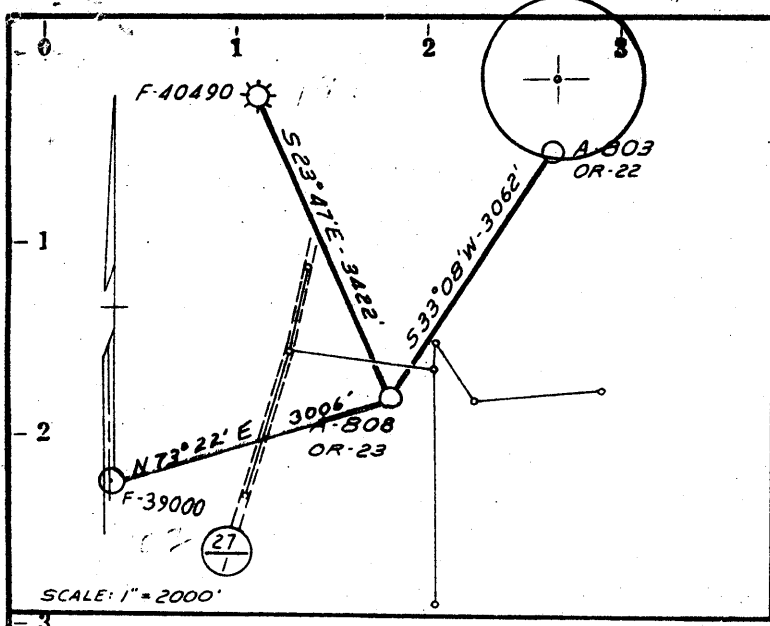


7/13/79 *FE*



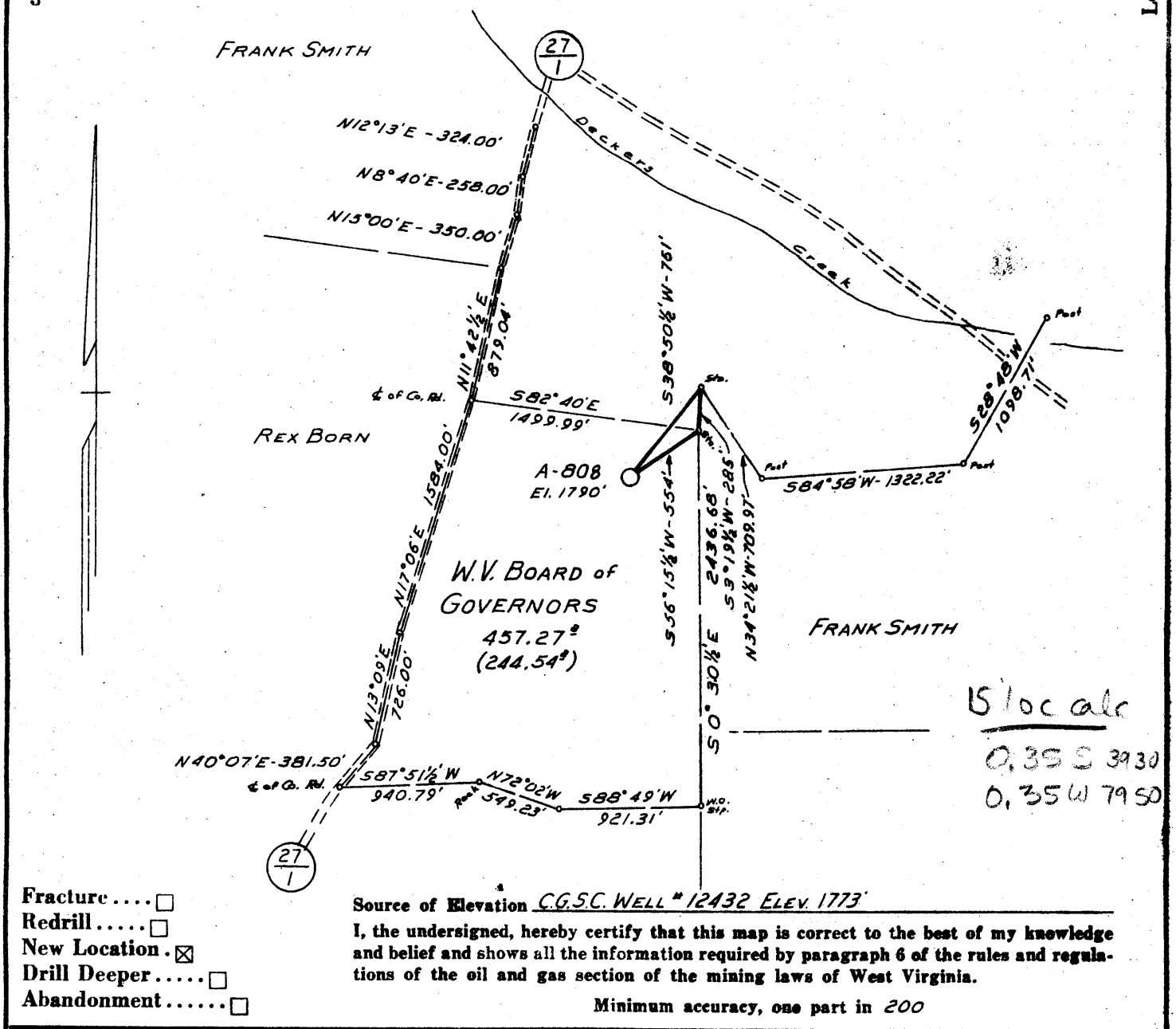
Latitude 39° 30'
 39 29 45
 79 50 15

0.355
 0.35W
 0.325
 4.68W

9.0615
 7.5'bc

79.50
~~79.50~~

Longitude



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

Company ALLEGHENY LAND & MINERAL CO.

Address CLARKSBURG, W.V. 26301

Farm W.V. BOARD of GOVERNORS

Tract 107.93 Acres 457.27 Lease No. _____

Well (Farm) No. _____ Serial No. A-808

Elevation (Spirit Level) 1790' Newburg

Quadrangle THORNTON NC

County PRESTON District VALLEY

Engineer Daniel L. Wheeler

Engineer's Registration No. 530 L.L.S.

File No. 249 Drawing No. OR-23

Date 12-13-78 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. **47-077-0201**

+ 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.

AUG 7 1979

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

Date: November 7, 1979

FORM IV-35
(Obverse)

Well No. A-808

[08-78]

WELL OPERATOR'S REPORT
OF
DRILLING, GRANTING AND/OR REWORKING, AND/OR
PLUGGING

Well No. 1-977-9201

WELL TYPE: Oil / Gas / Liquid Injection / Water Storage
 (If "Gas", Production / Underground storage / Other
 LOCATION: Elevation: 1790' Watershed: Dacker's Creek
 District: Valley County: Preston Municipality: Morgantown

WELL OPERATOR: ALLEGHENY ENERGY SERVICE CO. ADDRESS: ALLEGHENY ENERGY SERVICE CO.
 Address: CLARKSBURG, W. VA. 26301 Address: CLARKSBURG, W. VA. 26301

PERMITTED WORK: Drill / Convert / Drill deeper / Re-drill / Fracture to stimulate
