

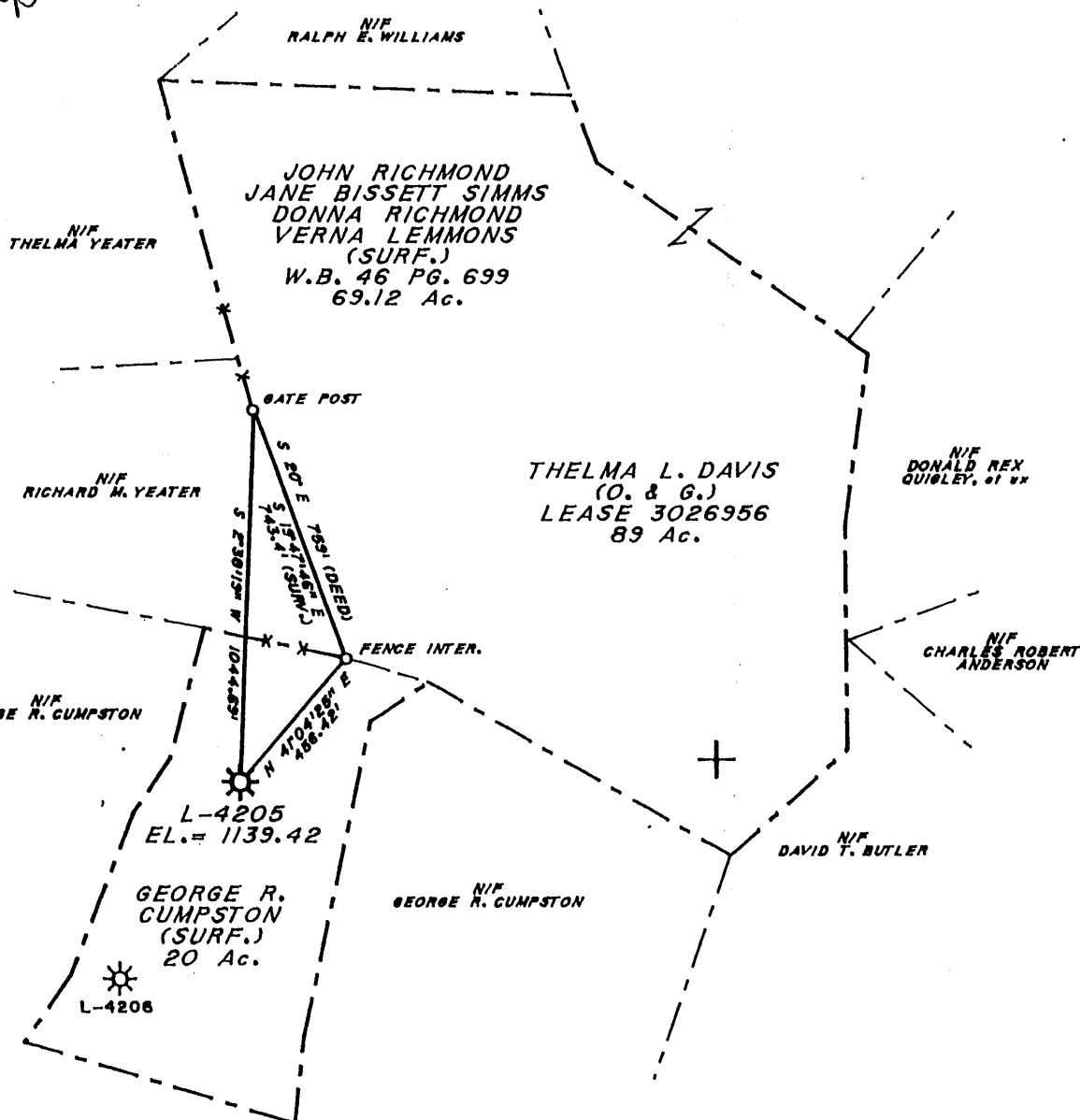
LATITUDE 39°47'30"

5,110'

LONGITUDE 80°55'08"

10,020'

James  
10/12/95



LAT. 39°45'50"  
LONG. 80°36'05"

F.B. 1779N PG. 10-11

MAP 4400 N 17  
532 E 17

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

NOTE: THIS MAP IS FOR WELL LOCATION PURPOSES ONLY AND DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY.

