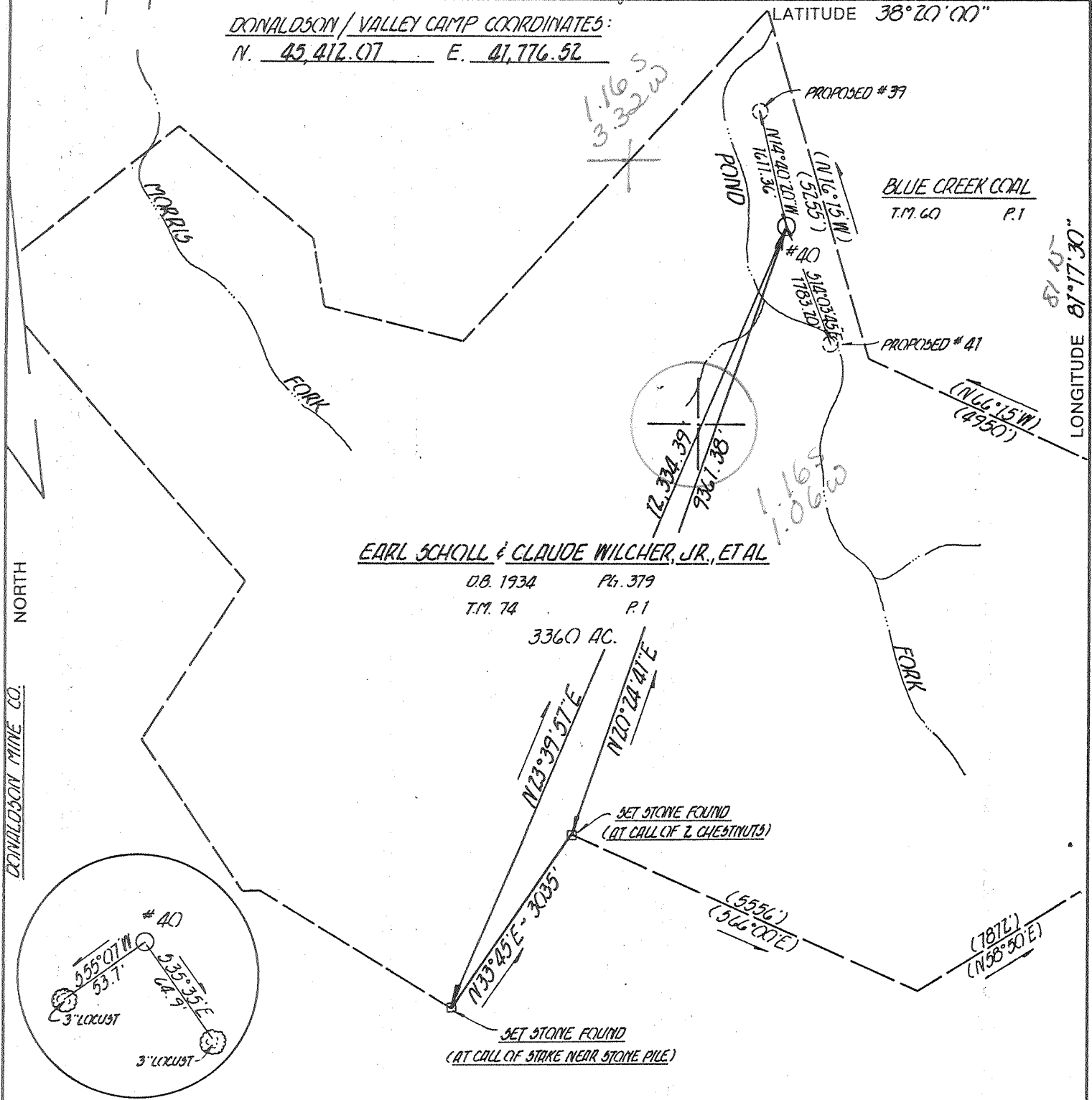


10/15/86

5670' W

DONALDSON / VALLEY CAMP COORDINATES:
N. 45,412.07 E. 41,776.52

LATITUDE 38° 20' 00"



