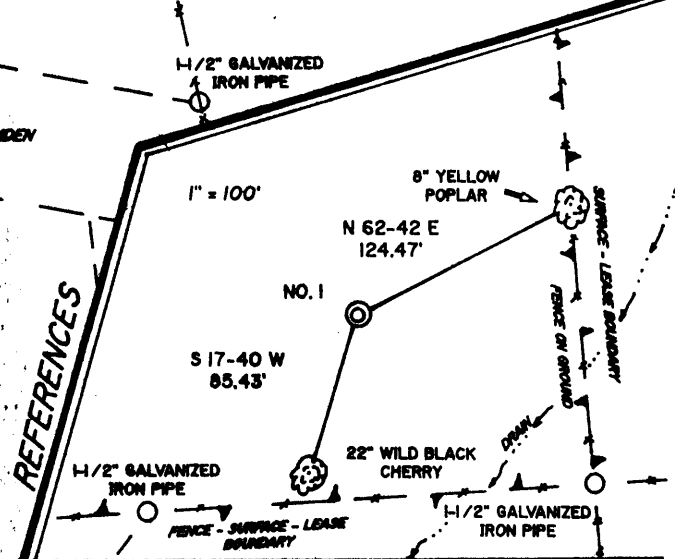
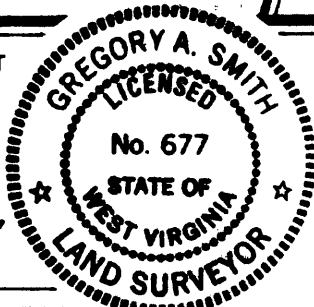


0.705
4.33W = 15'



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



L.L.S. 677 Gregory A. Smith

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE APRIL 2, 19 93
 OPERATORS WELL NO. HORNBECK #1
 API WELL NO. 47 - 061 - 1106
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3001 (41-41)
 SCALE 1 INCH = 200 FEET
 PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 1904'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1937' WATERSHED LAUREL RUN Thorton NC
 DISTRICT CLINTON 4 COUNTY MONONGALIA QUADRANGLE GLADESVILLE 7.5'

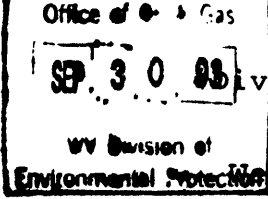
SURFACE OWNER LEMURL V. HORNBECK ACREAGE 30.83
 ROYALTY OWNER LEMURL V. HORNBECK LEASE ACREAGE 30.83

PROPOSED WORK: LEASE NO. _____
 DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION DEVONIAN 4th SAND
 ESTIMATED DEPTH 2800'

WELL OPERATOR MID-PENN ENERGY CORPORATION 5567 DESIGNATED AGENT J. THOMAS LANE Esq.
 ADDRESS 434 BEAVER ST. SEWICLEY, PA. 15143 ADDRESS BOWLES, RICE, McDAVID, GRAFF, & LOVE
66 South Burns Chapel (313) 16th Floor, Commerce Square, Charleston, WV. 25301

S75

COUNTY NAME PERMIT



State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: HORNBECK, LEMUEL V. Operator Well No.: HORNBECK #1

LOCATION: Elevation: 1937' Quadrangle: Gladesville 7.5'

District: CLINTON County: MONONGALIA
Latitude: 11,080 Feet South of 39 Deg. 30 Min. 00 Sec.
Longitude 3,750 Feet West of 79 Deg. 52 Min. 30 Sec.

Company: MID-PENN ENERGY CORPORATI
434 BEAVER STREET
SEWICKLEY, PA 15143-0000

Agent:

Inspector: RANDAL MICK
Permit Issued: 04/22/93
Well work Commenced: 04/30/93
Well work Completed: 05/02/93
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig _____
Total Depth (feet) 1942'
Fresh water depths (ft) 75', 345'
Salt water depths (ft) None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	43'	43'	sanded in
8-5/8"	698'	698'	160 sx
4-1/2"	1865.77'	1865.77'	135 sx

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 100', 345'

OPEN FLOW DATA

Producing formation Upper Devonian 4th sand Pay zone depth (ft) 1660' - 1700'
 Gas: Initial open flow -0- MCF/d Oil: Initial open flow -0- Bbl/d
 Final open flow 768 MCF/d Final open flow 30 Bbl/d
 Time of open flow between initial and final tests -0- Hours
 Static rock Pressure 400 psig (surface pressure) after 72 Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