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) NOV 19 1979

PERMIT ISSUED ON July 12, 1979 OIL & GAS DEPARTMENT OS-7-108K
 (IF APPLICABLE: PLUGGING OR DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name: William Blosser
 Address: P.O. Box 1028
Colefax, WV 26566

GEOLOGICAL TARGET FORMATION: Oriskany Sand Depth: 7995' feet
 Depth of completed well, 7920 feet Rotary / Cable Tool
 Water strata depth: Fresh, @ 38', 96', 100' through 847'
 Coal seam depths: 96-97' Is coal being mined in the area? no
 Work was commenced July 25, 1979, and completed August 21, 1979.

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT BENEATH OR CASING (Cable Log)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Circumfer	3-3/8"			X		32'	32'	Minds
fresh water	8-5/8"							
Seal	8-5/8"			X		1272'	1272'	Cemented to surface
Intermediate								
Production	4 1/2"	N-80		X		7814'	7814'	" " 6814'
LINE								
lines								Bottom

OPEN FLOW DATA

Producing formation Chert HUNTERSVILLE Pay zone depth 7450-7729
 Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ bbl/d
 Final open flow, 1,205 Mcf/d Final open flow, _____ bbl/d
 Time of open flow between initial and final tests, _____ hours
 Static rock pressure, 2500# psig (surface measurement) after _____ 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 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

NOV 28 1979

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

Well was fractured 9-18-79 by Halliburton.

