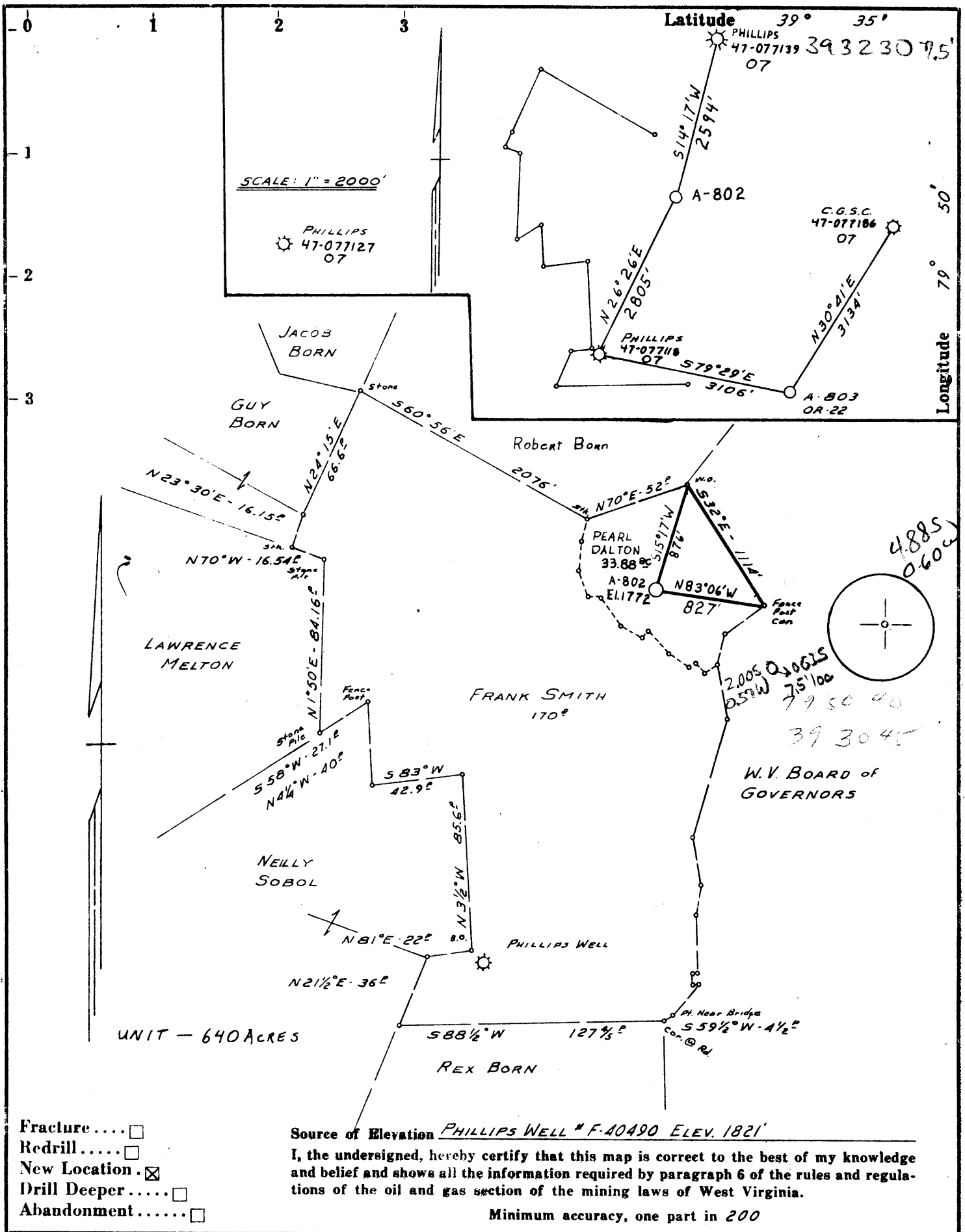


2117



- Fracture.....
- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

Source of Elevation PHILLIPS WELL # F-40490 ELEV. 1821'
 I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.
 Minimum accuracy, one part in 200

Company ALLEGHENY LAND & MINERAL CO.
 Address CLARKSBURG, W.V. 26301
 Farm PEARL DALTON
 Tract _____ Acres 33.88 Lease No. _____
 Well (Farm) No. _____ Serial No. A-802
 Elevation (Spirit Level) 1772'
 Quadrangle MORGANTOWN SC
 County PRESTON District VALLEY
 Engineer Donald Wheeler
 Engineer's Registration No. 530 L.L.S.
 File No. 245 Drawing No. OR-21
 Date 12-6-78 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. 47-077-0198

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

MAR 15 1979

7650' 51' Deep

Deep Well 6-6 South Burns Chapel (31)

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

FORM IV-35
(Obverse)

Operator's
Well No. A-802

WELL OPERATOR'S REPORT
OF

API Well No. -077 -0198
State County Permit

[08-78]

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Beer / Cold w
LOCATION: Elevation: 1772' Watershed: Deckers Creek of Monongahela River
District: Valley County: Preston Municipality: Morgantown

WELL OPERATOR Allegheny Land & Mineral Co. DESIGNATED AGENT same
Address Box 1740 Address _____
Clarksburg, WV 26301

PERMITTED WORK: Drill / Convert / Drill deeper / Ream / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____

PERMIT ISSUED ON January 4, 1979

OIL & GAS INTEREST IN THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY WELLS OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED)

