

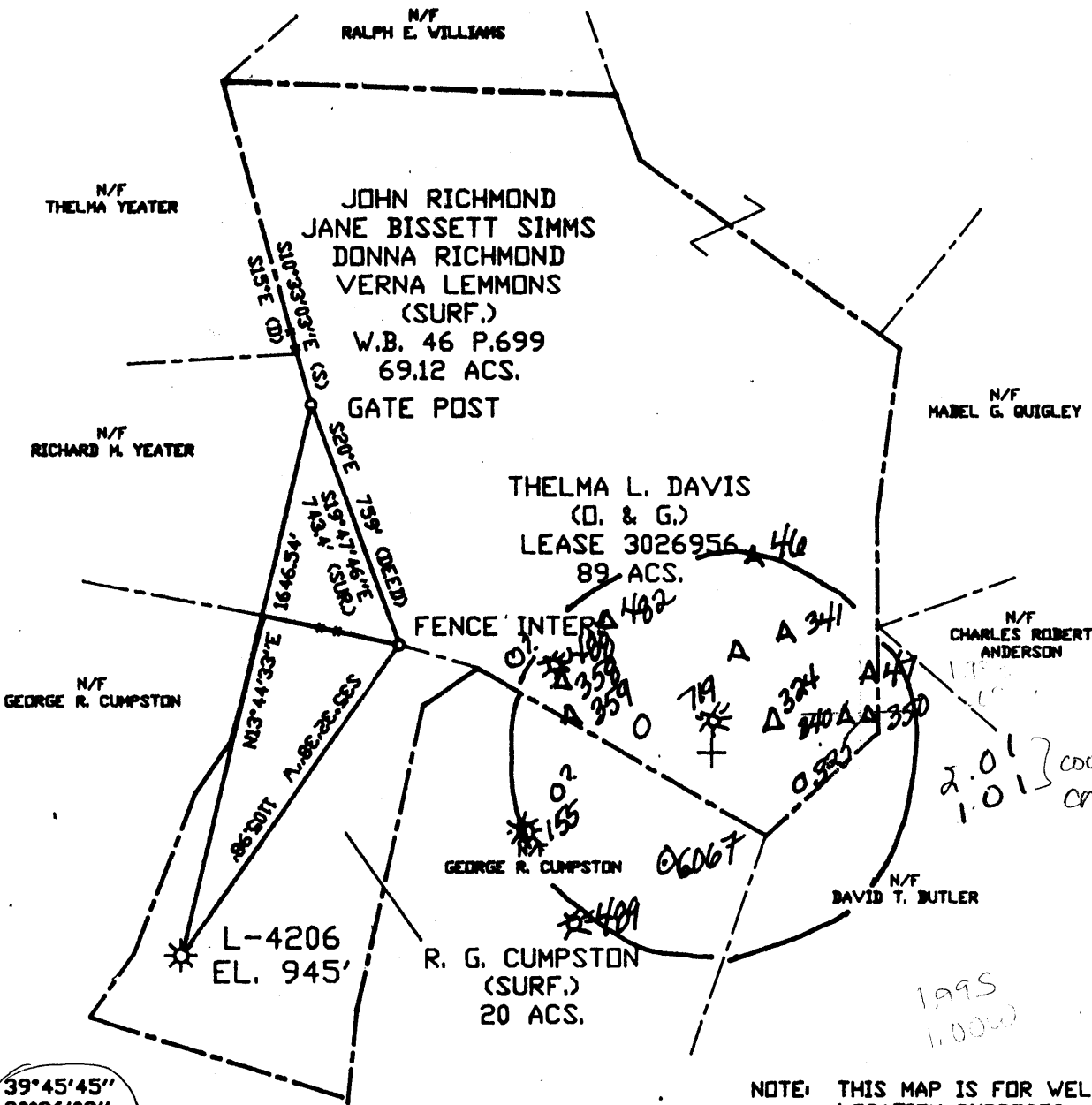
LATITUDE 39°47'30"

5300'

LONGITUDE 80°55'08"

Janil
6/29/93

NORTH



LAT. 39°45'45"
LONG. 80°36'09"

F.B. 1779N P.10 (K.M.L.)

MAP 4400/532

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

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION BM E127 770.9'

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 MINES.

(SIGNED) Neil E. Lypson
 R.P.E. _____ L.L.S. #945



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAR. 8, 19 93
 OPERATOR'S WELL NO. L-4206
 API WELL NO. 47-051-00742-F

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

LOCATION: ELEVATION 945' WATERSHED CEDAR RUN
 DISTRICT LIBERTY 4 COUNTY MARSHALL

QUADRANGLE CAMERON, W.V. & L S

SURFACE OWNER SEE PLAT ABOVE ACREAGE 89.12
 OIL & GAS ROYALTY OWNER THELMA L. DAVIS LEASE ACREAGE 89

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

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION _____ ESTIMATED DEPTH 9-023
 WELL OPERATOR COLUMBIA GAS TRANS. CORP. 175 DESIGNATED AGENT Drill Control

