

FILE NO. BK 70 P 70
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1-200
 PROVEN SOURCE OF ELEVATION USGS B.M. RV117
Monel rivet in top bridge
About El 600.33

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) C. S. Volley Jr.
 R.P.E. _____ D.S. 92

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE AUGUST 24, 1982
 OPERATOR'S WELL NO. 2-5-285
 API WELL NO. _____
47 - 099 - 1791P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

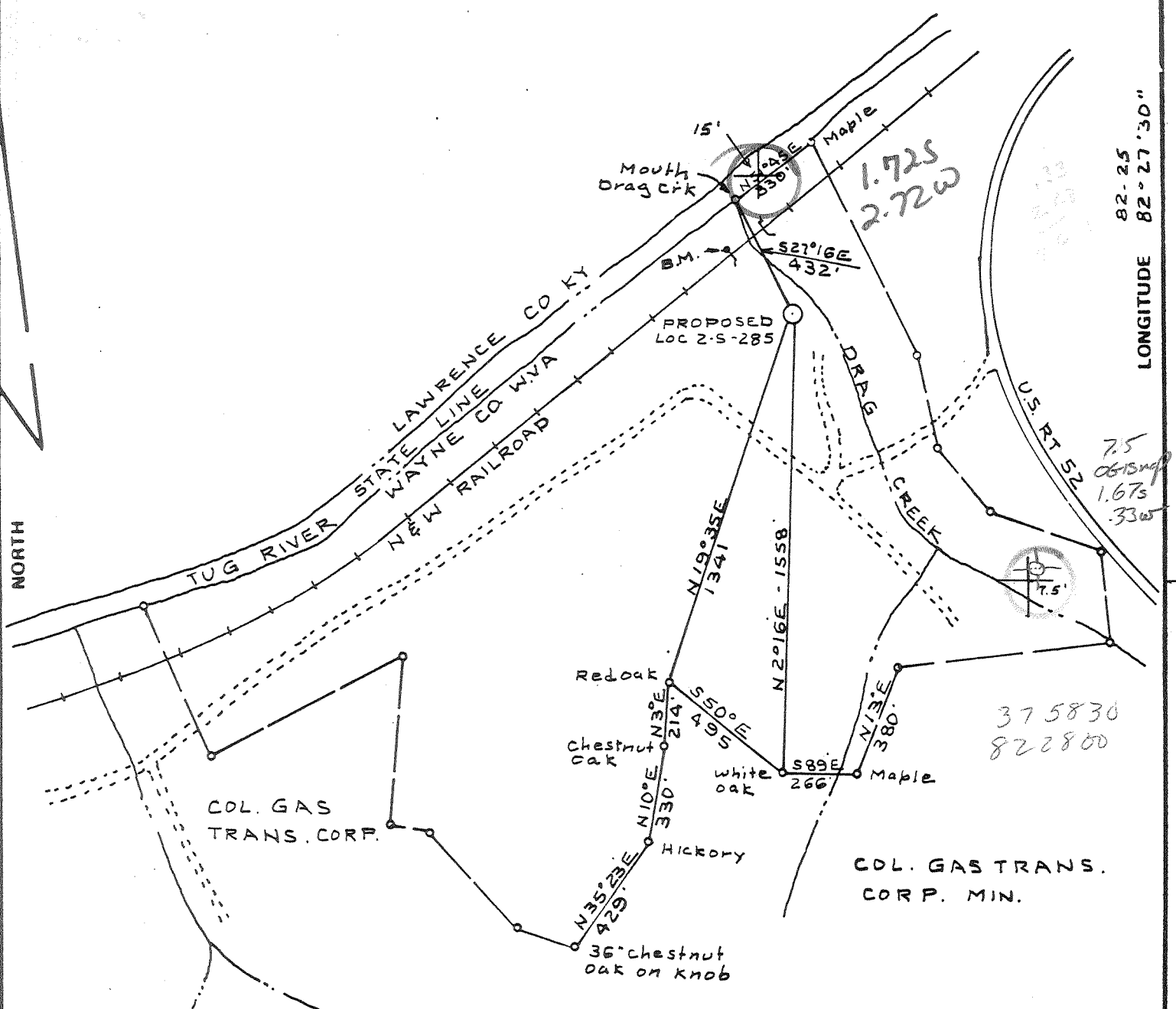
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 574.61 WATER SHED DRAG CREEK
 DISTRICT LINCOLN COUNTY WAYNE
 QUADRANGLE WEBB WVA-KY 7.5

SURFACE OWNER FAYE COPLEY SIMMONS ACREAGE 30
 OIL & GAS ROYALTY OWNER COLUMBIA GAS TRANS. CORP. DEED ACREAGE 4873.95
 DEED NO. 35723

