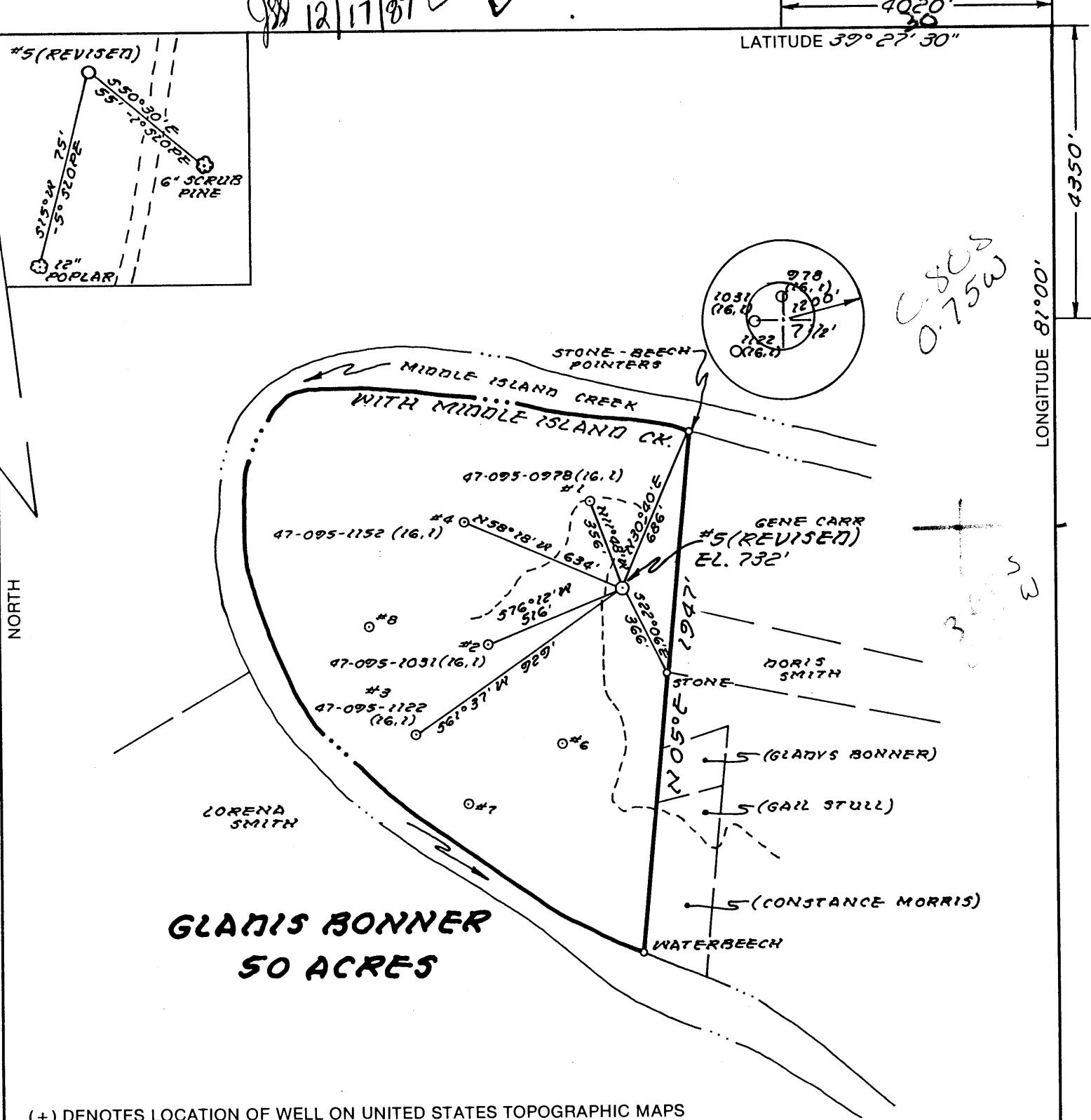
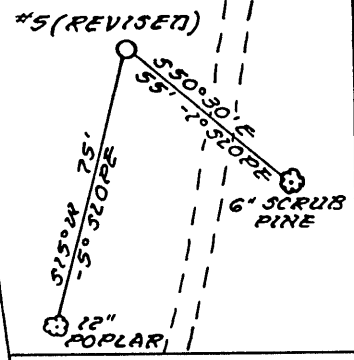


988 12/17/87 ✓ ✓

LATITUDE 39° 27' 30"

4020'

LONGITUDE 81° 00'

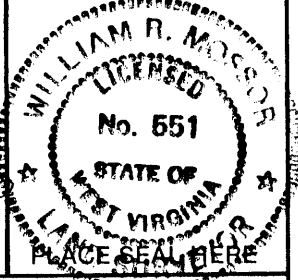


**GLADIS BONNER  
50 ACRES**

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

FILE NO. MB1-9, 12-8, 9, 10  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION 47-095-1122 (BONNER # 3) 664'

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. Moore  
 R.P.E. \_\_\_\_\_ L.L.S. 551



