



FILE NO. 83-95
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1"/200'
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION WITH RT 10 (687)

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Chester B. Waterman
 R.P.E. 3788 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 3/2, 19 83
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-011-0719
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 720 WATER SHED LEFT FORK DAVIS CREEK
 DISTRICT BARBOURSVILLE COUNTY CABELL
 QUADRANGLE WINSLOW 7.5' Shuyondot 15' EC
 SURFACE OWNER ELDON WALKER ACREAGE 70
 OIL & GAS ROYALTY OWNER ELDON WALKER LEASE ACREAGE 70
 LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 3-G Merritt Creek - Salt Rock

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION CLINTON S.S. ESTIMATED DEPTH 4740'
 WELL OPERATOR ALLEGHENY & WESTERN DESIGNATED AGENT ROLAND C. BAER
 ADDRESS P.O. BOX 2507 ADDRESS SAME
CHARLESTON, WV 25329 DEEP WELL

APR 4 1983
 (206)

IV-35
(Rev 8-81)

JUL 05 1983



REPORT

JUN 21 1983

State of West Virginia
Department of Mines
Oil and Gas Division

Date June 15, 1983
Operator's Well No. E. Walker #1
Farm Eldon Walker
API No. 47 - 011 - 0719

OIL & GAS DIVISION WELL OPERATOR'S REPORT
DEPT. OF MINES OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 720' Watershed Left Fork Davis Creek
District: Barboursville County Cabell Quadrangle Winslow 7.5'

COMPANY Allegheny & Western Energy Corp.
ADDRESS P.O. Box 2587, Charleston, WV 25329
DESIGNATED AGENT Roland C. Baer, Jr.
ADDRESS SAME
SURFACE OWNER Eldon Walker
ADDRESS 4861 16th St. Rd, Barboursville, WV 25701
MINERAL RIGHTS OWNER SAME
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Ken
Butcher ADDRESS Barboursville, WV
PERMIT ISSUED March 30, 1983
DRILLING COMMENCED April 1, 1983
DRILLING COMPLETED April 10, 1983
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"		161	150
9 5/8		2338	200
8 5/8			
7		4068	270
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Clinton Sandstone Depth 4740 feet
Depth of completed well 4993 feet Rotary x / Cable Tools
Water strata depth: Fresh 130 feet; Salt 1095 feet
Coal seam depths: N/A Is coal being mined in the area?

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 3121-3318 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 130 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure 500 psig (surface measurement) after 72 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 Oil: 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

(Continue on reverse side)

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

Perforated 3121' - 3318' w/20 shots; foam frac w/1000 gal. of 15% HCL, 2800# of 20/40 US mesh sand and 585,000 cf of N₂

Huron

WELL LOG Allegheny Nuclear Survey and
Young Wireline Service

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay			0	42	
Sand-Rock			42	226	130' fresh water
Sandy Shale			226	480	
Sand & Shale			480	1108	
Salt Sand			1109	1467	1095 Salt water
Little Lime			1467	1528	
Pencil Cave			1528	1524	
Big Lime			1524	1626	
Injun			1626	1730	
Shale			1730	2300	
Coffee Shale			2300	2313	
Shale			2313	3600	
Corniferious			3600	4416	
Shale			4416	4648	
Keefer			4648	4739	
Shale			4739	4790	
Clinton			4790	4834	
Shale		<i>Juniata</i>	4834	4993	T.D.

*4993
3600

1393 expl ftg.*

*3121
2373

808*

*3600
2313

1287*

(Attach separate sheets as necessary)

Allegheny & Western Energy Corporation
Well Operator

By: *RN Hess*

Date: June 16, 1983

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."



1) Date: March 23, 19 83
 2) Operator's Well No. E. Walker #1
 3) API Well No. 47 011 0719
 State _____ County _____ Permit _____

DRILLING CONTRACTOR:

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

WVA Drilling Co., Inc.

Elrview, WV

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep X / Shallow _____ /)
- 5) LOCATION: Elevation: 720' Watershed: Felt Fork Davis Creek
 District: Barbourville County: Cabell Quadrangle: Winslow 7.5'
- 6) WELL OPERATOR Allegheny & Western Drilling 11) DESIGNATED AGENT Roland C. Baer, Jr.
 Address P.O. Box 2587 Address P.O. Box 2587
Charleston, WV 25329 Charleston, WV 25329
- 7) OIL & GAS ROYALTY OWNER Eldon Walker 12) COAL OPERATOR N/A
 Address 4861 16th Street Road Address _____
Barbourville, WV 25701
- 8) SURFACE OWNER Eldon Walker 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address SAME Name N/A
 Address _____
 Acreage 70 Name _____
 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address N/A
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Kenneth Butcher Address _____
 Address RFD #1 Address _____
Barbourville, WV
- 15) PROPOSED WORK: Drill X / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Clinton Sandstone
- 17) Estimated depth of completed well, 4740 feet
- 18) Approximate water strata depths: Fresh, 150 feet; salt, 1709' feet.
- 19) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No X /

20) 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	20"								Kinds
Fresh water				X		150	150	125	
Coal	9 5/8	SMLS	32	X		2325	2325	125	Sizes
Intermediate	7	SMLS	23	X		3900	3900	150	
Production	4 1/2	SMLS	10.5	X		4740	4740	300	Depths set
Tubing									
Liners									Perforations: Top Bottom

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) 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.

Notary: _____
 My Commission Expires June 3, 1993

Signed: R. C. Baer, Jr.
 Its: President

OFFICE USE ONLY
DRILLING PERMIT

Permit number _____

19

Date _____

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires _____

unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee

 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.