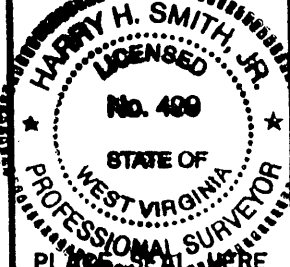


Notes  
 This Map is For  
 Well Location Only &  
 Does Not Represent  
 A Complete Property Survey.  
 Location Determined By  
 Differential GPS

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. 7528  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF  
 ACCURACY 1/200'  
 PROVEN SOURCE OF  
 ELEVATION Existing Wells  
Concrete Pads

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 REGU-  
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
 MENT OF ENERGY.  
 (SIGNED) Harry H. Smith, Jr.  
 R.P.E. \_\_\_\_\_ L.L.S. 499



DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL & GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506

DATE September 26, 1997  
 OPERATOR'S WELL NO. 7528  
 API WELL NO. 47 077 00158

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 2542.18' WATER SHED Kinsinger Run Of Salt Lick Creek  
 DISTRICT Union COUNTY Preston  
 QUADRANGLE Aurora COORDINATES LAT: 39°21'46" LONG: 79°36'45"

SURFACE OWNER William L. Nice, Et Al. ACREAGE 103.74  
 OIL & GAS ROYALTY OWNER William D. Willes LEASE ACREAGE 109  
 COAL OWNER William L. Nice, Et Al. LEASE NO. 1090520

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

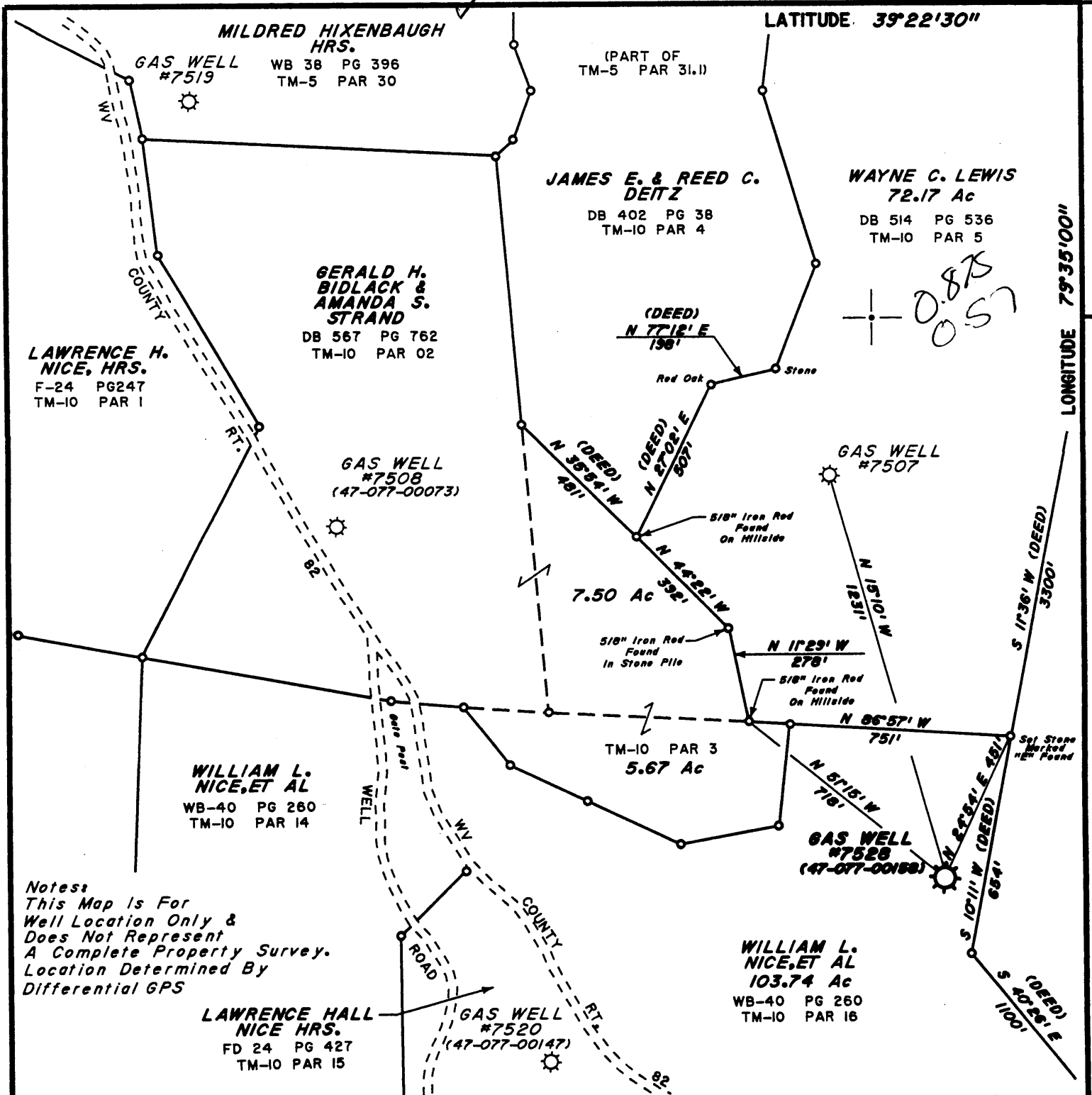
TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L COTY  
 ADDRESS PO Box 1273, Charleston, WV ADDRESS PO BOX 1273, CHARLESTON, WV  
25325-1273 25325-1273

