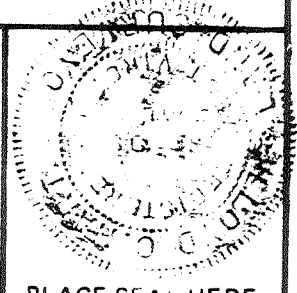


FILE NO. J2950E  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION ROAD JUNCTION RT. 46/4 ELEV. 2664'

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 MINES.  
 (SIGNED) Lloyd P. Crut  
 R.P.E. \_\_\_\_\_ L.L.S. 99



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)  
 LAT: 39° 25' 13"  
 LONG: 79° 03' 10"



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

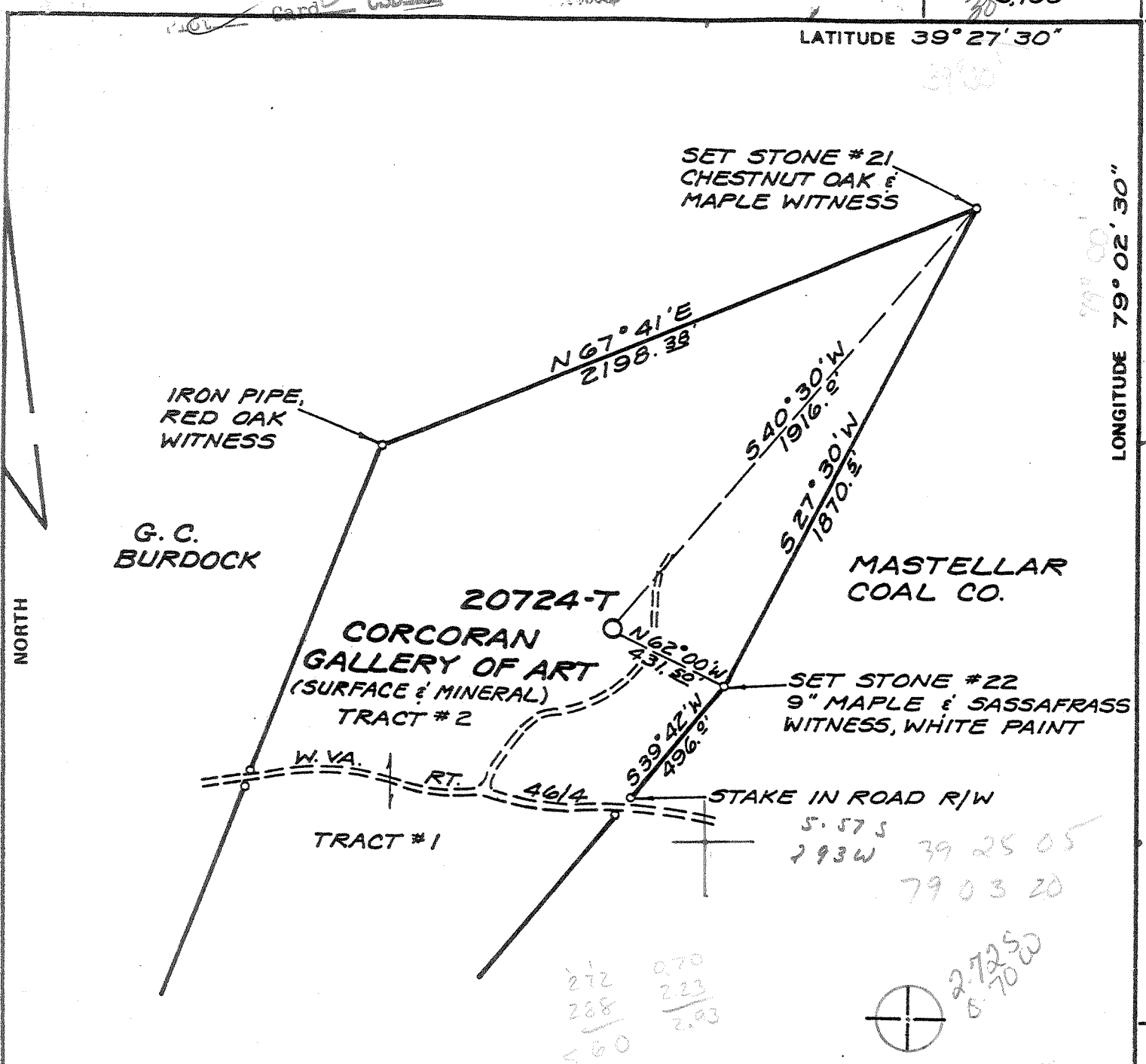
DATE FEBRUARY 3, 1981  
 OPERATOR'S WELL NO. 20724-T  
 API WELL NO. 47-057-0062-P  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP X SHALLOW \_\_\_  
 LOCATION: ELEVATION 2733' WATER SHED PINEY SWAMP RUN  
 DISTRICT ELK COUNTY MINERAL  
 QUADRANGLE WESTERNPORT, W.VA.  
 SURFACE OWNER CORCORAN GALLERY OF ART ACREAGE 100  
 OIL & GAS ROYALTY OWNER CORCORAN GALLERY OF ART LEASE ACREAGE 100  
 LEASE NO. 41913  
 PROPOSED WORK: DRILL X 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 ORISKANY ESTIMATED DEPTH 9750'  
 WELL OPERATOR COL. GAS TRANS. CORP. DESIGNATED AGENT J.R. HENNING  
 ADDRESS P.O. BOX 1273 ADDRESS BOX 1273  
CHARLESTON, W.VA. 25325 CHARLESTON, W.VA. 25325

