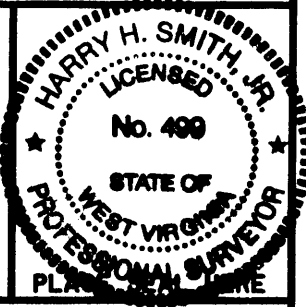


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2')

FILE NO. _____
DRAWING NO. 7504
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION Existing Well Pad

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) Harry H. Smith
R.P.E. _____ L.L.S. 499



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE September 3, 19 97
OPERATOR'S WELL NO. 7504
API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____ STATE 47 COUNTY 077 PERMIT 00097

(IF "GAS,") PRODUCTION _____ STORAGE X DEEP _____ SHALLOW _____

LOCATION: ELEVATION 2206.2' WATER SHED Wolf Run Of Saltlick Creek
DISTRICT Union COUNTY Preston
QUADRANGLE Terra Alta COORDINATES LAT: 39°22'36" LONG: 79°35'23"

SURFACE OWNER Margaux & Meaghan Bowman Each 112 Interest ACREAGE 183.6 Ac
OIL & GAS ROYALTY OWNER Same LEASE ACREAGE 187
COAL OWNER Same LEASE NO. 90501

PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Storage Recondition

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION Chert & Oriskany ESTIMATED DEPTH 5694'
WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L. COTY
ADDRESS PO Box 1273, Charleston, WV ADDRESS PO BOX 1273 CHARLESTON, WV
25325-1273 25325-1273