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 BROWN SHALE ESTIMATED DEPTH 2600'
 WELL OPERATOR PENN VIRGINIA OIL & GAS SIGNED AGENT ___
 ADDRESS P.O. POST OFFICE BOX 387 ADDRESS ___
CHA DUFFIELD, VA 24244 _____

WAYNE 1791P



LONGITUDE 82°27'30"

9000'

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 (8-78)



DATE AUGUST 24, 1982
 OPERATOR'S WELL NO. 2-S-285
 API WELL NO. _____
47 - 099 - 1791
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 574.61 WATERSHED DRAG CREEK
 DISTRICT LINCOLN COUNTY WAYNE
 QUADRANGLE WEBB WVA-KY 7.5 Nausajuck 15' NW
 SURFACE OWNER FAYE COPLEY SIMMONS ACREAGE 30
 OIL & GAS ROYALTY OWNER COLUMBIA GAS TRANS. CORP. DEEDACREAGE 4073.95
 DEED NO. 35723
 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 BROWN SHALE ESTIMATED DEPTH 2600'
 WELL OPERATOR SPARTAN GAS CO DESIGNATED AGENT W.T. ZIEBOLD
 ADDRESS P.O. BOX 766 ADDRESS P.O. BOX 766
CHARLESTON WVA 25323 CHARLESTON WVA 25323

SEP 20 1982

RECEIVED



IV-35 (Rev 8-81)

OCT 8 - 1982 OIL AND GAS DIVISION WV DEPARTMENT OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date October 4, 1982 Operator's Well No. 2-S-285 Farm Faye C. Sammons API No. 47 - 099 - 1791

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 X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 574.61 Watershed Drag Creek District: Lincoln County Wayne Quadrangle Webb 7.5'

COMPANY SPARTAN GAS COMPANY ADDRESS P. O Box 766 Charleston, W. Va. 25323 DESIGNATED AGENT W.T. Ziebold ADDRESS P.O.Box 766 Charleston, W. Va. 25323 SURFACE OWNER Faye C. Sammons ADDRESS Columbus, Ohio 43224 MINERAL RIGHTS OWNER Columbia Gas Trans. Corp. ADDRESS P.O. Box 1273 Charleston, W. Va. 25325 OIL AND GAS INSPECTOR FOR THIS WORK Kenneth Butcher ADDRESS Barboursville, W. Va. PERMIT ISSUED September 13, 1982 DRILLING COMMENCED September 20, 1982 DRILLING COMPLETED September 25, 1982 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2,600 feet Depth of completed well 2,151 feet Rotary X / Cable Tools Water strata depth: Fresh NA feet; Salt 540 feet Coal seam depths: Is coal being mined in the area? No

OPEN FLOW DATA Producing formation Devonian Shale Pay zone depth 1680-2,649 feet Gas: Initial open flow Show Mcf/d Oil: Initial open flow Bbl/d Final open flow Est. 52 Mcf/d Oil: Final open flow Bbl/d Time of open flow between initial and final tests 20 hours Static rock pressure 340 psig (surface measurement) after hours shut in (If applicable due to multiple completion--)

FOF 103MCF

OCT 18 1982

(Continue on reverse side)

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

Shot: 9/25/82 with 10,200# 80% Gelatin 1,680' - 2,649'

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Rock			0	40	
Sand & Shale			40	380	
Salt Sand			380	510	
Sand & Shale			510	540	
Salt Sand			540	710	Water at 540
Sand & Shale			710	879	
Maxon Sand			879	927	
Lime			927	1,170	
Shale			1,170	1,383	
Shale & Sand			1,383	1,686	
Berea			1,686	1,775	
Shale			1,775	2,651	
Total Depth				2,651	<p><i>2651</i> <i>1775</i> <i>876</i></p> <p><i>angela</i></p> <p>Electric Log Tops</p> <p>Little Lime 943 - 980 Big Lime 980 - 1152 Injun 1152 - 1172 Shale 1172 - 1672</p> <p>Coffee Shale 1672 - 1685 Berea 1685 - 1766 Shale 1766 - 1796 Brown Shale 1796 - 1870 Shale 1870 - 2048</p> <p>Brown Shale 2048 - 2202 Shale 2202 - 2240 Brown Shale 2240 - 2524 Shale 2524 - 2649</p> <p>Total Depth - 2649</p>
Gas Checks:					
1790' - 11 MCF (Decreased to Est. 6 MCF)					
2651' - 11 MCF					
POF: 103 MCF - 4 hr. test					
Estimated Devonian Shale - 52 MCF					
Berea Sand - 51 MCF					

(Attach separate sheets as necessary)

SPARTAN GAS COMPANY

Well Operator

By: William T. J. [Signature]

Date: October 4, 1982

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."