OCT 29 1981

Deep Well



FILE NO. J2950E  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION ROAD JUNCTION RT. 46/4 ELEV. 2664'

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 MINES.  
 (SIGNED) Lloyd C. Hart  
 R.P.E. \_\_\_\_\_ L.L.S. 99

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)  
 LAT: 39° 25' 13"  
 LONG: 79° 03' 10"

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

LOCATION: ELEVATION 2733' WATER SHED PINEY SWAMP RUN  
 DISTRICT ELK COUNTY MINERAL  
 QUADRANGLE WESTERNPORT, W. VA. Elk Garden 15' NE

SURFACE OWNER CORCORAN GALLERY OF ART ACREAGE 100  
 OIL & GAS ROYALTY OWNER CORCORAN GALLERY OF ART LEASE ACREAGE 100  
 LEASE NO. 41913

PROPOSED WORK: DRILL X 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 ORISKANY ESTIMATED DEPTH 9750'  
 WELL OPERATOR COL. GAS TRANS. CORP. DESIGNATED AGENT J.R. HENNING  
 ADDRESS P.O. BOX 1273 ADDRESS BOX 1273  
CHARLESTON, W. VA. 25325 CHARLESTON, W. VA. 25325

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE FEBRUARY 3, 1981  
 OPERATOR'S WELL NO. 20724-T  
 API WELL NO. 47 - 057 - 0062  
 STATE COUNTY PERMIT



THIS PERMIT MUST BE POSTED AT THE WELL SITE  
STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
MAY 11 1981

All provisions being in accordance with Chapter 22  
of the W. Va. Code, the location is hereby approved  
for Drilling. This permit is for Oil and Gas  
operations have not commenced by 1-13-82

OIL & GAS DIVISION  
OF MINES

J. P. Anderson  
Deputy Director, Oil & Gas Division

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE May 11, 1981

Surface Owner \*Corcoran Gallery of Art  
Address \_\_\_\_\_  
Mineral Owner Same as above  
Address \_\_\_\_\_  
Coal Owner Same as above  
Address \_\_\_\_\_  
Coal Operator Unoperated  
Address \_\_\_\_\_

Company Columbia Gas Transmission Corp.  
Address P. O. Box 1273, Charleston, WV  
Farm Corcoran Gallery of Art Acres 100  
Location (waters) Piney Swamp Run  
Well No. 20724-T Elevation 2733'  
District Elk County Mineral  
Quadrangle Westernport

\*Corcoran Gallery of Art  
c/o Mr. Nichols Ward Esq.  
Hamilton & Hamilton  
11th Floor  
734-15th Street N. W.  
Washington, DC 20005

INSPECTOR  
TO BE NOTIFIED Robert Stewart  
ADDRESS P. O. Box 345, Jane Lew, W. Va.  
PHONE 884-7782

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated 4-22 19 75 by Linda E. A. Wachmeister made to Columbia Gas Transmission and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_ in Mineral County, Book 197 Page 113  
X NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  
\_\_\_\_\_ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

Very truly yours  
(Sign Name) [Signature] Well Operator  
P. O. Box 1273  
Charleston  
West Virginia 25325

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

47-057-0062 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-5 and will carry out the specified requirements."