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/2500  
 PROVEN SOURCE OF ELEVATION BM E127 700.9'

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) *Neil S. Lynn*

R.P.E. \_\_\_\_\_ L.L.S. 945

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE AUGUST 23, 19 95  
 OPERATOR'S WELL NO. L-4205  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1139.42' WATER SHED CEDAR RUN  
 DISTRICT LIBERTY COUNTY MARSHALL  
 QUADRANGLE CAMERON, W.V.

SURFACE OWNER SEE PLAT ABOVE ACREAGE 89.12  
 OIL & GAS ROYALTY OWNER THELMA L. DAVIS LEASE ACREAGE 89  
 COAL OWNER \_\_\_\_\_ LEASE NO. 3026956

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

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_

WELL OPERATOR COLUMBIA GAS TRANS. CORP. DESIGNATED AGENT R. A. SCHOFF  
 ADDRESS P.O. BOX 1273 ADDRESS P.O. BOX 496  
CHARLESTON, W.V. 25325 WASHINGTON, PA 15301

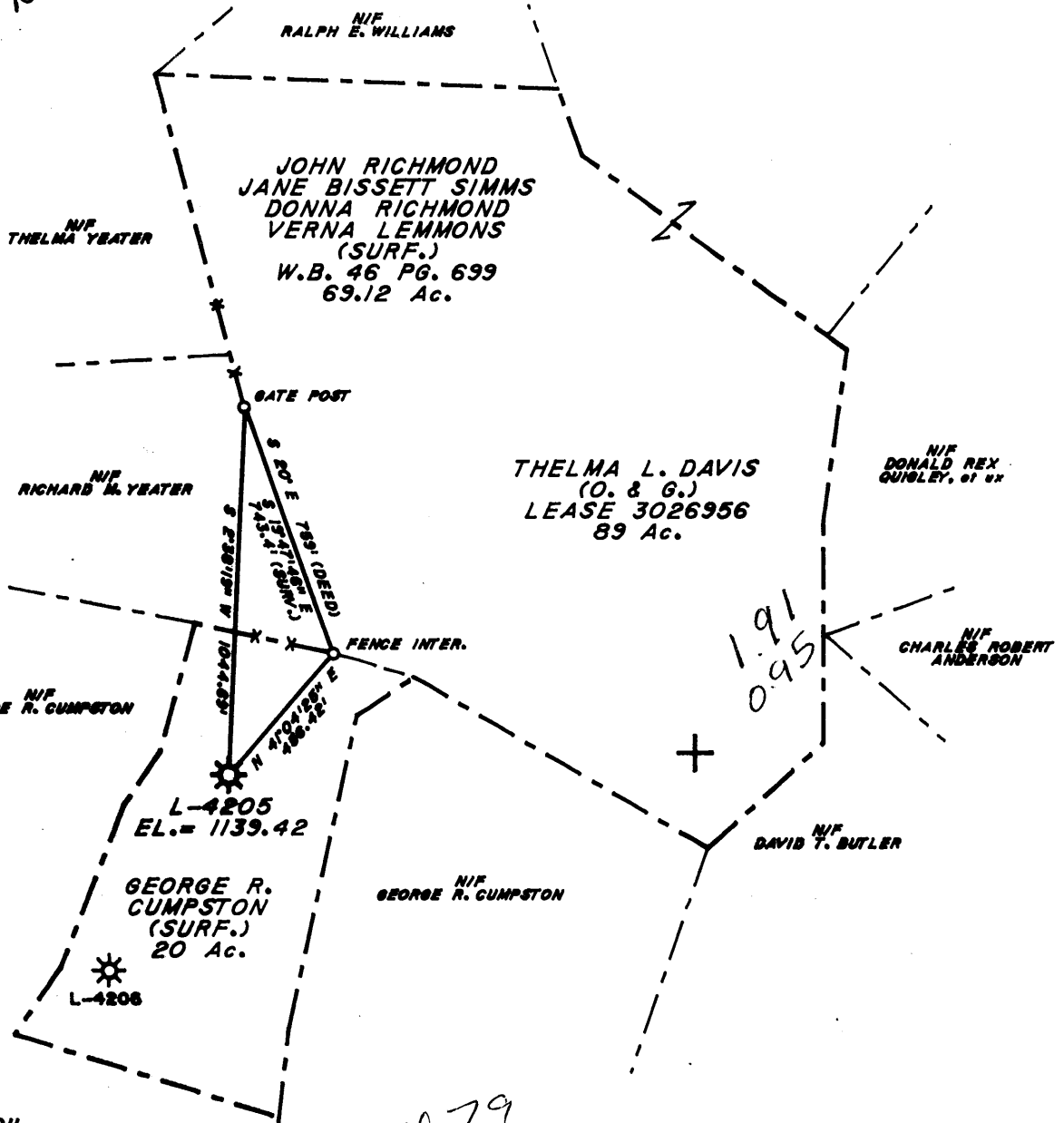
MARS-0719-F  
 COUNTY NAME  
 PERMIT  
 CANC.

