

9700'

LATITUDE 39°22'30"

Janice
9/16/94

Reginald Messenger et al

3/4 INTEREST DB 547 PG 142

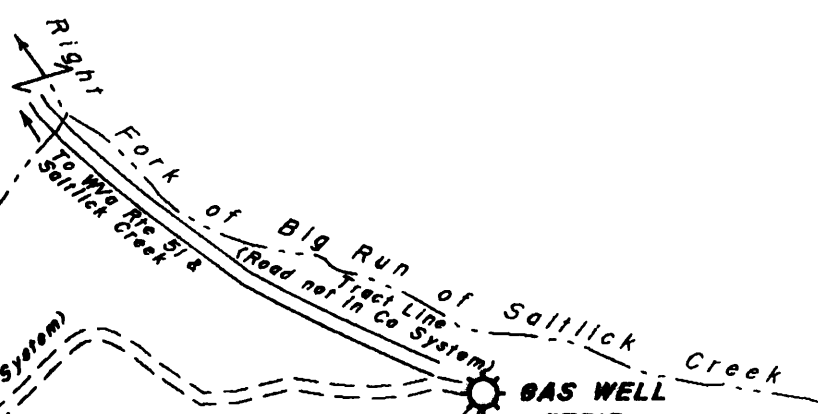
TM 9 PARC 04 852 AC

And

Messenger Limited Partnership

1/4 INTEREST

DB 280 PG 156



Reginald R. Messinger et al

3/4 Interest

Reginald R. Messinger D/B/A

1/4 Interest

Messenger Partnership

DB 551 PG 839
DB 547 PG 142
TM 14 PARC 03

135 ACRES

GAS WELL #7513
(47-077-00105)

GAS WELL #7524
(47-077-00151)

Large Red Oak Stump, Lynn and 3 Maple Pointers

Hickory on Hillside
Small Maple Pointer

Large Hickory (Down)
3 Maple and Ironwood Pointer

W.O. Stump, 2 Small Maples and Chestnut Oak Pointers

Stone Pile Maple, Beech and Red Oak Witness on Allside

GAS WELL #7532
(47-077-00163)

Clarence Knotts Jr

WB 31 PG 437
TM 14 PARC 16

76.44 AC

NOTES: Gen-Aux-Activ-Tr Chrt
CHARGE: 186-02052-W2582-2801
FB#1954 PG#2,4,26, & 43
REF: FB#1950 PG#70
FARM MAP SQ# 170-127, X-76 STORAGE
INV MAP #4356/616

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1/200'
PROVEN SOURCE OF ELEVATION *Saltlick In Power Pole*
Marked M.P. 17-881 Opposite

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) *Charles Douglas Davidson*
R.P.E. _____ J.L.S. 819



Side of Road From Gas Well # (47-077-00104) Elev. 2535.00'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE July 21, 1994
OPERATOR'S WELL NO. 7513
API WELL NO. _____

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

LOCATION: ELEVATION 1880.83 WATER SHED Right Fork of Big Run of Saltlick Creek of Cheat River
DISTRICT Union COUNTY Preston

QUADRANGLE Aurora, WV hmg wood C COORDINATES LAT: 39°20'59" LONG: 79°37'03"

SURFACE OWNER Reginald Messenger et al ACREAGE 135 Acres
OIL & GAS ROYALTY OWNER Messenger Partnership (Formerly) LEASE ACREAGE 1404.5 Acres
Terra Alta Land Company LEASE NO. 1090572

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Drill Out Cast Iron Bridge Plug

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION Chickany ESTIMATED DEPTH 5764'
WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT R.L. Cotter
ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