Signed by [Signature]  
Director, Exploration & Development

BLANKET BOND

G. S. W.



RECEIVED



IV-35  
(Rev 8-81)

DEC 29 1981

Date December 22, 1981  
Operator's  
Well No. 20724-T  
Farm Corcoran Gallery of Arts  
API No. 47 - Q57 - 62-P

OIL AND GAS DIVISION State of West Virginia  
WV DEPARTMENT OF MINES  
Department of Mines  
Oil and Gas Division

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

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

LOCATION: Elevation: 2760 2670' Watershed Piney Swamp Run  
District: Elk County Mineral Quadrangle

COMPANY Columbia Gas Transmission Corporation

ADDRESS P. O. Box 1273, Chas., WV 25325

DESIGNATED AGENT J. L. Weekley

ADDRESS same as above

SURFACE OWNER Corcoran Gallery of Arts

ADDRESS 734-15th St., N.W. Wash., DC 20005

MINERAL RIGHTS OWNER Corcoran Gallery of Arts

ADDRESS same as above

OIL AND GAS INSPECTOR FOR THIS WORK Bob

Stewart ADDRESS P.O. Box 345, Jane Lew, WV

PERMIT ISSUED May 13, 1981

DRILLING COMMENCED June 18, 1981

DRILLING COMPLETED August 9, 1981

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- Cond.	40	40	36
13-10"	557	557	492
9 5/8	3330	3330	1270
8 5/8			
7			
5 1/2	10170	2070	945
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany SS Depth 9750' feet

Depth of completed well 10,170 feet Rotary X / Cable Tools

Water strata depth: Fresh 740 feet; Salt N/A feet

Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Oriskany SS Pay zone depth 4 feet

Gas: Initial open flow 28 Mcf/d Oil: Initial open flow \_\_\_ Bbl/d

Final open flow 60 Mcf/d Final open flow \_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_ hours

Static rock pressure 200 psig (surface measurement) after 48 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

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

Perforated from 9814-9818 12 shots Omega Jets  
 Acidized w/1550 gals. 15% HCL w/FE additives  
 Fractured w/52,100 gals. "Versagel" frac 84,000# 20/40 mesh sand and  
 9000# 80/100 mesh sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Surface	Brown	Hard	0	990	Fresh water @ 740'
Greenbrier	Ls		990	1354	
Pocono			1354	2022	
Hampshire			2022	4226	
Foreknobs			4226	5618	
Scherr			5618	7498	
Brallier			7498	8260	355 units trip gas @ 6600'
Harrell Sh.			8260	8440	
Tully Ls.			@ 8380'		
Mahantango			8440	9088	
U. Marcellus			9088	9266	
Purcell Ls.			9266	9322	
L. Marcellus			9322	9456	
Tioga Metabent			9420	9456	
Needmore Sh.			9456	9842	
Oriskany SS			9842	10090	
Helderberg			10090	TD 10,170	

9456 9842 10090  
 2760 2760 2760  
 6696 1082 1330

(Attach separate sheets as necessary)

COLUMBIA GAS TRANSMISSION CORPORATION  
 Well Operator  
 By: [Signature] Director, Drilling & Operations  
 Date: December 22, 1981

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."

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Corcoran Gallery of Art  
COAL OPERATOR OR OWNER  
c/o Mr. Nicholas Ward Esq.  
Hamilton & Hamilton 11th Floor  
734-15th St., N.W.  
Washington, DC 20005  
COAL OPERATOR OR OWNER  
Same as above  
ADDRESS  
Same as above  
LEASE OR PROPERTY OWNER  
ADDRESS

Columbia Gas Transmission Corporation  
NAME OF WELL OPERATOR  
P. O. Box 1273, Charleston, W. Va. 25325  
COMPLETE ADDRESS  
December 1, 19 81  
WELL AND LOCATION  
Elk District  
Mineral County  
Well No. 20724-T  
Corcoran Gallery of Art #1 Farm

STATE INSPECTOR SUPERVISING PLUGGING: Bob Stewart

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Mineral } ss:

Robert H. Shrut and Michael J. Akers Jr.