EARL SCHOLL & CLAUDE WILCHER, JR., ET AL

O.B. 1934 P.G. 379
T.M. 74 P.1

3360 AC.
N23°39'51"E
N20°24'41"E

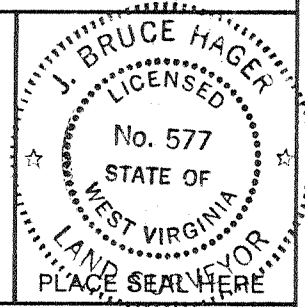
SET STONE FOUND
(AT CALL OF 2 CHESTNUTS)

SET STONE FOUND
(AT CALL OF STAKE NEAR STONE PILE)

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 8698-4
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION DONALDSON MINE CO. PERM. STATION # 26 - EL. 1056.14

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 ENERGY.
 (SIGNED) Bruce Hager
 R.P.E. _____ L.L.S. 577



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE OCT. 13 19 86
 OPERATOR'S WELL NO. SCHOLL # 40
 API WELL NO. _____

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION 1205' WATER SHED POND FORK OF BLUE CREEK
 DISTRICT ELK 4 COUNTY KANAWHA
 QUADRANGLE MAMMOTH 7.5' 455 029 SE9 Clendenin

SURFACE OWNER EARL SCHOLL & CLAUDE WILCHER, JR., ET AL ACREAGE 3360
 OIL & GAS ROYALTY OWNER E. SCHOLL & C. WILCHER LEASE ACREAGE 3360

LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5290'
 WELL OPERATOR ALLEGHENY & WESTERN ENERGY CORP. DESIGNATED AGENT DENNIS L. MANN
 ADDRESS P.O. BOX 2587 CHARLESTON, WV. 25329 ADDRESS P.O. BOX 2587 CHARLESTON, WV. 25329

OCT 20 1986

COUNTY NAME PERMIT

FORM WW-6 H.T. HALL 48673

DEEP

6-6 Pond Fork (325)

7/85

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OCT 15 1986



1) Date: 14 October, 19 86
2) Operator's Well No. Scholl #40
3) API Well No. 47-039-4369
State _____ County _____ Permit _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas XX /
B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 1205 Watershed: Pond Fork of Blue Creek
District: Elk County: Kanawha Quadrangle: Mammoth 7.5' 455
- 6) WELL OPERATOR A & W Energy Co CODE: 1100 7) DESIGNATED AGENT Dennis L. Mann
Address P.O. Box 2587 Address P.O. Box 2587
Charleston, WV 25329 Charleston, WV 25329
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Carlos Hively 9) DRILLING CONTRACTOR: Name Not Available
Address 223 Pinch Ridge Road Address _____
Elkview, WV 25071
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulate XX /
Plug off old formation _____ / Perforate new formation _____
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Big Lime, Weir, Devonian, Shales
- 12) Estimated depth of completed well, 5290 feet
13) Approximate strata depths: Fresh, 50 feet; salt, 500 feet.
14) Approximate coal seam depths: 200 Is coal being mined in the area? Yes _____ / No XX /
- 15) CASING AND TUBING PROGRAM Permit # 699

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	sm1	\$32	x		1783 720	300 cts	by rule 15.05
Coal	7	sm1	\$23	x		2101	200 cts	Sizes
Intermediate								
Production	4-1/2	sm1	\$10.5	x		5290	200-400 cts	Depths set or as required
Tubing								by rule 15.01
Liners								Perforations:
								Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-039-4369 Date October 17 19 86

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires October 17, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>ASB</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>3921</u> <u>149</u>	WCCP: <u>AS</u>	S&E: <u>AS</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.

John P. Johnston
Director, Division of Oil and Gas

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

RECEIVED
MAR 24 1987



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date March 23, 1987
Operator's
Well No. Scholl 40
Farm Scholl/Wilcher
API No. 47 - 039 - 4369

WR-35

WELL OPERATOR'S REPORT
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: 1205 Watershed Pond Fork of Blue Creek
District: Elk County Kanawha Quadrangle Mammoth 7.5

COMPANY Allegheny & Western Energy Corp

ADDRESS P.O.Box 2587, Charleston, W.Va

DESIGNATED AGENT Dennis L. Mann

ADDRESS P.O.Box 2587, Charleston, W.Va

SURFACE OWNER Scholl/Wilcher

ADDRESS 1033 Quarrier St, Charleston, W.Va.