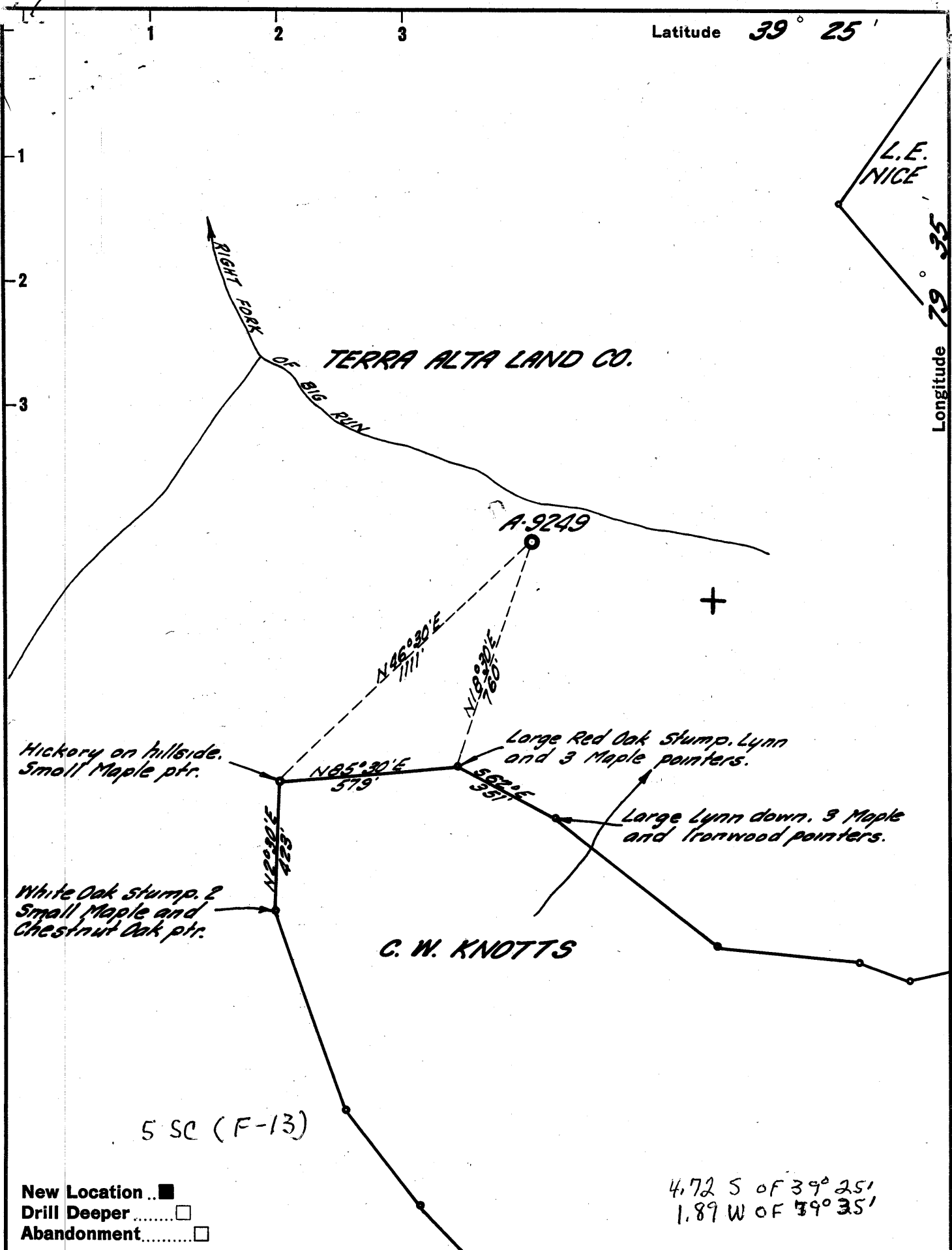
FORM 605-5

COUNTY NAME PERMIT

SEP 24 1994

Latitude 39° 25'

Longitude 79° 35'



Company ATLANTIC SEABOARD CORP.
 Address CHARLESTON, W. VA.
 Farm TERRA ALTA LAND CO.
 Tract _____ Acres 15.55 Lease No. AS-572
 Well (Farm) No. _____ Serial No. A-9249
 Elevation (Spirit Level) 1860.23'
 Quadrangle KINGWOOD - C
 County PRESTON District UNION
 Engineer Seybert R. Ferrell
 Engineer's Registration No. 2529
 File No. 170-127 Drawing No. _____
 Date 11-5-62 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. PRES-105

+ 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.

K-E 150 IMPERIAL TRACING CLOTH T.M.

60046

Bagged samples only

4600-5539' (T.D.)