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Columbia Gas Transmission Corp. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 8th day of October, 19 81, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
Pottsville SS Spud		Cmt. Plug 0'-500'	8100'	5-1/2"-2070'
Greenbrier LS 990'-1350'			of 5-1/2"	
Pocono 1350'-2020'	Gel 500'-3300'			
Hampshire 2020'-4230'		Cmt. Plug 3300'		9-5/8"-3329'
Chemung 4230'-7500'		3500'		
Brallier 7500'-8260'				13-3/8"-557'
Harrell 8260'-8440'	Gel 3500'-9480'			
Mahantango 8440'-9090'				20"-39'
Marcellus 9090'-9460'				
Needmore 9460'-9840'		Bridge Plug @		
Oriskany 9840'-10,090'		9500' Model S		
Helderburg 10,090'-TD		3 sx CalSeal on top of plug		
COAL SEAMS	DESCRIPTION OF MONUMENT			
(NAME)	Proper monument erected as			
(NAME)	prescribed by State law			
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 10th day of October, 19 81.

And further deponents saith not.

Sworn to and subscribed before me this 1st day of December, 19 81.

My commission expires:

August 13, 1989

Michael J. Akers Jr.  
Robert H. Shrut  
Larry L. Burdette  
Notary Public.

Permit No. MIN-62-P

47-057-62-P



R-38  
6-Jan-94  
Department of Environmental Protection  
Permitting of Oil & Gas  
FEB 23 94

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: PHOENIX LAND COMPANY Operator Well No.: 6  
 LOCATION: Elevation: 1,403.00 Quadrangle: NAUGATUCK  
 District: KERMIT County: MINGO  
 Latitude: 2850 Feet South of 37 Deg. 52 Min. 30 Sec.  
 Longitude 4700 Feet West of 82 Deg. 17 Min. 30 Sec.  
 Well Type: OIL \_\_\_\_\_ GAS   
 Company: Phoenix Land Coal Operator Same  
PO Box 416 or Owner \_\_\_\_\_  
Inez Ky 41224  
 Agent: Fred M. Bently Coal Operator Same  
 or Owner \_\_\_\_\_  
 Permit Issued: 01/26/94

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Mingo ss:

Joe Lycan and Exploration Services Inc. being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Ofie Helmick Oil and Gas Inspector representing the Director, say that said work was commenced on the 12th day of December, 1993, and that the well was plugged and filled in the following manner:

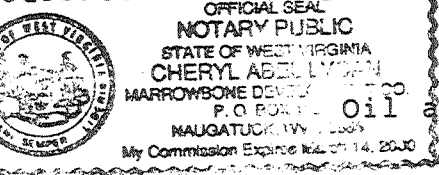
TYPE	FROM	TO	PIPE REMOVED	LEFT
13" CSG	0	20	Previously Pulled	
10" CSG	0	478	Previously Pulled	
8 1/2" CSG	0	1588	Previously Pulled	
6 5/8" stuck 150' in hole	0	2059	Attempted Filled to 80000# could not pull	2059
Cement plug	2532	2432		
<del>Cement plug</del>	2125	2025		
<del>Cement plug</del>	1300	1100		
<del>Cement plug</del>	400	300		
<del>Cement plug</del>	150	surface		

note: hole was collapsed at 2532, parts were @ 332-335 and 128-125

Description of monument: 6 5/8" CASING 3' AS PER INSTRUCTIONS  
and that the work of plugging and filling said well was completed on the 17th day of Dec, 1993.

And further deponents saith not.

Sworn and subscribe before me this 17th day of February, 1994  
My commission expires 3-14-2000



Joe M Lycan  
Pres. Exploration Services Inc  
Cheryl Abel Lycan  
Notary Public  
Ofie Helmick 2-15-94  
Oil and Gas Inspector: