

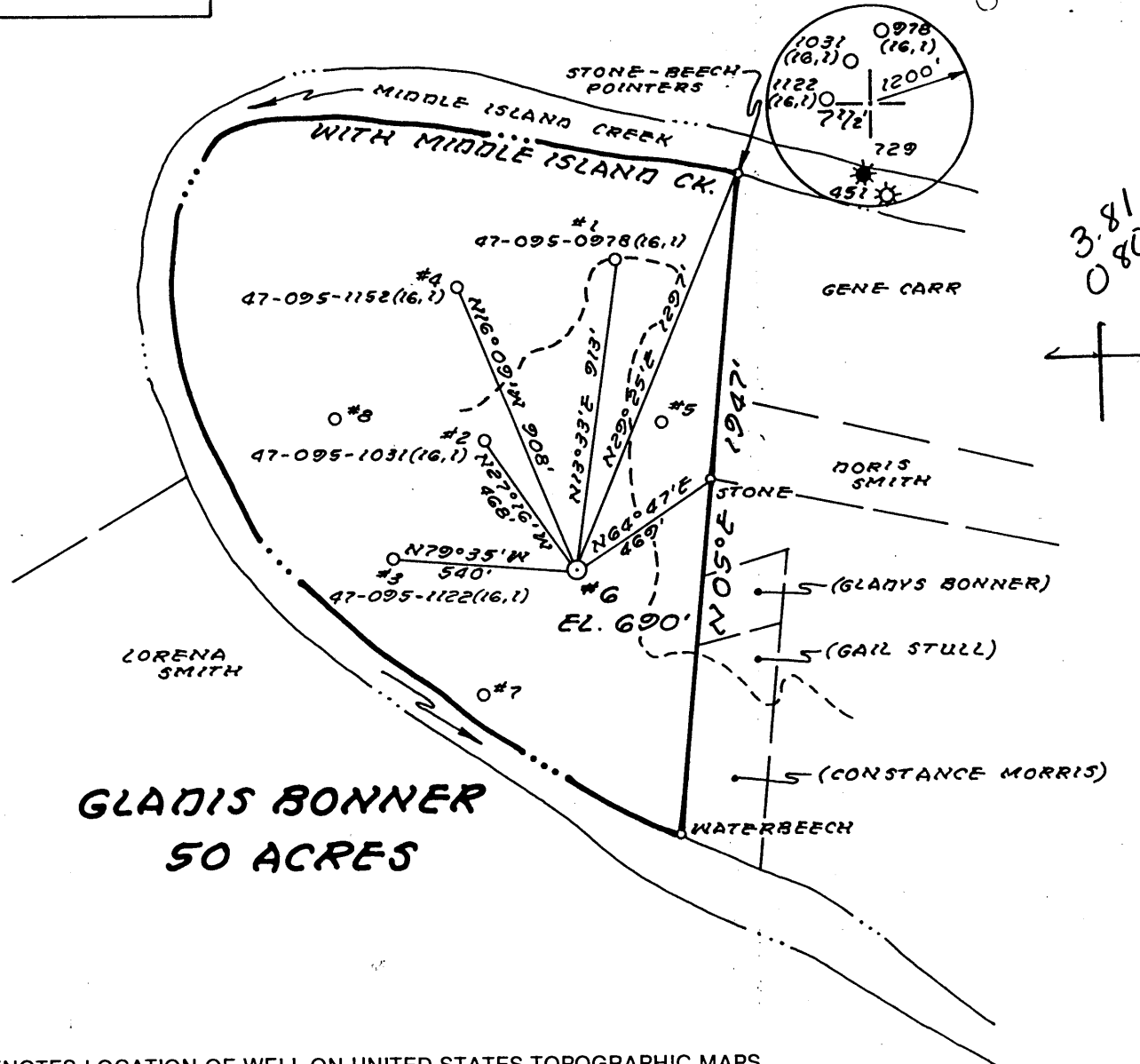
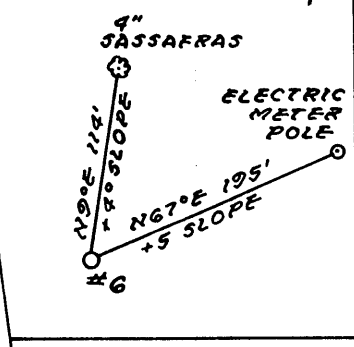
4/16/87