Perforations: 7600 - 7630' - 30 holes

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all free- and-bound water, coal, oil and gas
Soil			0	10	
Sand & Shale			10	96	Water - 1/8" @ 33'
COAL *****			96	97	COAL *****
Limestone			97	126	Water - 1/8" @ 96', 100'
Shale			126	185	- 1" to 847'
Sand & Shale			185	806	
Limestone			806	847	
Sand & Shale			847	1438	
Sand			1438	2312	
Sand & Shale			2312	2790	
Shale			2790	4198	
Sand & Shale			4198	7100	
Colley Limestone			7100	7128	
Sand & Shale			7128	7302	
Monaca Sand			7302	7450	
Chert Sand			7450	7729	
Criskany Sand			7729	7858	
<u>Helderburg Sand</u>			7858	7920	
		total depth		7920	

(Attach separate sheets if complete as necessary.)

Allegheny Land & Mineral Company
Well Operator

By Claron Dawson

Its Supt.

NOTE: Regulation 2.02(ii) 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."

THIS PERMIT MUST BE POSTED AT THE WELL SITE

Date: July 12, 1979
Operator's
Well No. A-808

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 3-18-80

API Well No. 47 - 077 - 0201
State Co. Permit

RECORDED
JUL 13 1979

Robert T. Bell
Deputy Director - Oil & Gas Division STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION
DEPT. OF MINES

WELL TYPE: Oil / Gas XX /
(If "Gas", Production / underground storage / Deep / Shallow XX /

LOCATION: Elevation: 1790' Watershed: Deckers Creek
District: Valley County: Preston Quadrangle: Morgantown

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. Designated Agent ALLEGHENY LAND & MINERAL CO.
Address P.O. Box 1740 Address: P.O. BOX 1740
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

OIL & GAS
ROYALTY OWNER WV Board of Governors WVU
Address Morgantown, WV 26505

COAL OPERATOR
address

Acreage 107.932 of 457.27 acres
SURFACE OWNER WV Board of Governors WVU
Address Morgantown, WV 26505

Coal Owner(s) With Declaration On Record:
NAME Kray Coal, Inc.
Address Crellin, Maryland

Acreage
FIELD SALE (IF MADE) TO:
Name Consolidated Gas Supply Corporation
Address 445 West Main Street
Clarksburg, WV 26301

NAME
Address

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

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 XX / other contract /
dated July 27, 1960, to the undersigned well operator from Phillips Petroleum
Company, Subsequently Consolidated Gas (IF SAID DEED, LEASE, OR OTHER CONTRACT
HAS BEEN RECORDED:) Supply Corporation
Recorded on Aug 10, 1960, in the office of the Clerk of the County Commission
of Preston County, West Virginia, in book 351 at page
594. A permit is requested as follows:

PROPOSED WORK: Drill XX / 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 S 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 Glen E. Watkins
Glen E. Watkins, Manager
Land, Lease & Right of Way

BLANKET BOND

Summary

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) UNION DRILLING COMPANY
 Address P.O. BOX 40
BUCKHANNON, WEST VIRGINIA 26201

GEOLOGICAL TARGET FORMATION, Oriskany
 Estimated depth of completed well, 7650 feet Rotary XX / Cable tools /
 Approximate water strata depths: Fresh, 60-150 feet; salt, feet.
 Approximate coal seam depths: is coal being mined in the area?
 Yes / No XX /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SIZE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL UP	
		GRADE	Weight Per ft.	New	Used	For drilling	left in well	OR SACKS (cubic ft.)	Packe
Conductor	16"				X	20'	20'	cement to surface	kinds
Fresh Water	8-5/8"								
Coal	8-5/8"		24#	X		600+	600+	cement to surface	sizes
Intermediate									
Production	4 1/2"		N-80 11.616	X		7650'	7650'	cement to 300' above producing horizon	depth set
Tubing									
Liners									performances Top bott

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 S 22-4-2, (iii) Form IV-9, " Reclamation Plan", applicable to the reclamation required by Code S 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code S 22-4-12a, and (v) if applicable, the consent required by Code S 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.

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 S 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