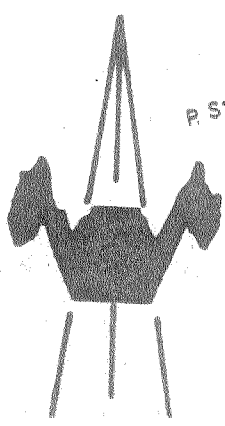
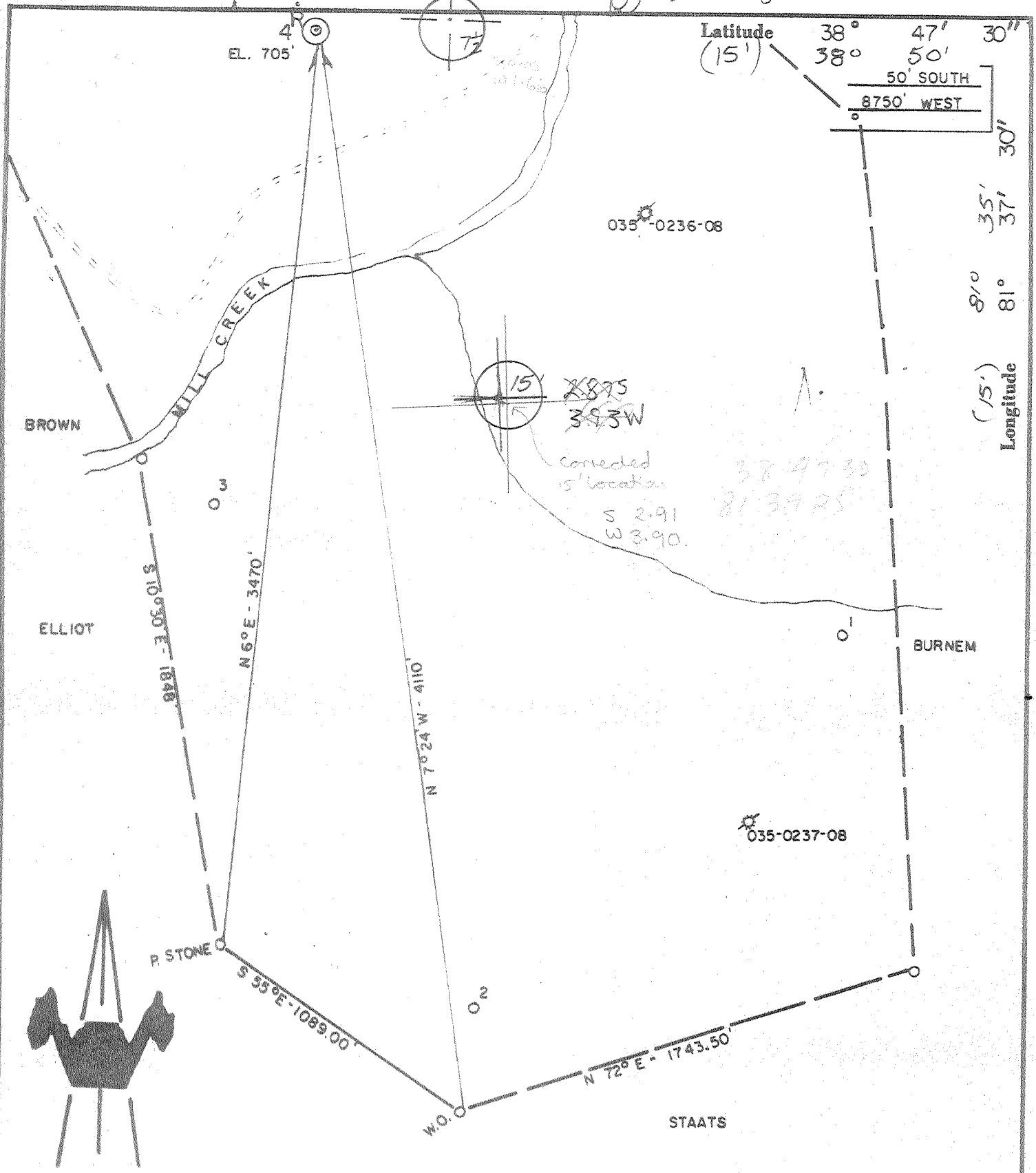


Plot Card CSD 8-31 *no grid*

① 2-22-80



ACCURACY: 1/200'

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

Formation ORISKANY Oil   
 Est. Depth 5950' Gas   
 Other

Source of Elevation SHATTO (627')  
 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.

