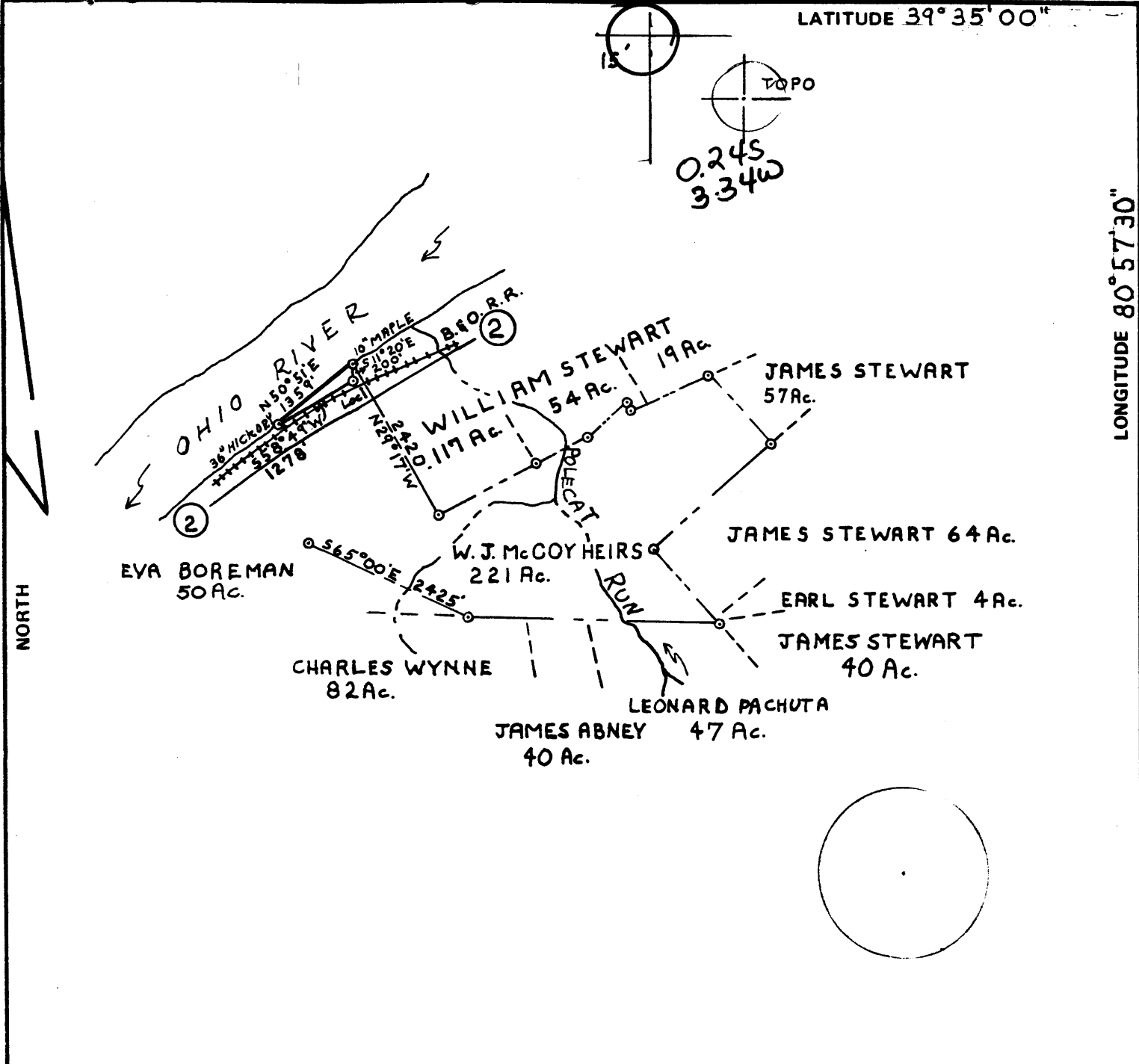


DATE MAY 14, 1982
 OPERATOR'S WELL NO. 1
 API WELL NO. _____
47 - 095 - 0993
 STATE COUNTY PERMIT

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 610' WATER SHED OHIO RIVER
 DISTRICT LINGOLN COUNTY TYLER
 QUADRANGLE ADEN CITY 7 1/2
 SURFACE OWNER W.J. McCOY HEIRS ACREAGE 221.66
 OIL & GAS ROYALTY OWNER HENRY McCOY, GUY McCOY HEIRS LEASE ACREAGE 222
 LEASE NO. 116800
 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 5500'
 WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT JOHN R. MITCHELL JAN 28 1985
 ADDRESS P.O. BOX 26 ADDRESS P.O. BOX 26
BRIDGEPORT W.V. BRIDGEPORT W.V.



FILE NO. P.D.C. #4 - 99.19
 DRAWING NO. 1
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION RIVER LIGHT = 600'
BETWEEN ML 136 & 137 OHIO RIVER

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) Paul Dean, Jr.
 R.P.E. # 1856 L.L.S. _____

PLACE SEAL HERE

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



DATE MAY 14, 1982
 OPERATOR'S WELL NO. 1
 API WELL NO. 47 - 095 - 4993
 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 610' WATER SHED OHIO RIVER
 DISTRICT LINCOLN COUNTY TYLER
 QUADRANGLE RODEN CITY 7 1/2 New Martinsville 15' SW
 SURFACE OWNER W. J. MCCOY HEIRS ACREAGE 221.66
 OIL & GAS ROYALTY OWNER HENRY MCCOY & GUY MCCOY HEIRS LEASE ACREAGE 222
 LEASE NO. 116800
 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 5500'
 WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT JOHN R. MITCHELL
 ADDRESS P.O. BOX 26 ADDRESS P.O. BOX 26
BRIDGEPORT W.V. BRIDGEPORT W.V.

JUN 2 1982



Operator's Well No. #1
API Well No. 47 095 0993
State County Permit

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

WELL TYPE: Oil _____ / Gas X /
(If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow _____ /)

LOCATION: Elevation: 610' Watershed: Ohio River
District: Lincoln County: Tyler Quadrangle: Paden City 7 1/2'

WELL OPERATOR Petroleum Development Corporation DESIGNATED AGENT John R. Mitchell