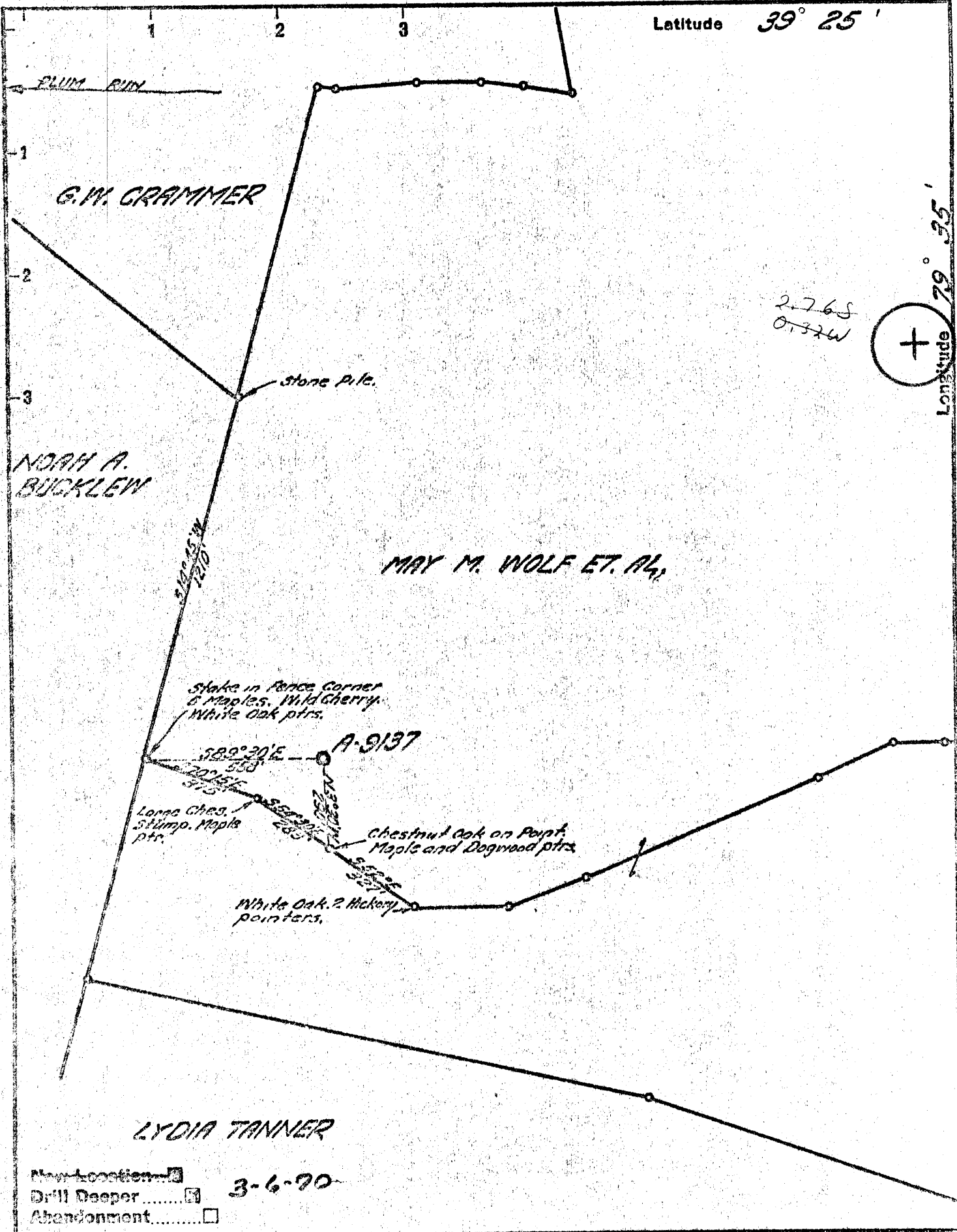
DEEP WELL

FORM 9-AM (REV. 10-88)

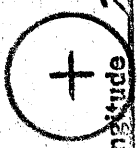
COUNTY NAME PRESTON
PERMIT 97

Latitude 39° 25'

Longitude 79° 35'



2.76S
0.32W



New Location
 Drill Deeper 3-6-70
 Abandonment

Company ATLANTIC SEABOARD CORP.
 Address CHARLESTON, W. VA.
 Farm MAY M. WOLFE ET AL.
 Tract Acres 28.2 Lease No. A.S. 501
 Well (Farm) No. X-76 S-7504 Serial No. (A-9137)
 Elevation (Split Level) 2206.93'
 Quadrangle MINGWOOD
 County PRESTON District UNION
 Registrar Joseph R. Marshall
 Registrar's Registration No. 6583
 File No. 25-100 Drawing No. _____
 Date 1-3-68 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. PRES-94-DD

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border lines of original tracing.