MINERAL RIGHTS OWNER Same

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Carlos
Hivley ADDRESS 223 Pinch Ridge Rd
Elkview, W.Va

PERMIT ISSUED 8/17/86

DRILLING COMMENCED 11/10/86

DRILLING COMPLETED 11/18/86

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"			
9 5/8	798	798	275 sks
8 5/8			
7	2006	2006	200 sks
5 1/2			
4 1/2	5709	5709	225 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5290 feet

Depth of completed well 5770 feet Rotary X / Cable Tools _____

Water strata depth: Fresh 50 feet; Salt 500 feet

Coal seam depths: 200 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Weir Pay zone depth 2227 feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow (20) Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 640 psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

Second producing formation Devonian Shale Pay zone depth 2355 feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow (187) Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 640 psig (surface measurement) after 24 hours shut in

207 Mcf
FOF for
well

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

WEIR 2227-2237 perf w/ 21 holes frac w/ 10,000 gel acid + 92,100 scf n2
 2355-3142 perf w/ 31 hole frac w/ 60,000# 20/40 sd = 1,140,000 scf n2
 3197-4563 perf w/ 40 holes frac w/ 60,000# 20/40 sd + 1,140,000 scf n2
 4610-5649 perf W/ 35 holes frac w/ 60,000# 20/40 sd + 1,000,000 scf n2

RECEIVED
 MAR 24 1987

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
SANDSTONE & SHALE			0	1062	ALL DEPTHS 10' KB
SALTSAND			1062	1225	
SHALE			1225	1327	
SALTSAND			1327	1449	
SHALE			1449	1681	
MAXON			1681	1748	
LITTLE LIME			1748	1787	
PENCIL CAVE			1787	1794	
BIG LIME			1794	2005	
SHALE			2005	2127	
WEIR SAND			2127	2260	
SHALE			2260	2500	
SUNBURY SHALE			2500	2519	
SANDY SILTSTONE & SHALE			2519	2786	
LT. BROWN & GREY SHALE			2786	5647	
MARCELLUS SHALE			5647	5740	
ONONDAGA LIMESTONE			5740	5770	

5770
 TD 4770' KB

404 2519
 813 3644
 822 4519
 825 4719
 830 5019
 835 5319

5770
 4770
 4525

(Attach separate sheets as necessary)

Allegheny & Western Energy Corp
 Well Operator

By: Dennis L. Man

Date: Vice President / Chief of Operations

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."



Revised

IV-35
(Rev 8-81)

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MAY 21 1987

State of West Virginia
Department of Mines
Oil and Gas Division

Date March 23, 1987
Operator's
Well No. Scholl 40
Farm Scholl/Wilcher
API No. 47 - 039 - 4369

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT
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: 1205 Watershed Pond Fork of Blue Creek
District: Elk County Kanawha Quadrangle Mammoth 7.5

COMPANY Allegheny & Western Energy Corp
ADDRESS P.O. Box 2587, Charleston, W.Va., 25329
DESIGNATED AGENT Dennis L. Mann
ADDRESS P.O. Box 2587, Charleston, W.Va., 25329
SURFACE OWNER Scholl/Wilcher
ADDRESS 1033 Quarrier St., Charleston, W.Va.
MINERAL RIGHTS OWNER Same
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Carlos
223 Pinch Ridge Rd.
ADDRESS Elkview, W.Va. 25071
PERMIT ISSUED 8/17/86
DRILLING COMMENCED 11/10/86
DRILLING COMPLETED 11/18/86

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
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4 1/2	5709	5709	225 sks
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2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5290 feet
Depth of completed well 5762 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 50 feet; Salt 500 feet
Coal seam depths: 200 Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Weir Pay zone depth 2227 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 20 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 640 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)

Second producing formation Devonian Shale Pay zone depth 2519 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 187 Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 640 psig (surface measurement) after 24 hours shut in

(Continue on reverse side)

JUN 1 1987

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

2227-2237 perf w/ 21 holes frac w/ 10,000 gel acid + 92,100 scf n2
 2355-3142 perf w/ 31 holes frac w/ 60,000# 20/40 sd = 1,140,000 scf n2
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RECEIVED
MAY 21 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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LT. BROWN & GREY SHALE			2786	5647	
MARCELLUS SHALE			5647	5740	
ONONDAGA LIMESTONE			5740	5762	TD 5762' KB

(Attach separate sheets as necessary)

Allegheny & Western Energy Corp
Well Operator

By: Dennis G. Mc... Vice President

Date: May 4, 1987

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