FORM WV-6

COUNTY NAME  
PRESTON

PERMIT  
128

SEP 01 2000

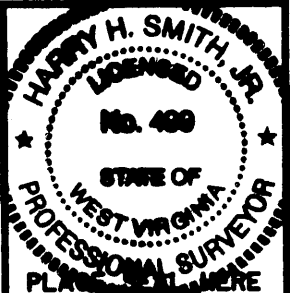


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 PROVEN SOURCE OF  
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 (SIGNED) Harry H. Smith, Jr.  
 R.P.E. \_\_\_\_\_ L.L.S. 499



DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL & GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506



DATE September 26, 19 97  
 OPERATOR'S WELL NO. 7528  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS," PRODUCTION \_\_\_\_\_ STORAGE X DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_)  
 STATE 47 COUNTY 077 PERMIT 00158-4

LOCATION: ELEVATION 2542.18' WATER SHED Kinsinger Run Of Salt Lick Creek  
 DISTRICT Union COUNTY Preston

QUADRANGLE Aurora COORDINATES LAT: 39°21'46" LONG: 79°36'45"  
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 FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Storage Recondition

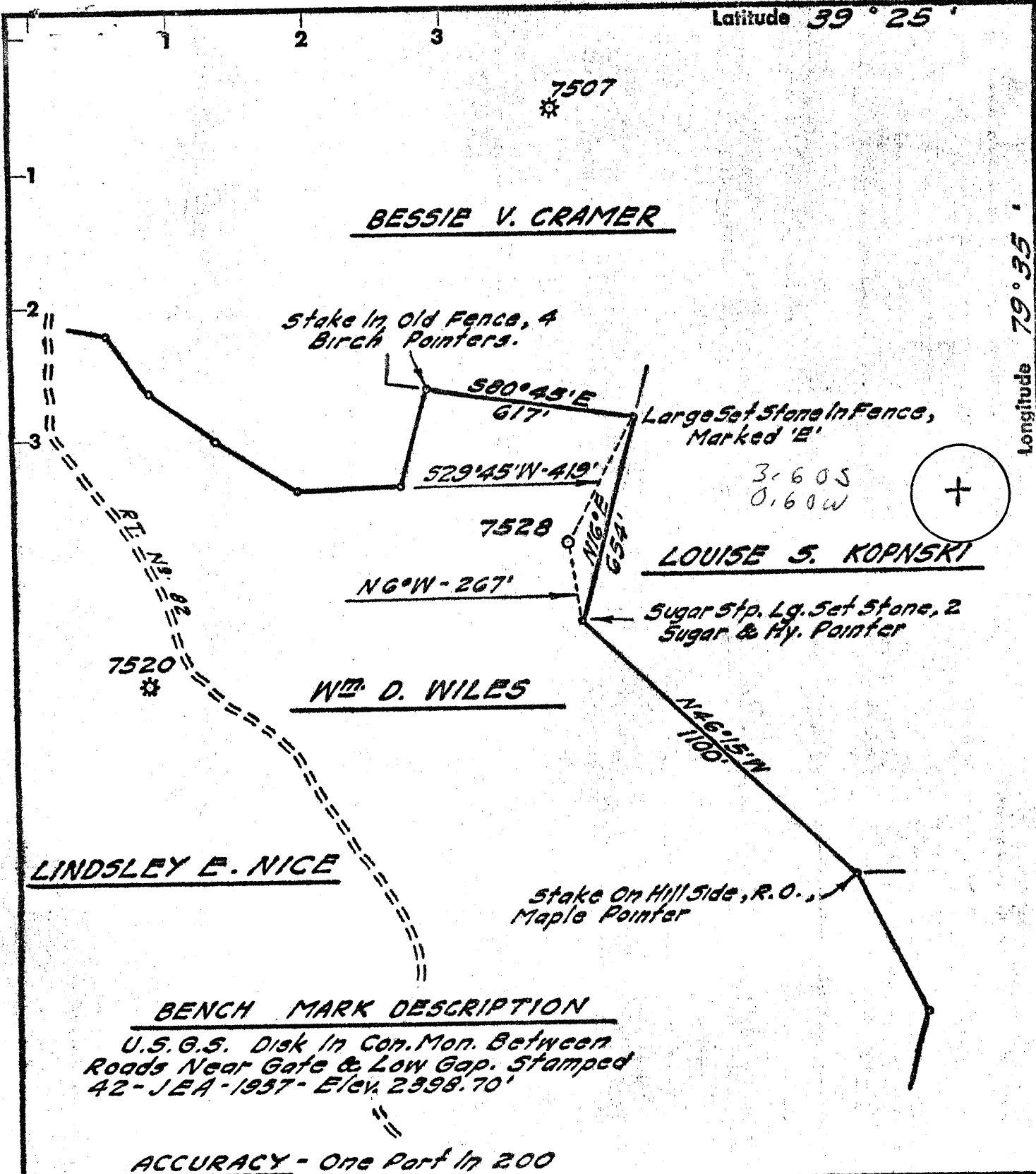
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L COTY  
 ADDRESS PO Box 1273, Charleston, WV ADDRESS PO BOX 1273, CHARLESTON, WV  
25325-1273 25325-1273

MAR 06 1998

FORM 9-A (REV. 8-82)