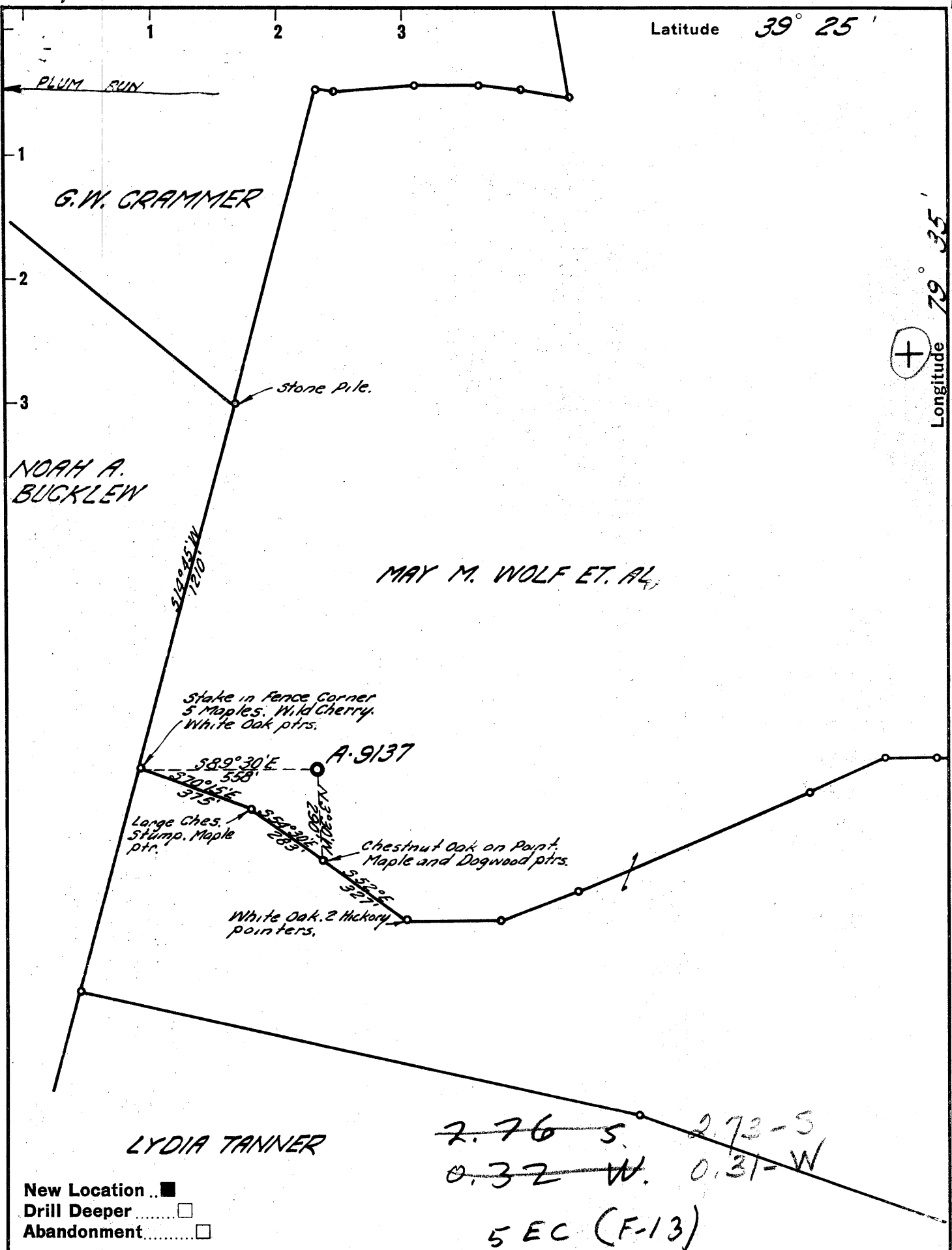
GWDD GS 9-0 Terra Alta 280

Deep Well
(Oriskany)

MAR 18 1970

Latitude 39° 25'

Longitude 79° 35'



New Location

Drill Deeper

Abandonment

Company ATLANTIC SEABOARD CORP.

Address CHARLESTON, W.VA.

Farm MAY M. WOLFE ET. AL.

Tract _____ Acres 28.9 Lease No. AS-501

Well (Farm) No. _____ Serial No. A-9137

Elevation (Spirit Level) 2206.93'

Quadrangle KINGWOOD - C

County PRESTON, District UNION

Engineer Seybert R. Russell

Engineer's Registration No. 2529

File No. 172-129 Drawing No. _____

Date 1-3-62 Scale 1" = 400'

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

WELL LOCATION MAP
FILE NO. PRES-94

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

Deep Well

WR-35

12-Feb-98

API # 47- 077-00097 F

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Reviewed *[Signature]*

Well Operator's Report of Well Work

Farm name: BOWMAN, MARGAUX & MEAGHAN Operator well No.: 7504
TERRA ALTA S. #7504
LOCATION: Elevation: 2,206.90 Quadrangle: TERRA ALTA
District: UNION County: PRESTON
Latitude: 14,500 Feet South of 39 Deg. 25 Min. 0 Sec.
Longitude: 1,800 Feet West of 79 Deg. 35 Min. 0 Sec.

Compay: COLUMBIA GAS TRANSMISSION
P.O. BOX 1273
CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY
Inspector: PHILLIP TRACY
Permit Issued: 02/16/98
Well work Commenced: 07-26-98
Well work Completed: 08-28-98
Verbal Plugging
Permission granted on: _____
Rotary _____ Cable _____ Rig
Total Depth (feet) 5,694'
Fresh water depths (ft) See Original Records
Salt water depths (ft) See Previous
Is coal being mined in area (Y/N) ? N
Coal Depths (ft) : See Previous

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
WORKOVER & STIMULATION; SEE OPPOSITE SIDE FOR DETAILS			
Pulled & Retired: 2-3/8"	5,678'	all removed 0' left in well.	
		MAR 09 1999	

OPEN FLOW DATA

Producing formation Huntersville Chert & Oriskany Pay zone depth (ft) 5394'-5543'; 5558'-5685'
Gas : Initial open flow 320 MCF/d Oil : Initial open flow _____ Bbl/d
Final open flow 20,200 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests (28 Months) Hours
Static rock Pressure 2,106 psig (surface pressure) after (55 Days) 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: COLUMBIA GAS TRANSMISSION CORP.

By: *W.H. Fowler*
Date: 3/5/99

MAR 29 1999

PRE 0097N

WR-35

12-Feb-98

API # 47- 077-00097 F

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

WORKOVER:

- Recovered and retired 5,678' of 2-3/8" 4.6 lb/ft J-55 tubing (tallied length: 5,681.31')
- Cleaned out hole to 5,690'.
- A new partial wellhead was installed.