Reviewed TM6
Recorded _____

For: MID-PENN ENERGY CORPORATION
By: Shannon S. Johnson, President
Date: June 30, 1993

Perforated 4th sand w/ 32 shots using hollow steel carriers from 1675-1683' (12 holes) and 1686-1696' (20 holes). Fraced w/ slickwater gel using 32,070 gallons gel and 495 sx 20/40 Ottawa sand. Maximum sand concentration 3 PPG. ISIP 1300 psig. Average injection rate 28 BPM. Average treating pressure 1760 psig. HHP 1208.

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Comments</u>
Fill	0	10	
Sandstone	10	20	
Sand	20	100	1" stream water
Coal	100	103	
Shale	103	287	
Sand	287	345	1/2" stream water
Dark shale & coal	345	354	
Sand	354	360	
Shale	360	364	
Sand	364	368	
Shale	368	398	
Sand	398	434	
Shale	434	446	
Sand	446	448	
Shale	448	472	
Red shale	472	492	
Shale (gray & red)	492	518	
Sand	518	535	
Shale	535	554	
Sand	554	568	
Shale	568	592	
Sand	592	599	
Shale	599	605	
Sand & shale	605	859	
Shale	859	895	
Sand	895	1009	
Shale	1009	1025	
Sand	1025	1031	
Shale	1031	1119	
Sand	1119	1136	
Shale	1136	1208	
Sand	1208	1320	
Shale	1320	1426	
Sand	1426	1440	Sg
Shale & siltstone	1440	1476	
Siltstone & shale	1476	1660	
4th sand	1660	1700	Sg
Siltstone & shale	1700	1788	
Sandstone (fifth sand)	1788	1834	
Shale	1834	1942	

DF 411

DFT- 422

talked to Shannon Johnson 8/11/94. He said the 30 bbl/oil/day was real, but that the ^{oil} production didn't hold up.

061-1106
Issued 4/22/93

Expired 4/22/95

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

17113

- 1) Well Operator: Mid-Penn Energy Corporation 32255 368
- 2) Operator's Well Number: Hornbeck #1 3) Elevation: 1937'
- 4) Well type: (a) Oil ___ / or Gas XX /
(b) If Gas: Production ___ / Underground Storage ___ /
Deep ___ / Shallow XX /
- 5) Proposed Target Formation(s): Upper Devonian 4th sand
- 6) Proposed Total Depth: 3,000 feet
- 7) Approximate fresh water strata depths: None
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 67', 103', 123'
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No XX /
- 11) Proposed Well Work: Drill and complete Upper Devonian 4th sand
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4"	LS	36#	40'	40'	sanded in
Fresh Water						
Coal	8-5/8"	ERW	20#	700'	700'	cement to surface
Intermediate						
Production	4-1/2"	J	10.5#	2500'	2500'	cement to 1400'
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

3586/7

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Cornell Ins. Agent
(Type)

1) Date: April 20, 1993
2) Operator's well number
Hornbeck #1
3) API Well No: 47 - 061 - 1106
State - County - Permit

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

4) Surface Owner(s) to be served:
(a) Name Lemuel V. Hornbeck
Address Rt. 9, Box 141B
Morgantown, WV 26505
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Randal Mick
Address 111 Blackshere Drive
Mannington, WV 26582
Telephone (304)- 986-3324

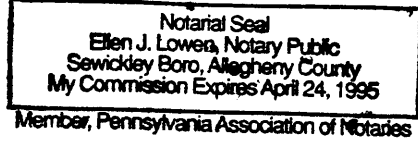
5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Lemuel V. Hornbeck
Address Rt. 9, Box 141B
Morgantown, WV 26505
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
X Personal Service (Affidavit attached)
_____ Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.
Well Operator Mid-Penn Energy Corporation
By: Shannon S. Johnson, Shannon S. Johnson
Its: President
Address 434 Beaver Street
Sewickley, PA 15143
Telephone (412) 741-7015



Subscribed and sworn before me this 20th day of April, 1993
Ellen J. Lower Notary Public
My commission expires April 24, 1995