4220' 39' 30"

LATITUDE 39° 27' 30"

LONGITUDE 81° 00' 00"

NORTH



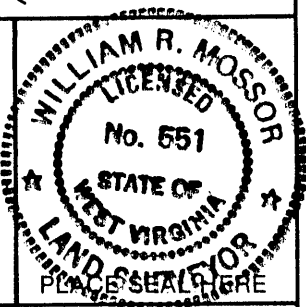
0.735  
0.800

3.81  
0.80

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

FILE NO. MB1-9, 12-849  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION 47-095-0978 (BONNER #1) 749'

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) William R. Mossor  
 R.P.E. \_\_\_\_\_ L.L.S. 551



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE 10 FEBRUARY, 19 87  
 OPERATOR'S WELL NO. 6  
 API WELL NO. 47-095-1181

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 690' WATER SHED MIDDLE ISLAND CREEK  
 DISTRICT UNION 6 COUNTY TYLER  
 QUADRANGLE BENS RUN 7 1/2' 244 000 St. Marys NE  
 SURFACE OWNER GLADIS BONNER ESTATE ACREAGE 50  
 OIL & GAS ROYALTY OWNER GLADIS BONNER ESTATE LEASE ACREAGE 50

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 ESTIMATED DEPTH 5990'  
 WELL OPERATOR TRANS-CAPITAL INVEST. GROUP DESIGNATED AGENT BARRY D. HAUGH?  
 ADDRESS SUITE 601, 501E. KENNEDY BLVD. TAMPA, FLA 33602 ADDRESS ROUTE 3, BOX 14 SMITHVILLE, WV 26178

APR 20 1987

COUNTY NAME PERMIT

FORM WW-6 H.T. HALL 48673

6-6 Shiloh-Wick (86)



IV-35  
(Rev 8-81)

**RECEIVED**  
DEC 11 1987

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date OCTOBER 30, 1987  
Operator's Well No. #6  
Farm GLADIS BONNER  
API No. 47-095-1181

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

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

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

LOCATION: Elevation: 690' Watershed MIDDLE ISLAND CREEK  
District: UNION County TYLER Quadrangle BENS RUN

COMPANY TRANS-CAPITAL INVESTMENT GROUP

ADDRESS 501 E. KENNEDY BLVD., SUITE 601

DESIGNATED AGENT TAMPA FLORIDA 33602  
BARRY D. HAUGHT

ADDRESS ROUTE 3  
BOX 14, SMITHVILLE, W.V. 26178

SURFACE OWNER DENZIL BONNER

ADDRESS 667 KNOLLWOOD DRIVE, MT. AIRY

MINERAL RIGHTS OWNER SAME NC 27030

ADDRESS SAME

OIL AND GAS INSPECTOR FOR THIS WORK ROBERT

LOWMYER ADDRESS GENERAL DELIVERY

PERMIT ISSUED 4/15/87 MIDDLEBOURNE  
W.V. 26149

DRILLING COMMENCED 4/20/87

DRILLING COMPLETED 4/29/87

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			
8 5/8	362'	YES	CEMENTED TO SURFACE
7	1485'	YES	No
5 1/2			
4 1/2			
3			
2	1557'	YES	No
Liners used			

GEOLOGICAL TARGET FORMATION KEENER & BIG INJUN Depth 1600' feet

Depth of completed well 1593' feet Rotary XX / Cable Tools XX

Water strata depth: Fresh 70'-95' feet; Salt 323'-330' feet SULFUR

Coal seam depths: NONE Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation KEENER Pay zone depth 1540' - 1560' feet