Name William Blosser
Address P. O. Box 1028
Colfax, WV 26566

GEOLOGICAL TARGET FORMATION: Oriskany Depth: 7650 feet
Depth of completed well, 7770 feet Rotary / Cable Tools _____
Water strata depth: Fresh, 120 feet; salt, _____ feet.
Coal seam depths: 130-134 Is coal being mined in the area? no
Work was commenced March 28, 1979, and completed May 8, 1979

3,714 MCF

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLING OR PACKERS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11-3/4"			x		30'	30'		Kinds
Fresh water									
Coal	8-5/8"		24#	x		1195'	1195'	Cemented to surface	
Intermediate									
Production	4 1/2"	N-80	11.6	x		7660'	7660'	"	" 6660'
Tubing									
Wireline									Bottom

OPEN FLOW DATA

Production formation Oriskany Initial test flow, _____ MCF/d Final test flow, _____ MCF/d
33 JUN 21 1979 Final open flow, 3714 MCF/d

7626-7640

DEPT. OF MINES

2550# data (initial measurement) after 70 minutes in
If applicable, flow multiple correlation--
Second production formation _____ feet
Test: Initial open flow, _____ MCF/d Final test flow, _____ MCF/d
Final open flow, _____ MCF/d
Time of open flow between initial and final tests, _____ hours
Static rock pressure, _____ psig (surface measurement) after _____ days and _____

JUL 17 1979

[08-78]

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

Well was fractured June 7, 1979 by Halliburton.

Perforations: 7500-7536 - 36 holes

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Sand			0	41	
Sand & Shale			41	130	Water @ 120'
COAL *****			130	134	Coal *****
Sand & Shale			134	850	
Lime			850	956	
Sand & Shale			956	2300	
Shale			2300	2323	
Sand & Shale			2323	2858	
Sand			2858	2868	
Sand & Shale			2868	3604	
Sand			3604	3620	
Sand & Shale			3620	7054	
Tolley Lime Stone			7054	7142	
Sand & Shale			7142	7358	
Marcellus Shale			7358	7450	
Onandaga Limestone			7450	7468	
Sand			7468	7500	
Onest Sand			7500	7536	
Sand & Shale			7536	7626	
Criskany Sand			7626	7640	
Sand & Shale			7640	7770	
			total depth	7770	(Driller) KDBG?

(Attach separate sheets if complete is necessary)

Allegheny Land & Mineral Company
Well Operator

By Claron Dawson, Supt.

Its _____

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."

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)
LOCATION: Elevation: 1772' Watershed: Deckers Creek of Monongahela River
District: Valley County: Preston Quadrangle: Morgantown

WELL OPERATOR Allegheny Land & Mineral Co. DESIGNATED AGENT Allegheny Land & Mineral
Address P. O. Drawer 1740 Address P. O. Drawer 1740
Clarksburg, WV 26301 Clarksburg, WV 26301

OIL & GAS ROYALTY OWNER Pearl L. Dalton COAL OPERATOR None at the present time
Address Reedsville, WV 26547 Address _____

ACREAGE 33.88 out of a unit of 64 acres COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Pearl Dalton Name Kray Coal Company
Address Reedsville, WV 26547 Address Crellin, Maryland
ACREAGE 33.88 Name _____

FIELD SALE (IF MADE) TO:
Name Consolidated Gas Supply Corporation Address _____
Address 445 West Main Street COAL LESSEE WITH DECLARATION ON RECORD:
Clarksburg, WV 26301 Name Kray Coal Company
Address Crellin, Maryland

OIL & GAS INSPECTOR TO BE NOTIFIED
Name William Blosser Address _____
Address P. O. Box 1028
Colfax, WV 26566

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated _____, 19____, to the undersigned well operator from see attached

[If said deed, lease, or other contract has been recorded:]
Recorded on _____, 19____, in the office of the Clerk of the County Commission of _____ County, West Virginia, in _____ Book _____ at page _____. A permit is requested as follows:

PROPOSED WORK: Drill / 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

ALLEGHENY LAND & MINERAL COMPANY
Well Operator

By [Signature]
Its Manager, Land, Lease & Right of Way

MINNET BOARD

[Handwritten signature]

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, ORISKANY

Estimated depth of completed well, 7650' feet Rotary XX / Cable tools _____

Approximate water strata depths: Fresh, 52-100 feet; salt, _____ feet.

Approximate coal seam depths: 135' Is coal being mined in the area? Yes _____ / No XX

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	16"				X	20	20	cement to surface	
Fresh water	8-5/8"								
Coal	8-5/8"		241b	X		600+	600+	cement to surface	
Intermediate			N80						
Production	4 1/2"		11.616	X					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, of the W. Va. Code, the location is hereby approved for Drilling. This permit shall expire if operations have not commenced by 10-22-79.

Robert T. [Signature]
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 _____

ALLEGHENY LAND AND MINERAL CO.

Under this lease or grant dated the 19th day of June, 1968 Pearl Dalton conveys unto Phillips Petroleum Company, 32 acres, more or less, situated in Valley District, Preston County, West Virginia.

This lease was recorded on the 5th day of July, 1968 in Book 400 at Page 316 in the Office of the County Clerk of Preston County, West Virginia.

Phillips Petroleum Company assigned unto Consolidated Gas Supply Corporation by agreement dated April 1, 1964, subsequently assigned to Jonathan Butcher by agreement dated July 1, 1978. Jonathan Butcher assigned unto Allegheny Land and Mineral Company's A. L. & M. 1978-1 Joint Venture, a West Virginia Partnership of which Allegheny is the operator.