Cameron 7

9-AM FORM

LATITUDE 39°47'30"

June 10/12/95



NORTH

LONGITUDE 80°55'00"

10,020'

LAT. 39°45'50"  
LONG. 80°36'05"

F.B. 1779N PG. 10-11

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532 E 17

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(SIGNED) Neil S. Egan  
 R.P.E. \_\_\_\_\_ L.L.S. 945

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE AUGUST 23, 1995  
 OPERATOR'S WELL NO. L-4205  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS," ) PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1139.42' WATER SHED CEDAR RUN  
 DISTRICT LIBERTY COUNTY MARSHALL  
 QUADRANGLE CAMERON, W.V.

SURFACE OWNER SEE PLAT ABOVE ACREAGE 89.12  
 OIL & GAS ROYALTY OWNER THELMA L. DAVIS LEASE ACREAGE 89  
 COAL OWNER \_\_\_\_\_ LEASE NO. 3026956

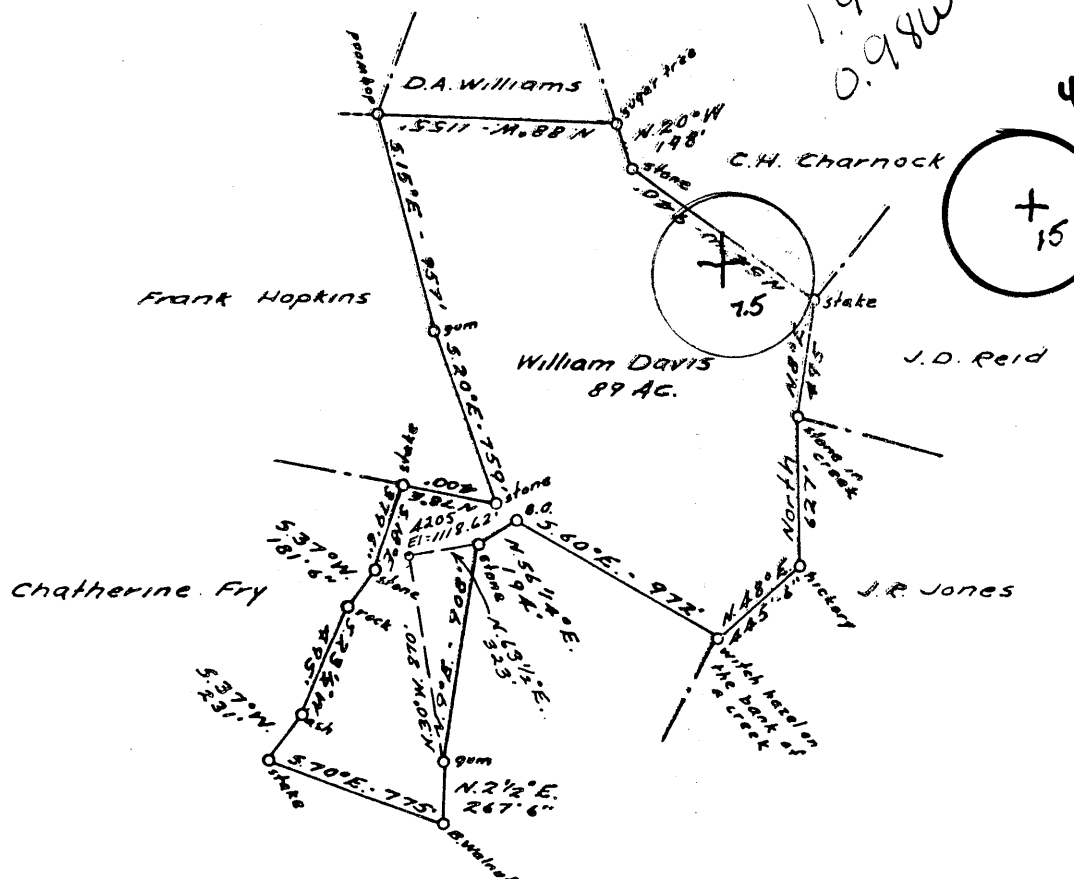
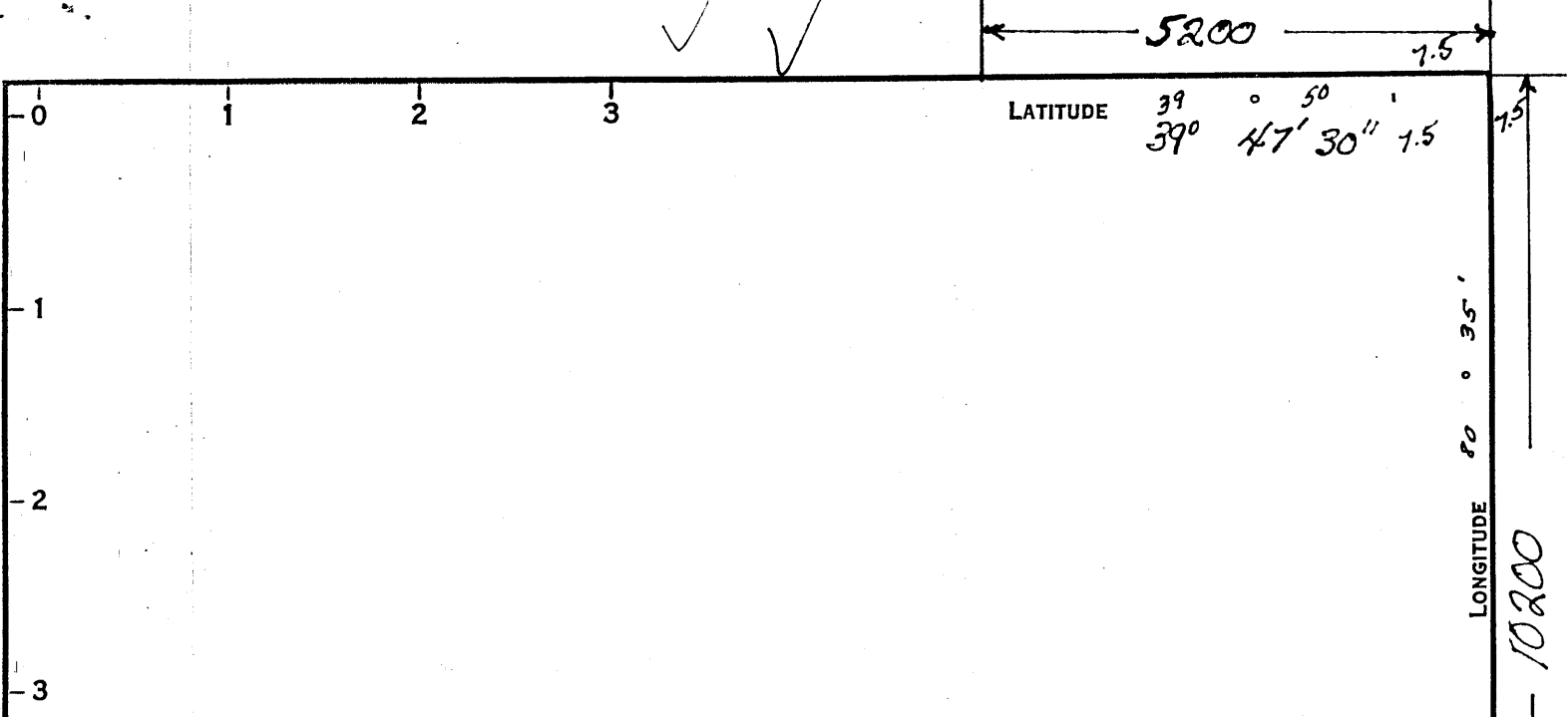
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PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR COLUMBIA GAS TRANS. CORP. DESIGNATED AGENT R. A. SCHOFF  
 ADDRESS P.O. BOX 1273 ADDRESS P.O. BOX 496  
CHARLESTON, W.V. 25325 WASHINGTON, PA 15301