Date: August 26, 19 82

Operator's Well No. 2-S-285

API Well No. 47 - 099 - 1791

State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil _____ / Gas x /
(If "Gas", Production x / Underground storage _____ / Deep _____ / Shallow x /)

LOCATION: Elevation: 574.61 Watershed: Drag Creek
District: Lincoln County: Wayne Quadrangle: Webb 7.5'

WELL OPERATOR Spartan Gas Company DESIGNATED AGENT W. T. Ziebold
Address P. O. Box 766 Address P. O. Box 766
Charleston, W. Va. 25323 Charleston, W. Va. 25323

OIL & GAS ROYALTY OWNER Columbia Gas Transmission Corp. COAL OPERATOR Columbia Coal Gasification Corp.
Address P. O. Box 1273 Address P. O. Box 1180
Charleston, W. Va. 25325 Ashland, Kentucky 41101

Acreage 4,873.95

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Faye C. Sammons
Address c/o John H. Sammons, Jr.
3041 Minerva Lake Road
Columbus, Ohio 43224
Acreage 30

Name Same as Oil and Gas Royalty Owner
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Address NA

COAL LESSEE WITH DECLARATION ON RECORD:

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Kenneth Butcher
Address Rt. 1, Barboursville, W. Va.
736-4885

Name Same as Coal Operator
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease _____
other contract x / dated January 4, 19 82, to the undersigned well operator from Columbia Gas
Transmission Corporation

(If said deed, lease, or other contract has been recorded:)

Recorded on _____, 19_____, in the office of the Clerk of the County Commission of _____ County, West
Va., in _____ Book _____ at page _____. A permit is requested as follows:

PROPOSED WORK: Drill x / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ /
Plug off old formation _____ / Perforate new formation _____ /
Other physical change in well (specify) _____

—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to
make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the
Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to
the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to
the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY
TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMIS-
SION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

RECEIVED
SEP 13 1982
OIL & GAS DIVISION
DEPT. OF MINES

SPARTAN GAS COMPANY

Well Operator

By William T. Ziebold
Its PRESIDENT

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) _____
Address _____

GEOLOGICAL TARGET FORMATION, Devonian Sahle

Estimated depth of completed well, 2,600 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 30 feet; salt, 400 feet.

Approximate coal seam depths: NA Is coal being mined in the area? Yes _____ / No X /

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	Left in well			
Conductor										Kinds
Fresh Water	9-5/8					240'	240'	To surface		
Coal										Sizes
Intermediate										
Production	7					940'	940'	50 sx		Depths set
Tubing										
Liners	4-1/2						900'			Perforations:
										Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 5-13-83
BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____
Its _____

WR-38
DATE:

API # 47-099-1791

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE 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: Columbia-Wayne 2 Operator Well No.: 2-S-285

LOCATION: Elevation: 574.61 Quadrangle: Webb 7.5'
District: Lincoln County: Wayne
Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Well Type: OIL _____ GAS X

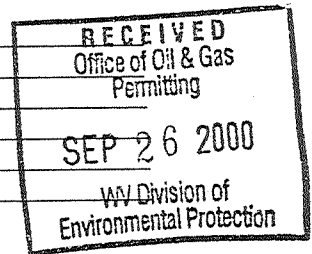
Company: Penn VA Oil & Gas
PO Box 387
Duffield VA 24244

Coal Operator
or Owner

Coal Operator
or Owner

Agent: Harry Jewell

Permit Issued Date: 5/11/00



AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln ss:

Paul Stevens and Scott Parsons 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 Dave Belcher Oil and Gas Inspector representing the Director, say that said work was commenced on the 29th day of August, 2000 and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Gel Hole	Surface	2651'		
Pulled 2-3/8"		2512'	2512'	0
Cement	1674'	1474'		
Cement	1054'	954'		
Pulled 7"		304'	304'	695'
Cement	304'	Surface		
4-1/2" left in hole - Liner in bottom of well				1022'
9-5/8" left in hole - Cemented to surface				247'

[Signature] 9/28/00

Description of monument: Erect monument with API # 47-099-1791 and that the work of plugging and filling said well was completed on the 1st day of Sept., 2000.

And further deponents saith not.

[Signature: Paul Stevens]
[Signature: Scott Parsons]

Sworn and subscribe before me this 6th day of September, 20
My commission expires: 10-7-2002

[Signature: Notary Public]
Notary Public

Oil and Gas Inspector: Dave Belcher 9-14-00

WAY 1791

SEP 29 2000