2540'

4 Samples received

Deep Well 6-6-21

WR-3
RECEIVED
WV Division of
Environmental Protection

23-Sep-94
API # 47- 77-00105 W

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

JUL 03 1995

Well Operator's Report of Well Work

Permitting
Office of Oil & Gas

Farm name: MESSINGER PARTNERSHIP Operator Well No.: 7513

LOCATION: Elevation: 1,860.23 Quadrangle: AURORA
District: UNION County: PRESTON
Latitude: 9175 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 9700 Feet West of 79 Deg. 35 Min. 0 Sec.

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

Agent: RICHARD L. COTY

Inspector: PHILLIP TRACY
Permit Issued: 09/19/94
Well work Commenced: 10-25-94
Well work Completed: 10-27-94
Verbal Plugging
Permission granted on:
Rotary Cable Rig Logging truck
Total Depth (feet) 5464'
Fresh water depths (ft) Estimated 200'
Salt water depths (ft) unknown
Is coal being mined in area (Y/N)? N
Coal Depths (ft): NONE

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
SAME AS PREVIOUSLY SUBMITTED			

OPEN FLOW DATA

Combined
Chert and
Oriskany
Flow

Producing formation Chert (Huntersville) Pay zone depth (ft) 5169-5180
Gas: Initial open flow 7200 MCF/d Oil: Initial open flow Bbl/d
Final open flow 7200 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests 255 days ~~Hours~~
Static rock Pressure 2046 psig (surface pressure) after 24 Hours
Second producing formation Oriskany Pay zone depth (ft) 5303 top
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 255 days ~~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: Richard L. Coty
Date: 6/9/95

JUL 10 1995

Original total depth was 5464 feet with old cast iron bridge plug on bottom. Plug had come up hole to 5302 feet. Planned to drill out cast iron bridge plug and return well to original total depth of 5464 feet.

Plan was aborted. Well record and geologic record remain as originally submitted except for re-perforation of originally perforated zone in Chert:

Original Chert perforations from 5181'-5189' with 4 shots per foot.

Re-perforated from 5169'-5189' with 6 shots per foot on 10-26-94.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 13

Quadrangle Kingwood

Permit No. Pres-105

WELL RECORD

Oil or Gas Well Gas

(KIND)

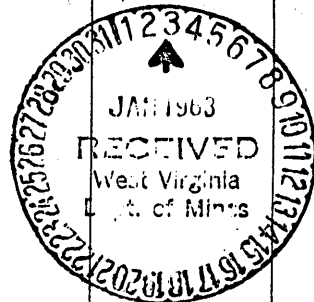
Company Atlantic Seaboard Corporation
 Address P. O. Box 1273, Charleston, W. Va.
 Farm Terra Alta Land Co. Acres 1555
 Location (waters) Big run of Salt Lick Creek
 Well No. A-9249 Elev 1860.23'
 District Union County Preston
 The surface of tract is owned in fee by Terra Alta
Land Company Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced November 25, 1962
 Drilling completed December 6, 1962
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume See reverse _____ Cu. Ft.
 Rock Pressure See reverse lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED See reverse
 WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13			
10 11-3/4"	97'	97'	Size of _____
8 8-5/8"	980'	980'	Depth set _____
6 6%			
5 3/16			
4 4-1/2"	5497'	5497'	Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

RESULT AFTER TREATMENT 1,641,000 cu ft gas
 ROCK PRESSURE AFTER TREATMENT _____
 Fresh Water See below Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Siltstone & Shale			0	4693'			
Tully			4693'	4724'			
Siltstone & Shale			4724'	5140'			
Onondaga Lime			5140'	5155'			
Chert			5155'	5284'	Gas 5187'		671,000 cu ft
Shale			5284'	5293'			
Oriskany			5293'	5419'	Gas 5306'		685,000 cu ft
Helderberg			5419'	--			
Total depth				5539			
			5140	5293			
			1860	1860			
			3280	3433			
				5419			
				1860			
				3559			



