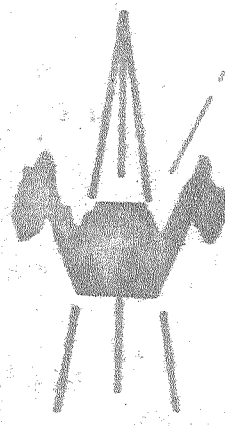
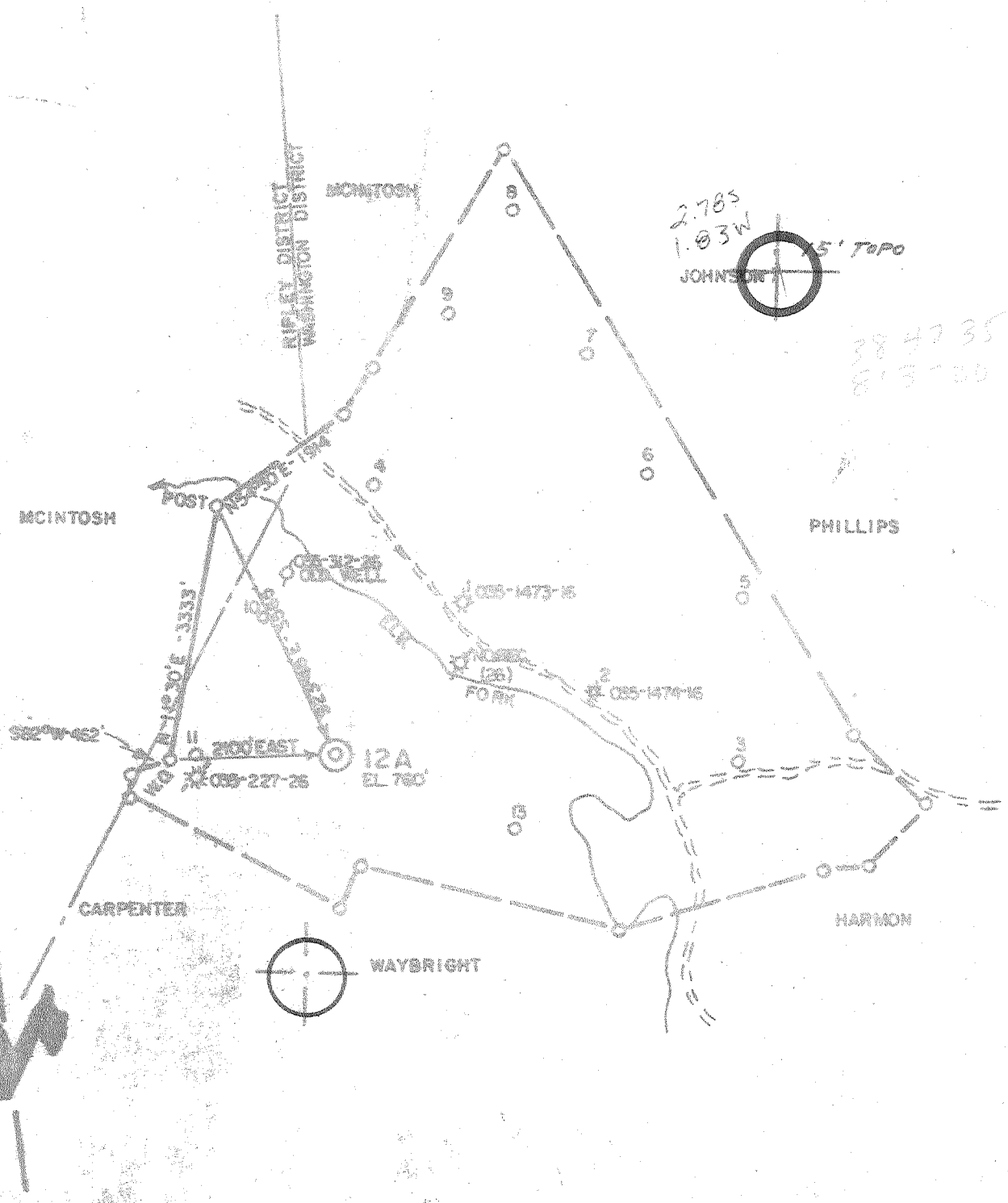


14 630' SOUTH
8 700' WEST



ACCURACY: 1/200'

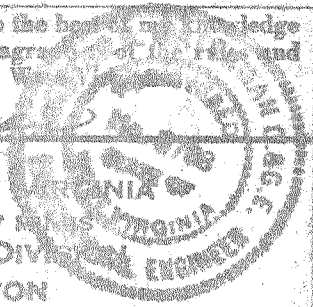
- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation ORISKANY Oil
 Est. Depth 5950' Gas
 Other

Source of Elevation B.M. ON ROAD (642')

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 paragraphs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 of the code and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman



Company ALLEGHENY & WESTERN DRUG CORP.
 Address CHARLESTON, WV
 Surface Owner JOHN PFOST
 Mineral Owner " "

Well No. 12A Acres 1219
 Elevation 760' (Revised 15')
 Quadrangle GAY Series 75' SE
 County JACKSON District WASHINGTON
 Date 10/8/80 Scale 1" = 2000'