STIMULATION:

- Acidized on 08-26-98.
- The well was treated as follows:
- Additives : FE1-A, FE-5A, BA-2, HAI-81, SCA-130, PENN-88, and HC-2.
- Total acid 5,620 gallons 15% FE acid, 1,008 gallons 20% FE acid.
- Total water 420 gallons
- Total nitrogen 308,000scf
- Fluids removed from location and transported for disposal @ LAD (Liquid Asset Disposal, Inc.) Wheeling, WV.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Kingwood

Permit No. PRES-97

WELL RECORD

Oil or Gas Well Gas
(KIND)

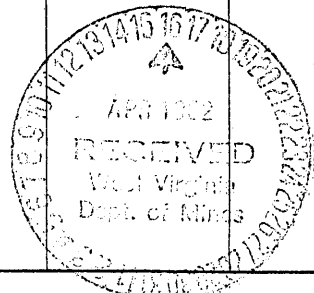
Company Atlantic Seaboard Corporation
Address P.O. Box 1273; Charleston 25, W.Va.
Farm May M. Wolfe, et al Acres 289
Location (waters) Wolf Run
Well No. A-9137 Elev. 2206.93
District Union County Preston
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Helen Wolfe Bowman, et al
117 Beverly Street Address Kingwood, W. Va.
Drilling commenced 3-10-62
Drilling completed 4-3-62
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 30#/sq. inch in 4" ID 16,363,776 Cu. Ft.
Rock Pressure 1597.2 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10 11-3/4"	62'	62'	Size of
8 1/2 5/8		532	
6 5/8			Depth set
5 3/4 1 1/2		5405'	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water None Feet _____ Salt Water None Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Siltstone & Shale			0	4541			
<i>✓ Tully lime</i>			4541	4555			
Shale			4555	5372			
<i>✓ Onondaga Line</i>			5372	5394	5372		
<i>✓ Chert - Humpersville</i>			5394				
Total Depth			5437'				
			<u>463</u>				





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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Kingwood
Permit No. Pres. - 97 D.D.

WELL RECORD
"Drill Deeper"

Oil or Gas Well Storage
(KIND)

Company Atlantic Seaboard Corporation
Address P. O. Box 1273, Charleston, W. Va. 25325
Farm May M. Wolfe, et al. Acres 184
Location (waters) Wolfe Run
Well No. X-76-S-7504 Elev. 2206.93
District Union County Preston
The surface of tract is owned in fee by Helen Wolfe Bowman
Address Kingwood, W. Va.
Mineral rights are owned by Helen Wolfe Bowman
Address Kingwood, W. Va.

Drilling commenced March 10, 1970
Drilling completed March 18, 1970
Date Shot From To
With

Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS)

RESULT AFTER TREATMENT (Initial open Flow or bbls.)
ROCK PRESSURE AFTER TREATMENT HOURS
Fresh Water Feet Salt Water Feet
Producing Sand Depth

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10 11 3/4"	62'	62'	Size of
8 8 5/8"	532'	532'	Depth set
6 3/4"			
1 1/2 1 1/2"	5405'	5405'	Perf. top
4 1/2"			Perf. bottom
3"			Perf. top
1 2 3/8"	5678'	5678'	Perf. bottom
Liners Used			

Attach copy of cementing record.
CASING CEMENTED SIZE No. Ft. Date
Amount of cement used (bags)
Name of Service Co.
COAL WAS ENCOUNTERED AT None FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Chert			5394'				
Original Total Depth				5437'	5372	5553	5685
Chert - <u>Hundersville</u>			5394'	5543'	2207		
Shale - <u>Needmore</u>			5543'	5553'	3165	3346	3478
Oriskany			5553'	5685'			
Helderberg			5685'				
Total Depth			<u>485</u>	5694'			
				5437'			
				<u>257'</u> New footage			
				<u>257</u>			

RECEIVED

JAN 18 1971

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
NOTE:	2 3/8"	Rotary Seal- nipple, (1) off bottom.	Top 7	Bottom	(1) Baker Model "J" ported sliding sleeve.		
		J-55 Seal- lok tubing, run to T.D.			(1) Baker Model "L" sliding sleeve.		run tubing. May 18, 1970.
							fresh water to kill well in order to run tubing. May 18, 1970.
							ond log: (5439' - 4500'), November 19, 20, 1970.

Formation	Color	Hard or Soft	Oil Gas or Water	Depth	Remarks
Chert				2537'	
Original Total Depth				2504'	
Chert - <i>interbedded</i>				2543'	
Shale - <i>interbedded</i>				2553'	
Oriskany				2583'	
Heidelberg				2681'	
Total Depth				2681'	

RECEIVED

JAN 18 1971

Date December 17, 1970

APPROVED *[Signature]*
By *[Signature]*
(W)

JAN 2 1971

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

WELL WORK PERMIT

This permit, issued to COLUMBIA GAS TRANSMISSION CORP. is evidence of permission granted to perform the specified well work at the location described on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the ___ pages attached hereto. Notification shall be given to the Oil and Gas Inspector PHILLIP TRACY at 304-543-7389 prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be reported to 1-800-654-3312.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and in addition may result in civil and/or criminal penalties.