COUNTY NAME PERMIT

MARS-0714-F

FORM 9-MA 8/95



COAL OWNED BY  
 PARTIAL PLUG

NEW LOCATION.....

DRILL DEEPER..... - 7128-37

ABANDONMENT.....

COMPANY Columbia Gas Trans. Corp. 175

ADDRESS PO Box 1273 - Chas. W.Va. 253 25

FARM George R. Compston

TRACT \_\_\_\_\_ ACRES 89 LEASE No. 26956

WELL (FARM) No. \_\_\_\_\_ SERIAL No. 4205

ELEVATION (SPIRIT LEVEL) 1118.62'

QUADRANGLE CAMERON 15 CAMERON 9.5 278 019 g

COUNTY MARSHALL DISTRICT LIBERTY 4

ENGINEER Thomas E. Yergin M

ENGINEER'S REGISTRATION No. 1503

FILE No. \_\_\_\_\_ DRAWING No. Y-15-886

DATE 29 JAN. 1959 SCALE 1" = 800'

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

WELL LOCATION MAP

FILE No. 47-051-0719-DD  
 (Formerly: Mars-395-PP-A)

+ 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.

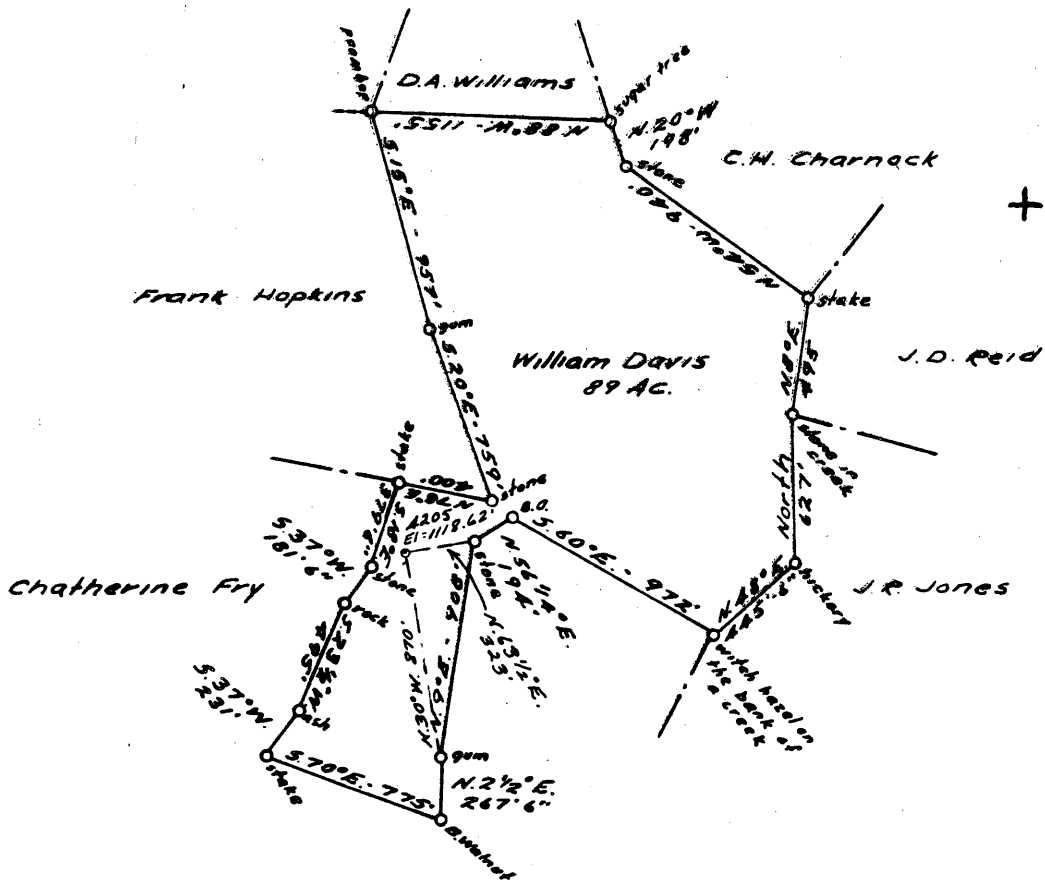
0 1 2 3 LATITUDE 39 ° 50 ' 1

1

2

3

LONGITUDE 80 ° 35 ' 1



4.765  
0.99W

COAL OWNED BY \_\_\_\_\_  
 PARTIAL PLUG.

NEW LOCATION.....

DRILL DEEPER.....

ABANDONMENT.....

COMPANY THE MANUFACTURERS LIGHT & HEAT

ADDRESS 800 UNION TRUST BLDG. P64. PA.

FARM WILLIAM DAVIS

TRACT \_\_\_\_\_ ACRES 89 LEASE No. 26956

WELL (FARM) No. \_\_\_\_\_ SERIAL No. 4205

ELEVATION (SPIRIT LEVEL) 1118.62'

