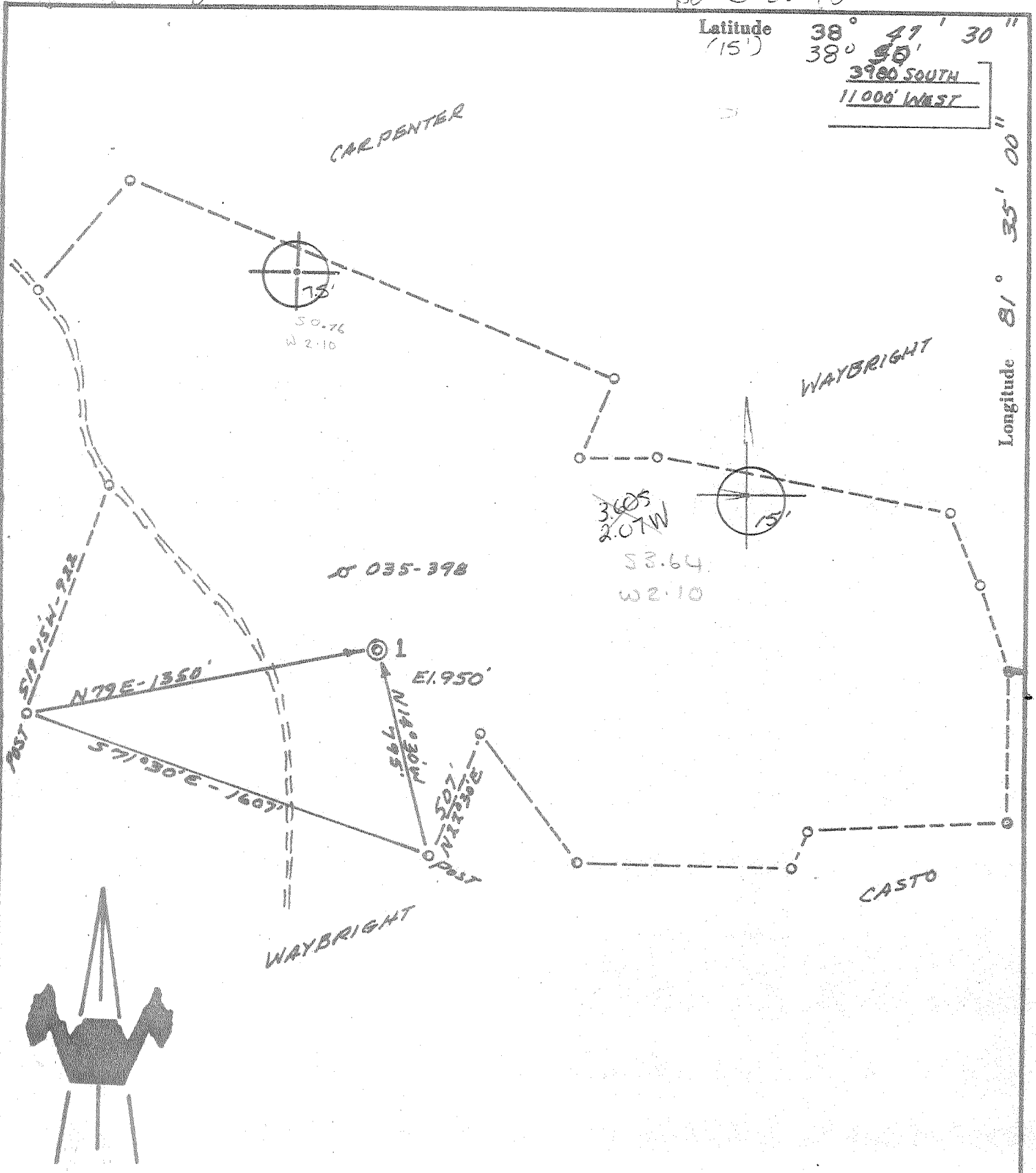


150 9 23 10

Latitude 38° 47' 30"
 (15') 38° 45'
3900 SOUTH
11000 WEST



Longitude 81° 35' 00"

ACCURACY: 1/200'

New Location

Drill Deeper

Abandonment

Fracture

Redrill

Other

Formation CRISKANY Oil

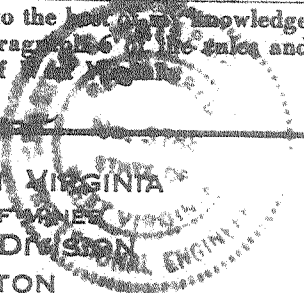
Est. Depth 5950' Gas

Other

Source of Elevation NEAR WAYBRIGHT CEM. (908')

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.

Chet Waterman



Company ALLEGHENY & WESTERN DRUG CORP.

Address CHARLESTON, W.VA.

Surface Owner DENVER YOUNG

Mineral Owner DENVER YOUNG, ET AL.