PRESTON COUNTY NAME PERMIT 158

1013



**BENCH MARK DESCRIPTION**  
 U.S.G.S. Disk in Con. Mon. Between  
 Roads Near Gate & Low Gap. Stamped  
 42-JEA-1957-Elev. 2398.70'

**ACCURACY - One Part in 200**

Fracture	
Before 6/5/29	<input type="checkbox"/>
New Location	<input checked="" type="checkbox"/>
Drill Deeper	<input type="checkbox"/>
Redrill	<input type="checkbox"/>
Abandonment	<input type="checkbox"/>

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.  
 The accuracy of this survey is within the limits and as prescribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

Company ATLANTIC SEABOARD CORP.  
 Address CHARLESTON, W. VA.  
 Farm WILLIAM D. WILES  
 Tract \_\_\_\_\_ Acres 109 Lease No. A5-520  
 Well (Farm) No. \_\_\_\_\_ Serial No. 7528  
 Elevation (Spirit Level) 2542.18'  
 Quadrangle KINGWOOD C  
 County PRESTON District UNION  
 Engineer Adrian S. Erdman  
 Engineer's Registration No. 2530  
 File No. 172-129 Drawing No. \_\_\_\_\_  
 Date MAR. 17, '71 Scale 1" = 400'

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

**WELL LOCATION MAP**  
 FILE NO. PRES-158

+ 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.