QUADRANGLE CAMERON

COUNTY MARSHALL DISTRICT LIBERTY

ENGINEER Thomas E. Yergin M

ENGINEER'S REGISTRATION No. 1503

FILE No. \_\_\_\_\_ DRAWING No. Y-15-886

DATE 29 JAN. 1959 SCALE 1" = 800'

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

WELL LOCATION MAP

FILE No. MARS-395-Partial Plug  
now Marshall map

+ 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.

WR-35

RECEIVED  
NOV 13 1987



State of West Virginia

DEPARTMENT OF ENERGY  
Oil and Gas Division

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date \_\_\_\_\_  
Operator's \_\_\_\_\_  
Well No. L4205  
Farm Davis  
API No. 47-051 - 0719 DD

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 X / Deep \_\_\_ / Shallow X /)

LOCATION: Elevation: 1119 Watershed Fishcreek  
District: Liberty County Marshall Quadrangle Cameron

COMPANY Columbia Gas Transmission Corp.  
ADDRESS Charleston, WV

DESIGNATED AGENT Robert C. Weidner  
ADDRESS Charleston, WV

SURFACE OWNER George R. Compston  
ADDRESS RD #5, Box 205, Camerson, WV 26033

MINERAL RIGHTS OWNER Consolidated Coal Corp.  
ADDRESS Consol Plaza, Pittsburgh, PA 15241

OIL AND GAS INSPECTOR FOR THIS WORK Mike Underwood  
ADDRESS Rt. 2, Box 135, Salem, WV