**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION**



DATE 5 MAY 1987  
 OPERATOR'S WELL NO. 5 (REVISED)  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 732' WATER SHED MIDDLE ISLAND CREEK  
 DISTRICT UNION 6 COUNTY TYLER  
 QUADRANGLE BENS RUN 742' 241 116 3 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. HAUGHT  
 ADDRESS 501 E. KENNEDY BLVD., SUITE 601 TAMPA, FLA. 33602 ADDRESS RT. 3, BOX 41 SMITHVILLE, WV 26178

DEC 21 1987

6-6 Shiloh - Wick

(086)

FORM WVW-6 H.I. HALL 4-80-73

COUNTY NAME PERMIT

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Reviewed TMG  
Recorded \_\_\_\_\_

Well Operator's Report of Well Work

RECEIVED  
JAN 11 91  
Division of Energy  
100 - 1 Descriptive

Farm name: BONNER, GLYDIS - ESTATE Operator Well No.: BONNER 5

LOCATION: Elevation: 732.00 Quadrangle: BENS RUN

District: UNION County: TYLER  
Latitude: 4350 Feet South of 39 Deg. 27Min. 30 Sec.  
Longitude 4020 Feet West of 81 Deg. 0 Min. 0 Sec.

Company: TRANS-CAPITAL INVESTMENT  
501 E. KENNEDY BLVD. SUITE601  
TAMPA, FL 33602-0000

Agent: BARRY D. HAUGHT

Inspector: MIKE UNDERWOOD  
Permit Issued: 12/18/87  
Well work Commenced: 7/06/88  
Well work Completed: 8/15/88  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary Cable  Rig  
Total Depth (feet) 1630  
Fresh water depths (ft) 65

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): \_\_\_\_\_

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
10 3/4"	350'	350'	To surface
8 5/8"	978'	pulled	N/A
7"	1500'	1500'	

OPEN FLOW DATA

Producing formation Keener & Big Injun Pay zone depth (ft) 1620-1630  
Gas: Initial open flow 2064 MCF/d Oil: Initial open flow 5 Bbl/d  
Final open flow 2064 MCF/d Final open flow 5 Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 450 psig (surface pressure) after 8 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
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 pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: TRANS-CAPITAL INVESTMENT GROUP, INC.

By: Barry D. Haught by [Signature]  
Date: 1-8-91

JAN 11 1991

No frac. Natural producing well from 1620 - 1630.

<u>FORMATION</u>	<u>TOP FEET</u>	<u>BOTTOM FEET</u>	<u>REMARKS</u>
Soil	0	10	
Red Rock	10	15	
Slate	15	35	
Sand	35	65	Water hole full
Red Rock	65	74	
Slate	74	100	
Red Rock	100	280	
Sand	280	310	
Lime	310	375	
Red Rock	375	485	
Sand	485	510	
Slate and Shells	510	720	
Red Rock	720	846	
Slate and Shells	846	978	
Big Dunkard Sand	978	1010	Run 8 5/8"
Salte and Shells	1010	1148	
1st Gas Sand	1148	1200	
Slate	1200	1210	
2nd Gas Sand	1210	1238	
Slate	1238	1258	
1st Salt Sand	1258	1300	
Slate	1300	1320	
2nd Salt Sand	1320	1340	
Slate	1340	1378	
3rd Salt Sand	1378	1402	
Slate	1402	1450	
Maxon Sand	1450	1475	Show of gas. No test.
Slate	1475	1495	
Little Lime	1495	1530	
Slate	1530	1548	
Blue Monday Sand	1548	1550	Run 7"
Big Lime	1550	1598	
Slate	1598	1602	
Keener Sand	1602	1630	T.D. Natural gas & oil 1620-1630

Gas test - 21/10 7" water

6513



1) Date: December 14, 1987  
 2) Operator's Well No. Bonner #5  
 3) API Well No. 47 095 1222

**RECEIVED**  
 DEC 15 1987

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

DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

- 4) WELL TYPE: A Oil XX / Gas XX /  
 B (If "Gas", Production XX / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow XX)
- 5) LOCATION: Elevation: 732' Watershed: Middle Island Creek  
 District: Union County: Tyler Quadrangle: Bens Run
- 6) WELL OPERATOR Trans-Capital Inv. CODE: 49565 7) DESIGNATED AGENT Barry D. Haught  
 Address Suite 601 Group 1041 Address Route 3, Box 14  
501 E. Kennedy Blvd. Tampa, FL 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 Serv.  
 Address 101 E. Madison Street  
Paden City, West Virginia 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 trata 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		
Conductor	10 3/4"					350'	350'	Kinds Neat 38CSR18-11.3 Sizes 38CSR18-11.22
Fresh water								
Coal								
Intermediate	7"					1500'	1500'	CTS } 450 sacks Depths set or as required by rule Perforations: 38CSR18-11.1 Top Bottom
Production	4 1/2"					5990'	5990'	
Tubing								
Lin...								

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-095-1222 Date December 18 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 December 18, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plan:	Casing:	Fee:	WPPP:	SAE:	Other:
				240 325			

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

Director, Division of Oil and Gas

File

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