RECEIVED

JAN 26 1972

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

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Kingwood

Permit No. Pres. 158

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company Columbia Gas Transmission Corporation  
 Address P. O. Box 1067, Elkins, W. Va.  
 Farm William D. Wiles Acres 109  
 Location (waters) Kinsinger Run  
 Well No. X-76-S W. 7528 Elev. 2542  
 District Union County Preston  
 The surface of tract is owned in fee by \_\_\_\_\_  
 Address \_\_\_\_\_  
 Mineral rights are owned by \_\_\_\_\_  
 Address \_\_\_\_\_  
 Drilling commenced June 28, 1971  
 Drilling completed July 14, 1971  
 Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 With \_\_\_\_\_  
 Open Flow 74 /10ths Water in \_\_\_\_\_ Inch  
2 /10ths Merc. in \_\_\_\_\_ Inch  
 Volume 1.3 M Cu. Ft.  
 Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 WELL ACIDIZED (DETAILS) (See Reverse Side)  
 WELL FRACTURED (DETAILS)

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size	Ground Level		Kind of Packer
16			
13 3/8"	28'	28'	
10			Size of
1 7/8" 9 5/8"	2287'	2287'	
7"	5769'	5769'	Depth set
5 3/16			
4 1/2			
3			Perf. top (See
2 3/8"	6096'	6096'	Perf. bottom Revers
Liners Used			Perf. top Side)
			Perf. bottom

Attach copy of cementing record.  
 CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Dat \_\_\_\_\_  
 Amount of cement used (bags) See Reverse Side  
 Name of Service Co. Halliburton and Dowell  
 COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES \_\_\_\_\_  
 FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_  
 FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 8,250 Mcf  
 ROCK PRESSURE AFTER TREATMENT 2270# HOURS 2  
 Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
 Producing Sand Chert and ORiskany Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale and Siltstone			0	5148	Measured	from KB	
✓ Tully Lime			5148	5182			
Shale			5182	5752			
✓ Onondaga Lime			5752	5775			
✓ Chert - <u>Huntsville</u>			5775	5926	Gas		
✓ Shale - <u>NEEDMORE</u>			5926	5938			
✓ Oriskany Sand			5938	6074	Gas		
✓ Helderberg			6074				
Total Depth				6107			
				<u>485</u>	5752	5938	6074
					2542	2542	2542
					3210	3396	3532

FEB 7 1972

Formation	Color	Hard or Soft	Top 9	Bottom	Oil, Gas or Water	Depth Found	Remarks
<b>NOTE:</b>							
13 3/8"	48#/ft.,	H-40,	casing cemented to surface with 18 sacks of neat cement plus 2% CaCl.	June 28, 1971.	28' ground level,	45' kelly bushing.	
9 5/8"	36#/ft.,	K-55,	casing cemented to surface with 660 sacks Gilsonite plus 2% CaCl.	July 3, 1971.	Casing set at 2287' ground level,	2304' kelly bushing.	Threads off 2284', threads on 2300'.
7"	23#/ft.,	K-55,	Seal-lok casing cemented in 1000' with 220 cu. ft. of Dowells RFC cement plus kolite, July 10, 1971.	Gel Drilling mud to surface with 1 drum of Baroid B-33.	Casing set 5' in Chert.	Casing set at 5769' ground level,	5786' kelly bushing. Threads off 5805', threads on 5854'.
2 3/8"	4.6#/ft.,	J-55,	Seal-lok tubing run to T.D. (1) Baker Model "J" ported seating nipple, (1) Baker BFC Model "L" sliding sleeve. Sliding sleeve is 431' off bottom.	July 14, 1971.	6096' ground level,	6110' kelly bushing,	threads off 6091', threads on 6130'. (1) Baker expendable plug.
<b>Perforations:</b>							
Chert and Oriskany open hole.							
<b>Logging:</b>							
Gamma Ray - Collar log. (5050' - 6106') July 13, 1971. Basin Surveys, Inc.							
<b>Stimulation:</b>							
Chert and Oriskany - Open Hole							
<u>July 21, 1971</u>							
Pumped 25 barrels water plus 5 gal. soap in hole and washed out. Added an additional 50 barrels water pressured up on same to 1980# then unloaded. No results.							
<u>July 22, 1971</u>							
Pumped 100 barrels water in well and pressured up on same to 2000#, unloaded after 2 hrs. No results.							
<u>July 27, 1971</u>							
Dowell pumped 250 barrels water in well pressured up on same to 2000# and shut in. Unloaded following day, brought back salt water 8.7#/gal.							
<u>August 5, 1971</u>							
Dowell pumped 2000 gals. 15% HCL acid plus 350 barrels of water, pressured up on same to 2100# and shut in. Well left open for 3 days - "96/10" Mercury 2".							
<u>September 27, 1971</u>							
Halliburton treated well using 5000 gals. 20% HCL acid followed with 800 barrels water. 38 BPM, 3200#, plus N <sub>2</sub> .							
Final open flow rock pressure 2270# 8.250 M dry.							