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

WELL LOCATION MAP
47 - 035 - 1538
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 80V 603 1980

Deep Well 6-6 Elk-Poca (192) 5950 ORISKANY

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

Date: December 2, 1980

FORM IV-35
(Obverse)

Operator's
Well No. John Pfoest # 12A

[08-78]

WELL OPERATOR'S REPORT OF

API Well No. 47-035-1538
State County Permi

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 760' Watershed: Mill Creek
District: Washington County: Jackson Quadrangle: Gay 7.5

WELL OPERATOR Allegheny & Western Energy Corp. DESIGNATED AGENT Roland C. Baer, Jr.
Address P.O. Box 2587 Address 1588 Connell Road
Charleston, WV 25329 Charleston, WV 25314

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

PERMIT ISSUED ON _____, 19 _____

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Richard Morris
Address P.O. Box 372
Grantsville, WV 26417

GEOLOGICAL TARGET FORMATION: Oriskany Depth 5500 feet

Depth of completed well, 5444 feet Rotary X / Cable Tools ___

Water strata depth: Fresh, ___ feet; salt, ___ feet.

Coal seam depths: None Is coal being mined in the area? ___

Work was commenced October 27, 1980, and completed November 5, 1980

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		
Conductor								Kinds
Fresh water	9 5/8	Smls	24#	X			212'	125cf
Coal								Sizes
Intermediate	7	Smls	23#	X			2191'	125cf
Production	4 1/2	Smls	10 1/2#	X			5280'	120sacks
Tubing	2 3/8	Smls	4.6#	X				Deaths set
Liners								Perforations:
								5180 Top 5184 Bottom

OIL & GAS DIVISION
DEPT. OF MINES

OPEN FLOW DATA

Producing formation Oriskany *Dry* Pay zone depth 5180-84 feet

Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d

Final open flow, Dry Mcf/d Final open flow, 0 Bbl/d

Time of open flow between initial and final tests, ___ hours

Static rock pressure, ___ psig (surface measurement) after ___ hours shut in

[If applicable due to multiple completion--]

Second producing formation Devonian Shale Pay zone depth 4700-5054 feet

Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d

Final open flow, 110 Mcf/d Final open flow, 0 Bbl/d

Time of open flow between initial and final tests, ___ hours

Static rock pressure, 1100 psig (surface measurement) after 24 hours shut in

DEC 18 1980

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

Oriskany: Perforated 5180-5184 with 16 shots; treated with 1000 gal of 28% Hcl and hydrofraced with 15000# each of 80-100 mesh and 20-40 mesh sand-total fluid: 654bbbls.

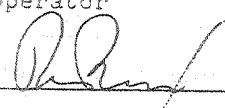
Devonian Shale: Perforated 4700-5054 with 20 holes; treated 2000 gal of 15% Hcl and 1,080,000 cf of N².

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Red Rock			0	120	
Sand			120	122	Fresh Water
Shale & Sand			122	1112	
Salt Sand			1112	1808	Salt Water
Maxton Sand			1808	1885	
Big Lime			1885	1975	
Injun			1975	2052	
Shale			2052	2452	
Berea			2452	2456	
Shale			2456	5056	
Corn. Lime			5056	5160	
Oriskany			5160	5218	
Lime <i>KDAG</i>			5218	5444 T.D.	

(Attach separate sheets to complete as necessary.)

Allegheny & Western Energy Corporation
Well Operator

By 
Executive Vice President

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."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. John J. Pfost 12A
API Well No. 47 - 035 1538
State County Form

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow)
LOCATION: Elevation: 760' Watershed: MillCreek
District: Washington County: Jackson Quadrangle: GAY

WELL OPERATOR Allegheny & Western Drilling Corp. DESIGNATED AGENT Roland C. Baer, Jr.
Address P.O. Box 2587 Address 1588 Connell Road
Charleston, WV 25329 Charleston, WV 25314

OIL & GAS ROYALTY OWNER John J. Pfost ET AL
Address 1246 Greenbrier Court
Charleston, WV 25311
Acreage 1219 acres

COAL OPERATOR Not Applicable
Address _____

SURFACE OWNER same as above
Address _____
Acreage _____

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name _____
Address _____
Name _____
Address _____
RECEIVED
OCT 22 1980

FIELD SALE (IF MADE) TO:
Name _____
Address _____

OIL & GAS DIVISION
DEPT. OF MINES

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Richard Morris
Address P.O. Box 372
Grantsville, WV 26417

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 / dated April 27, 1977, by the undersigned well operator from Ross & Barker Gas Company

[If said deed, lease, or other contract has been recorded:]

Recorded on November 3, 1977, in the office of the Clerk of the County Commission of Jackson County, West Virginia, in _____ Book 146 at page 27. 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
601 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

Allegheny & Western Drilling Corporation
Well Operator

By [Signature]
Its _____

[08-78]

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, 5,950' feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, _____ 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				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	9 5/8		43#	X			200'	100 sks
Coal								Sizes
Intermediate	7"		23#	X			2,000'	125 sks
Production	4 1/2"		10 1/2#	X			5,400'	300 sks
Tubing								Depths set
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.

THIS PERMIT ~~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.

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 6-24-81 .

[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 _____