Gas: Initial open flow 10 Mcf/d Oil: Initial open flow 3 Bbl/d

Final open flow 20 Mcf/d Final open flow 4 Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 50 psig (surface measurement) after 12 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

DEC 21 1987

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

095 1181

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all free and salt water, coal, oil and gas
CLAY & Shale			0	70	FRESH WATER
SAND & WATER			70	95	
SHALE			95	100	
SHALE			100	120	
LIME			120	135	
LIME			135	150	
SHALE			150	185	
SHALE			185	195	
SHALE			195	210	
SLATE			210	225	
SHALE			225	265	SULFUR WATER
LIME			265	275	
LIME			275	300	
SHALE			300	315	
LIME			315	337	
LIME			337	345	
GRAY SHALE			345	400	
LIME			400	435	
GRAY SHALE			435	450	
SAND			450	480	
GRAY SHALE			480	564	RAN 7" CASING TO 1485'
TOP OF BIG RE CAVE			565	623	
RED SHALE			623	685	

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DEC 11 1987

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

Well Operator

By:

Date:

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

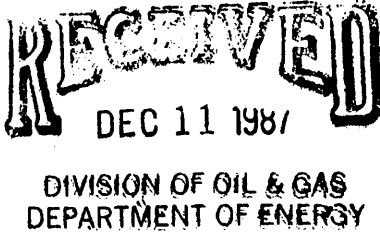
1858

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

NATURAL 2 BBL.  
SHOT WITH 40 QUARTS NITRO 4/30/87  
AFTER SHOT 4 BBL.  
20,000 MCF

BOUNNER #6 (2)

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
TOP OF FIRST			685	700	  KEENER  WELL PLUGGED BACK TO 1566'
GRAY SHALE			700	750	
SHALE & LIME			750	810	
TOP OF SECOND			810	860	
LIME & SHALE			860	1032	
SAND			1032	1065	
LIME			1065	1076	
SHALE			1076	1080	
LIME			1080	1270	
SHALE			1270	1399	
SAND			1399	1444	
LIME			1444	1454	
SHALE & LIME			1454	1475	
LIME			1475	1540	
SAND			1540	1560	
SHALE			1560	1580	
SAND			1580	1593	

(Attach separate sheets as necessary)

TRANS-CAPITAL INVESTMENT GROUP  
Well Operator BARRY D. HAUGHT

By: Barry D. Haught

Date: 10/30/87

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."

**RECEIVED**  
APR 15 1987



1) Date: March 30, 1987  
2) Operator's Well No. Bonner #6  
3) API Well No. 47 095 1181  
State County Permit

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

- 4) WELL TYPE: A Oil XX / Gas XX /  
B (If "Gas", Production XX / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow XX /)
- 5) LOCATION: Elevation: 690' Watershed: Middle Island Creek  
District: Union 6 County: Tyler 095 Quadrangle: Bens Run 241
- 6) WELL OPERATOR Trans-Capital Invest Group CODE: 44505 7) DESIGNATED AGENT Barry D. Haught  
Address Suite 601; 501 E. Kennedy Blvd. Address Route 3, Box 14  
Tampa, Florida 33602 Smithville, WV 26178
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther  
Address General Delivery  
Middlebourne, WV 26149
- 9) DRILLING CONTRACTOR: Name Falls Mills Drilling & Completion Service  
Address 101 E. Madison Street  
Paden City, WV 26159
- 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, Marcellus Shale
- 12) Estimated depth of completed well, 5990' feet  
13) Approximate strata depths: Fresh, 800' feet; salt, 600' feet.  
14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No XX /

15) 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	10 3/4"					350'		CTS	Kinds NEAT
Fresh water									
Coal									Sizes
Intermediate	7"					1500'		CTS	
Production						5990'	5990'	450 sacks	Depths set or as req.
Tubing									by rule 15.01
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-095-1181 Date April 16 19 87

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 April 16, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <u>103</u>	WPCP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <u>R.A.L.</u>
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NOTE: Keep one copy of this permit posted at the drilling location.

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

John H. Johnston  
Director, Division of Oil and Gas  
By [Signature] File