Date January 20, 19 72

APPROVED Columbia Gas Transmission Corporation Owner

By [Signature]  
(Title)  
Production and Storage Superintendent

07

William L. Nice -----1/3 Int. Fee less 1/2 coal, oil, gas  
2318 Glenside Ave.  
Norwood, Ohio 45212

Lindsey W. Nice -----1/3 Int. Fee less 1/2 coal, oil, gas  
2429 Park Ave.  
Norwood, Ohio 45212

James Michael Nice -----1/3 Int. Fee less 1/2 coal, oil, gas  
2429 Park Ave.  
Norwood, Ohio 45212

~~Thelma Nice -----Life Estate  
P.O. Box 115  
Aurora, W.Va. 26705~~

William D. Wiles -----1/2 Int. coal, oil, gas and minerals  
1136 Barone Drive  
Weirton, W.Va. 26062

FEB 1 1982  
Permitting  
Office of Oil & Gas

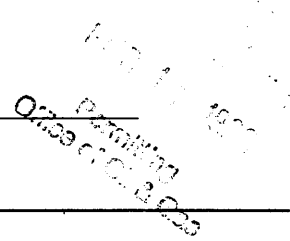
**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

077 358 Frac.  
 10430  
 327  
 (7) ~~344~~

24912

- 1) Well Operator: COLUMBIA GAS TRANSMISSION CORPORATION
- 2) Operator's Well Number: Terra Alta South Stg # 7528 (API 47-077-00158) 3) Elevation: 2,542 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 : 6,107 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 /
- 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 4-1/2" 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.

*ed need 03/05/1998*  
*Expires 03/05/2000*



12) **CASING AND TUBING PROGRAM**

*Expanding well*

TYPE	SPECIFICATIONS		Weight per ft.	FOOTAGE INTERVALS		CEMENT
	Size	Grade		For drilling	Left in well	
conductor	11-3/4"	H-40	47#	28'	28'	Cmtd w/ 18 sks
Fresh Water	9-5/8"	K-55	36#	2,287'	2,287'	Cmt w/ 660sks Reg
Coal						
Intermediate						
Production	7"	K-55	23#	5,769'	5,769'	220cu ft cmt
Tubing	2-3/8"	J-55	4.6#	6,096'	6,096'	
Liners						

**PACKERS** : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

*00258832*

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)

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 William L. Nice Name \_\_\_\_\_  
Address 2318 Glenside Avenue Address \_\_\_\_\_  
Norwood, Ohio 45212
- (b) Name Lindsey W. Nice (b) Coal Owner (s) with Declaration  
Address 2429 Park Avenue Name See Attached Page  
Norwood, Ohio 45212 Address \_\_\_\_\_
- (c) Name James Michael Nice  
Address 2429 Park Avenue Name \_\_\_\_\_  
Norwood, Ohio 45212 Address \_\_\_\_\_
- 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)

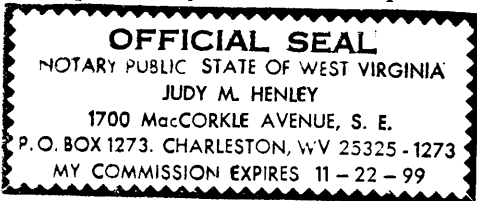
I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties by:

- \_\_\_\_\_ 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 Columbis 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