Formation	Color	Hard or Soft	Top 13	Bottom	Oil, Gas or Water	Depth Found	Remarks
<u>Logging:</u>							
Gamma Ray: 5538' to surface 12-7,8-62							
Temperature Log: 5542' to 4600' 12-8-62							
Formation Density Log: 5538' to 4960' 12-7,8-62							
Gamma Ray - correlation: 5400' to 4900' 12-11-62							
<u>Casing & Cement:</u>							
11-3/4", 47#/ft., J-55 casing - 95.5' set at 105.5' (KB). Cemented to surface with 31 sacks neat cement 11-26-62							
8-5/8", 24#/ft., J-55 casing - 966.57' set at 979.57' (KB). Cemented with 190 sacks 4% gel cement (14.5#/gal) 11-29-62							
4-1/2", 11.6#/ft., J-55 casing - 5500.55' set at 5464.05'. Cemented with 102 sacks (840 gal cement) latex cement through productive zones. Gel drilling mud to surface.							
<u>Perforations:</u>							
Oriskany: 4 holes/ft. 5,303'-5,307', 5,376'-5384' 12-11-62							
Chert: 4 holes/ft. 5,181'-5,189' 12-15-62							
<u>Stimulation:</u>							
<u>Oriskany</u> 250 gallons 15% super mud acid - 12-12-62							
8000 gallons 15% HCl Acid (Dowell XF) - 12-12-62							
Average injection rate: 12 bbl./min.							
Maximum pressure: 2,000 psi							
Average pressure: 1,500 psi							
Shut in pressure: Immediate - 1300 psi, 5 minutes - 900 psi							
<u>Chert</u> 250 gallons 15% super mud acid - 12-16-62							
8000 gallons 15% HCl Acid (Dowell XF) with nitrogen - 12-17-62							
Maximum pressure: 3,000 psi							
Average pressure: 2,500 psi							
Production natural before running & cementing casing - 11/10 M-3" = 1,161,000 cu ft							
Production following stimulation - 22/10 M-3" = 1,641,000 cu. ft.							
Final Rock pressure: 24 hours - 1,225 psi							

Date Dec 28, 1962

APPROVED Atlantic Seaboard Corp., Owner

By *[Signature]* Supt.
(Title)

FORM WW-2B

AUG 22 1994

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

Issued 9/19/94

Permitting WELL WORK PERMIT APPLICATION

Expires 9/19/96

Office of Oil & Gas

Well Operator: Columbia Gas Transmission Corporation 10450 ⑦ 227

19671

Operator's Well Number: 7513 3) Elevation: 1,860'

Well type: (a) Oil___/ or Gas_X/

(b) If Gas: Production___/ Underground Storage_X/
Deep___/ Shallow___/

Proposed Target Formation(s): Oriskany Sandstone 475

- 6) Proposed Total Depth: 5,464 feet
- 7) Approximate fresh water strata depths: Estimated 200'
- 8) Approximate salt water depths: _____
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes___/ No_X/
- 11) Proposed Well Work: Drill out old cast iron birdge plug at 5,302' to return well to original total depth of 5,464 feet. Plug was originally at 5,464' and has come up hole.
- 12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4	J-55	47#		97'	31 sacks
Fresh Water	8 5/8	J-55	24#		980'	190 sacks
Coal						
Intermediate						
Production	4 1/2	J-55	11.6#		5,464'	102 sacks Top at 4,940 feet.
Tubing						
Liners						

PACKERS : Kind None
Sizes _____
Depths set _____

For Office of Oil and Gas Use Only

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

0402294
28

Explosives Well Records

RECEIVED
WV Division of
Environmental Protection

AUG 22 1994

1) Date: 8-15-94
2) Operator's well number 7513
3) API Well No: 47 - 077 - 00105 - W
State - County - Permit

Permitting
Office of Oil & Gas
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

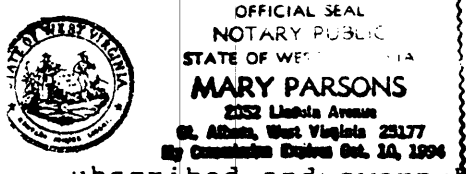
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Messinger Partnership
Address 501 Dennett Road
Oakland, MD 21550
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name _____
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Phillip Tracy
Address Route 2, Box 37-A
Montrose, WV 26283
Telephone (304)- 636-8798

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)
 I certify that as required under Chapter 22B 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)
 Certified Mail (Postmarked postal receipt attached)
 Publication (Notice of Publication attached)

I have read and understand Chapter 22B 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, I believe that 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. Coby
 Its: Manager - Well Services
 Address P. O. Box 1273
Charleston, WV 25325-1273
 Telephone (304) 357-3034

Subscribed and sworn to before me this 15th day of August, 1994
Mary Parsons Notary Public
 My commission expires October 10, 1994