Well work to be conducted under this permit shall be commenced within two (2) years from date of issue.

Theodore M. Streit
Chief

By: _____

Title: _____

Operator's Well No: 7504

Farm Name: BOWMAN, MARGAUX & MEAGHAN

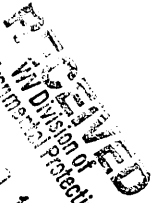
API Well Number : 47- 77-00097 F

Date Issued : 02/16/98

Expires two (2) years from issue date.

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

- 1) Well Operator: COLUMBIA GAS TRANSMISSION CORPORATION 1045⁰
- 2) Operator's Well Number: Terra Alta South Stg # 7504 (API 47-077-00097) 3) Elevation: 2,206.93 feet
- 4) Well type : (a) Oil / or Gas X /
 (b) If Gas : Production / Underground Storage X /
 Deep X / Shallow /
- 5) Proposed Target Formation (s) : Chert & Oriskany
- 6) Proposed Total Depth : 5,694 feet
- 7) Approximate fresh water strata depths : none recorded
- 8) Approximate salt water strata depths : none recorded
- 9) Approximate coal seam depths : none recorded
- 10) Does land contain coal seams tributary to active mine ? Yes / No X /


 Environmental Protection
 DIVISION OF
 OIL AND GAS
 JAN 31 1998
 Permitting
 Office of Oil & Gas

11) Proposed Well Work : Columbia proposes to kill the well with a freshwater polymer based mud system. Remove the tubing and reconfigure the wellhead. The well will be cleaned out to TD and logged with cased and open hole logs. A 3-1/2" liner [to surf.] will be installed. The liner will be cemented in place. The liner will be perforated and acidized across the Oriskany section as determined by the well logs. The well will then be cleaned up, flow tested and placed back in service.

12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS		Weight per ft.	FOOTAGE INTERVALS		CEMENT
	Size	Grade		For drilling	Left in well	
conductor	11-3/4"	H-40	47#	62'	62'	Cmtd w/ 17 sks
Fresh Water	8-5/8"	H-40	24#	532'	532'	Cmt w/ 140sks Reg
Coal						
Intermediate						
Production	5-1/2"	J-55	15.5#	5,405'	5,405'	75 sks cmt
Tubing	2-3/8"	J-55	4.6#	5,678'	5,678'	
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

- Fee (s) paid : Well Work Permit Reclamation Fund WPCP
 Plat WW - 9 WW - 2B Bond _____ Agent

(Type)

24843

0625-1551
4

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT**

- 4) Surface Owner(s) to be served:
- (a) Name Margaux Bowman Name _____
 Address 116 Beverly Street Address _____
Kingwood, West Virginia 26537
- (b) Name Meaghan Bowman (b) Coal Owner (s) with Declaration
 Address 116 Beverly Street Name Margaux Bowman
Kingwood, West Virginia 26537 Address 116 Beverly Street
 (c) Name _____ Kingwood, West Virginia 26537
 Address _____ Name Meaghan Bowman
 _____ Address 116 Beverly Street
 _____ Kingwood, West Virginia
- 6) Inspector Philip Tracy (c) Coal Lessee with Declaration
 Address Route 2 Box 37-A Name _____
Montrose, West Virginia 26283 Address _____
 Telephone (304) _____

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT

_____ Included is the lease or leases or other continuing contract by which I hold the right to extract oil and or gas OR

X Included is the information required by Chapter 22, Article 6, Section 8 (d) of the Code of West Virginia (see Page 2)

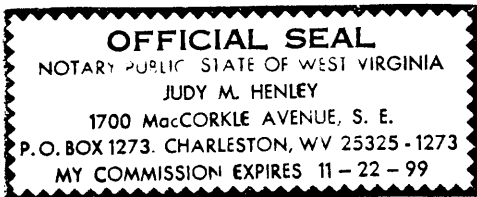
I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat and accompanying documents pages 1 through _____ on the above named parties by:

- _____ Personal Service (Affidavit attached)
X Certified Mail (Postmarked postal receipt attached)
 _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18 and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Well Operator Columbia Gas Transmission Corporation
 By: Richard L. Colby
 Its: Manager - Well Services
 Address P.O. Box 1273
Charleston, WV 25325-1273
 Telephone (304) 357-3034

Subscribed and sworn before me this 14th day of November, 19 97
Judy M. Henley Notary Public

My commission expires Nov. 22, 1999