PERMIT ISSUED \_\_\_\_\_  
DRILLING COMMENCED September 28, 1987

DRILLING COMPLETED October 7, 1987

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 20-16 Cond.			
13-10"			
10-3/4"	190	190	75 sk.*
8 5/8"	877	877	225 sk.*
7"	1876	1876	250 sk.*
5 1/2"			
4 1/2"	2276'	2276'	250 sk.
3"			
2"			
Liners used			

GEOLOGICAL TARGET FORMATION Big Injun Depth 1946-2180 feet

Depth of completed well 2276 feet Rotary X / Cable Tools \_\_\_\_\_

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

Coal seam depths: 792' - 797' Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 1964-2058 feet

Gas: Initial open flow 16,000 Mcf/d Oil: Initial open flow None Bbl/d

Final open flow 2,820 Mcf/d Final open flow None Bbl/d

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

Static rock pressure 715 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

Second producing formation none 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

\*Installed in 1959.

NOV 23 1987

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

Drilled 6¼" hole to 2276'. Ran 4½" K-55, 11.6# Casing to T.D. with float shoe on bottom and latch down baffle and plug at 2244'. Perforated Big Injun sand from 1964' - 1970', 1981' - 1985', and 2044' - 2058', 4 shots/ft. Flushed well with 1,000 gal. MCA acid, did not fracture.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Pittsburgh Coal		<u>1/</u>	792	797	<u>1/</u> All geologic formations were picked from the Gamma Ray log ran in 1959.
Big Dunkard			1296	1368	
Freeport Coal			1401	1408	
Gas Sand			1422	1434	
First Salt Sand			1460	1486	
Second Salt Sand			1551	1583	
Third Salt Sand			1698	1718	
Maxton			1818	1851	
Lower Maxton			1858	1875	
Big Lime			1878	1939	
Big Injun			1946	<u>2180</u>	

**RECEIVED**  
NOV 13 1987

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

COLUMBIA GAS TRANSMISSION CORPORATION

Well Operator

By: Ralph J. Dore

Date: NOV 11 1987

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."

RECEIVED JUN 18 1987



1) Date: JUNE 4, 1987
2) Operator's Well No. L-4205
3) API Well No. 47 - 051 - 0719-DD
(Formerly: Mars-395-PP-A)

STATE OF WEST VIRGINIA

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas X
5) LOCATION: Elevation: 1118.62, Watershed: FISH CREEK, District: LIBERTY, County: MARSHALL, Quadrangle: CAMERON
6) WELL OPERATOR: COLUMBIA GAS TRANS. CODE: 10450, DESIGNATED AGENT: R. C. WEIDNER
7) ADDRESS: COLUMBIA GAS TRANS. CORP. CHARLESTON, W. VA. 25314
8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name MIKE UNDERWOOD, Address RT. 2, BOX 135 SALEM, W. VA. 26426
9) DRILLING CONTRACTOR: Name WELL TECH. INC., Address RTE. 1, BOX 47 RIPLEY, W. VA. 25271
10) PROPOSED WELL WORK: Drill deeper X, Redrill, Stimulate
Other physical change in well (specify) SET CASING THROUGH FORMATION, CEMENT & PERFORATE
11) GEOLOGICAL TARGET FORMATION, BIGINJUN
12) Estimated depth of completed well, 2240 feet
13) Approximate trata depths: Fresh, NO RECORD feet; salt, NO RECORD feet.
14) Approximate coal seam depths: 792'-797' Is coal being mined in the area? Yes / No X

15) CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft., New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom)

\*NOW EXISTING

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-051- 0719-DD Date July 28 19 87

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof. Permit expires July 28, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Table with columns: Bond, Agent, Plat, Casing, Fee (13306093), WPCP, Other

NOTE: Keep one copy of this permit posted at the drilling location. Director, Division of Oil and Gas File
See the reverse side of the APPLICANT'S COPY for instructions to the well operator.