Address PO Box 26, 103 East Main Street Address PO Box 26, 103 East Main Street
Bridgeport, WV 26330 Bridgeport, WV 26330

OIL & GAS ROYALTY OWNER Henry McCoy and Guy H. McCoy or Heirs
Address 200 Catherine Street
Sisterville, WV 26175

COAL OPERATOR _____
Address _____

Acreage 222

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER W. J. McCoy Heirs
Address c/o Henry McCoy 200 Catherine Street
Sisterville, WV 26175
Acreage 221.66

Name same as surface
Address _____
Name _____

FIELD SALE (IF MADE) TO:
Address _____

Address _____
Name _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert Lowther
Address General Delivery
Middlebourne, WV 26149

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease _____ other contract X / dated May 28th, 19 79, to the undersigned well operator from Clarence W. Mulschelknaus

(If said deed, lease, or other contract has been recorded):
Recorded on March 7th, 19 80, in the office of the Clerk of the County Commission of Tyler County, West Va., in _____ Book 223 at page 493. 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

PETROLEUM DEVELOPMENT CORPORATION
By John R. Mitchell Well Operator
Its Area Manager

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) _____
Address _____

GEOLOGICAL TARGET FORMATION, Marcellus Shale

Estimated depth of completed well, 5500' feet Rotary x / Cable tools _____ /

Approximate water strata depths: Fresh, 60', ~~25'~~ feet; salt, _____ feet.

Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No x /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	Used	For drilling	Left in well			
Conductor	11 3/4"	—	—		x	100' 50'	100' 50'	100' SACKS CTS	Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8"	J-55	23#	x		1350'	1350'	circulate	
Production	4 1/2"	K-55	10.5#	x		5500'	5500'	2450'	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 1-19-83.

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 _____