Company ALLEGHENY & WESTERN DRLG CORP  
 Address CHARLESTON, WV  
 Surface Owner ROBERT L PARSONS  
 Mineral Owner " " "

Well No. 4 R Acres 362.50'  
 Elevation 705' 3C  
 Quadrangle RIPLEY Series 7.5' & 15'  
 County JACKSON District RIPLEY  
 Date 9/8/80 Scale 1" = 500'

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

WELL LOCATION MAP  
47 - 035 - 1533  
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 3788 File 035-80-5980

*Deep Well 6-6 Elk-Poca (192)*

*5950 ORISKANY*

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

Date November 21, 1980

FORM IV-35  
(Obverse)

Operator's  
Well No. Robert L Parsons # 4-R

[08-78]

WELL OPERATOR'S REPORT 14  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

API Well No. 47-035-1533  
State County Permit

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

LOCATION: Elevation: 705' Watershed: Mill Creek  
District: Ripley County: Jackson Quadrangle: Ripley 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 September 23, 19 80 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 5,400 feet

Depth of completed well, 5,158 feet Rotary X / Cable Tools \_\_\_

Water strata depth: Fresh, 172 feet; salt, 1041 feet.

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

Work was commenced October 11, 1980, and completed October 17, 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			339	200 cf
Coal								Sizes
Intermediate	7	Smls	23#	X			2,043	270 cf
Production	4 1/2	Smls	10 1/2#	X			5,132	180 sks
Tubing	2 3/8	Smls	4.6#	X			4,571	
Liners								Perforations: 5026 Top 5066 Bottom

OIL & GAS DIVISION

DEPT. OF MINES

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth 5024-5072 feet

Gas: Initial open flow, \_\_\_ Mcf/d Oil: Initial open flow, \_\_\_ Bbl/d

Final open flow, 100 Mcf/d Final open flow, N/A Bbl/d

Time of open flow between initial and final tests, \_\_\_ hours

Static rock pressure, 1015# psig (surface measurement) after 24 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

DEC 18 1980

[08-78]

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

Logged open hole from 2200' to 5159'-- Perforated at 5026'-66' (24 shots)

Well treated with 1000 gal. 15% HCL, 15000#-20/40 U.S. mesh sand & 25000#-80/100 sand: Total fluid-768 bbls.

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	142	
Water Sand			142	208	Fresh Water @ 172'
Shale			208	1020	
Salt Sand			1020	1792	Salt Water @ 1041'
Big Lime			1792	1891	
Injun			1891	1954	
Shale			1954	2390	
Berea			2390	2400	
Shale			2400	4100	
Brown Shale			4100	4920	
Corniferous Lime			4920	5024	
Oriskany Sand			5024	5072	
Lime HDBG			5072	5158 TD	

(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. Robert L. Parsons 4

API Well No. 17 - 035 1533

WELL TYPE: Oil  / Gas  /  
(If "Gas", Production  / Underground storage  / Deep  / Shallow   
LOCATION: Elevation: 705' Watershed: Mill Creek  
District: Ripley County: Jackson Quadrangle: Ripley 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 Robert L & Cheryl L. Parsons ET AL COAL OPERATOR Not Applicable  
Address Rt. 4 Box 82 Address: \_\_\_\_\_  
Ripley, WV 25271

ACREAGE 350 acres COAL OWNER(S) WITH DECLARATION ON PERMIT \_\_\_\_\_  
SURFACE OWNER same as above Name \_\_\_\_\_  
Address \_\_\_\_\_ Address \_\_\_\_\_  
ACREAGE \_\_\_\_\_ Name \_\_\_\_\_  
Address \_\_\_\_\_

FIELD SALE (IF MADE) TO: \_\_\_\_\_  
Name \_\_\_\_\_ Address \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_

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

RECEIVED  
SEP 19 1980

OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed  / lease  / other contract  / dated March 29, 1977 from Columbia Gas Transmission Corporation  
[If said deed, lease, or other contract has been recorded:]

Recorded on June 14, 1977 in the office of the Clerk of the County Commission of Jackson County, West Virginia, in Book 144 at page 427. A permit is requested to allow

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 well 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, Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
COPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISSION  
1000 MAIN STREET, EAST  
CHARLESTON, WV 25301

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	Left in well		
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	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 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 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 \_\_\_\_\_

*[Signature]*