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

Well No. 1 Acres 137

Elevation 950' RIPLEY 15' 50'

Quadrangle GAY Series 7.5'

County JACKSON District WASHINGTON

Date 9/8/80 Scale 1" = 500'

WELL LOCATION MAP
47 - 035 - 1534
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 80-523

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

Date November 21, 1980

FORM IV-35
(Obverse)

Operator's
Well No. Denver A. Young #1

[08-78]

WELL OPERATOR'S REPORT'S
OF

API Well No. 47-035-1534
State County Permit

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 950' 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 / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

PERMIT ISSUED ON September 23, 1980 OIL & GAS INSPECTOR FOR THIS WORK:
Name Richard Morris
IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Address P.O. Box 372
Grantsville, WV 26417

GEOLOGICAL TARGET FORMATION: Oriskany Depth 5325-84 feet
Depth of completed well, 5436 feet Rotary / Cable Tools
Water strata depth: Fresh, 110-30 feet; salt, 1200-1700 ft.
Coal seam depths: None Is coal being mined in the area? N/A
Work was commenced October 29, 1980, and completed November 8, 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	Left in well		
Conductor									Kinds
Fresh water	9 5/8	Smls	24#	X			223	125 cf	
Coal									Sizes
Intermediate	7	Smls	23#	X			2270	100cf	
Production	4 1/2	Smls	10 1/2#	X			5414	200sks	Depths set
Casing	2 3/8	Smls	4.6#	X					
Liners									Perforations: 5326 Top 5329 Bottom

OPEN FLOW DATA

Producing formation Oriskany *-Dry* Pay zone depth 5325-84 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, -0- Mcf/d Final open flow, -0- Bbl/d
Time of open flow between initial and final tests, _____ hours
Static rock pressure, -0- psig (surface measurement) after -0- hours shut in
[If applicable due to multiple completion--]
Second producing formation Devonian Shale Pay zone depth 3950-5212 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 230 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: Logged Open Hole from 2400' to 5436; Perforated from 5326 -29 (10 shots)
Treated with 500 gal of 15% Hcl. (DRY HOLE)

Devonian Shale: Plugged Back Up to The Devonian Shale with Cement, Perforated
4338-4453 (10 shots); Treated with 500 gal of 15% HCL and 690,000
scm N².

WELL LOG

FORMATION	Color	Hard or Soft	¹⁵ Top Feet	Bottom Feet	Remarks Including indication of all fres and salt water, coal, oil and ga
RED ROCK & SHALE			0	110	
SAND			110	130	Fresh Water
RED ROCK & SHALE			130	1238	
SALT SAND			1238	1780	Salt Water
SHALE			1780	1840	
MAXON			1840	1970	
BIG LIME			1970	2065	
SHALE			2065	2068	
INJUN			2068	2130	
SHALE & LIME			2130	2600	
BEREA			2600	2620	
SHALE & SHELLS			2620	3950	
BROWN SHALE			3950	5212	
CORNIFEROUS LIME			5212	5325	
ORISKANY			5325	5384	Dry
LIME <i>HDBG</i>			5384	5436 TD	

(Attach separate sheets to complete as necessary)

Allegheny & Western Energy Corporation
Well Operator

By *[Signature]*
Executive Vice President

NOTE: Regulation 2.02(d) 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. Denver Young #1
API Well No. 47 - 035 - 1534

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

LOCATION: Elevation: 950' Watershed: Mill Creek
District: Washington County: Jackson Quadrangle: GAY 7.5

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 Denver A. Young ET AL COAL OPERATOR Not Applicable
Address Route 6 Box 63 Address _____
Ripley, West Virginia 25271

ACREAGE 201 Acres COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____

SURFACE OWNER Same as above Address _____
Name _____
Address _____
ACREAGE _____

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

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

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated October 30, 1975
Undersigned well operator from Denver A. Young, Trustee

[If this deed, lease, or other contract has been recorded:]
Recorded on November 5, 1975, in the office of the Clerk of the County Commission of Jackson County, West Virginia, in Book 134 at page 404. A portion is recited 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.

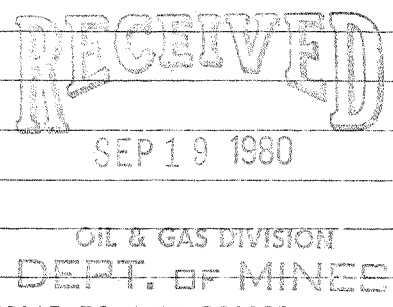
Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
WASHINGTON STREET EAST
CHARLESTON, WV 25304

BLANKET BOND

Allegheny & Western Drilling Corporation
Well Operator

By [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, 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-8 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-8 will not be required for fracturing or stimulating a well. THIS PERMIT MUST BE POSTED AT THE WELL SITE. 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-8, 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 5-23-81.

[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 _____