COUNTY NAME

PERMIT

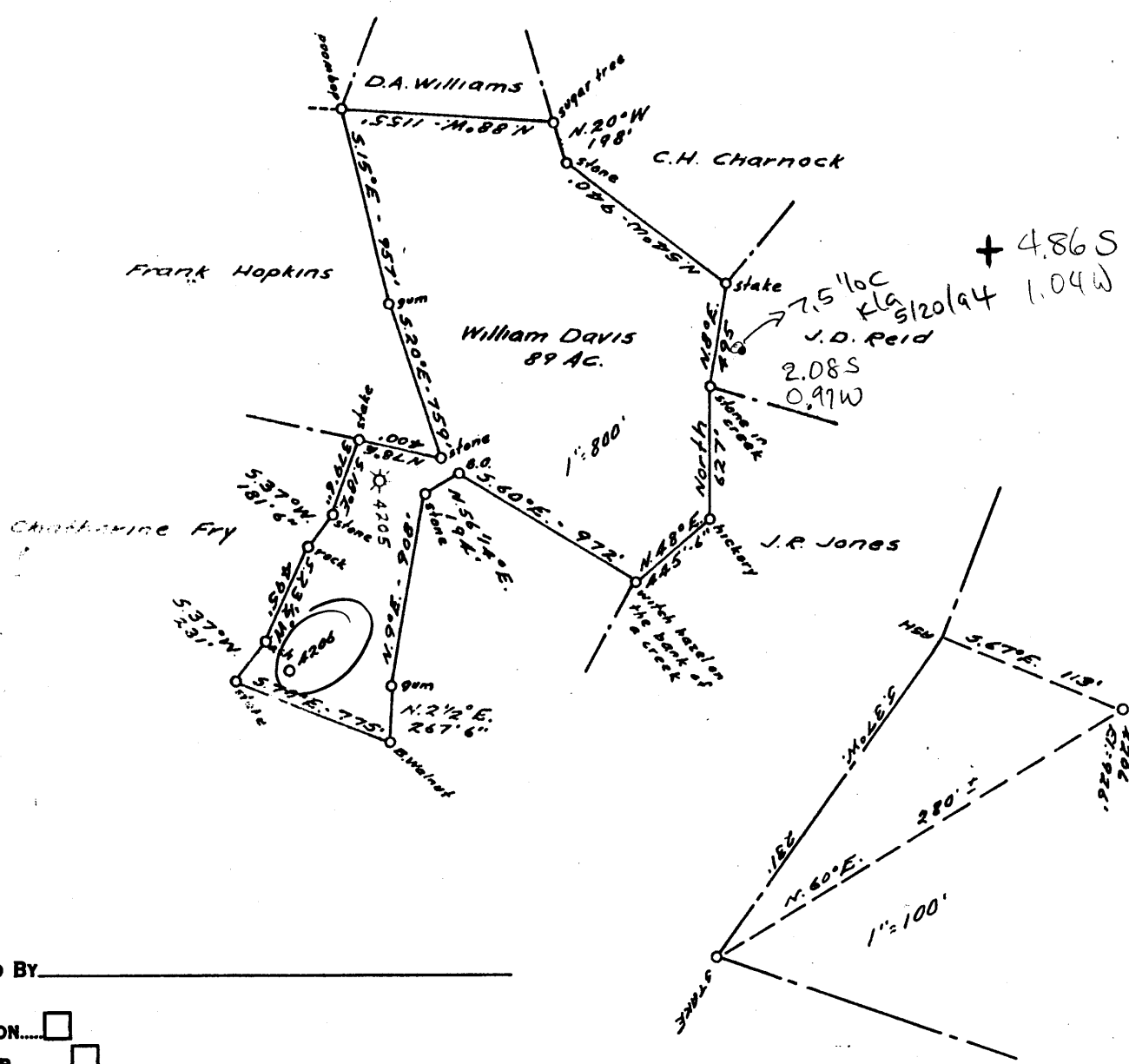
FORM IV-6 (8-78)

LATITUDE 39 0 50
39 47 30

LONGITUDE 80 0 35

0
1
2
3

18264



COAL OWNED BY _____

NEW LOCATION...
 DRILL DEEPER...
 ABANDONMENT...

COMPANY THE MANUFACTURERS LIGHT & HEAT
 ADDRESS 800 UNION TRUST BLDG. PGM. PA.
 FARM WILLIAM DAVIS
 TRACT _____ ACRES 89 LEASE NO. 26956
 WELL (FARM) NO. 1 SERIAL NO. 4206
 ELEVATION (SPIRIT LEVEL) 926'
 QUADRANGLE CAMERON SC
 COUNTY MARSHALL DISTRICT LIBERTY
 ENGINEER Thomas E. Virginia M
 ENGINEER'S REGISTRATION NO. 1503
 FILE NO. _____ DRAWING NO. Y-15-685
 DATE 27 DEC. 1957 SCALE 1" = 800'

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

WELL LOCATION MAP

FILE NO. MARS-386-A-PP 742
 set: 051-0765-T 1033

+ 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.

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

FEB 0 1995

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: COMPSTON, GEORGE R. Operator Well No.: L-4206

LOCATION: Elevation: 945.00 Quadrangle: CAMERON

District: LIBERTY County: MARSHALL
Latitude: 10550 Feet South of 39 Deg. 47Min. 30 Sec.
Longitude 5300 Feet West of 80 Deg. 35 Min. Sec.

Company: COLUMBIA GAS TRANSMISSION
1700 MacCORKLE AVENUE S.E.
CHARLESTON, WV 25314-0000

Agent: ROBERT C. WEIDNER

Inspector: RANDAL MICK
Permit Issued: 07/02/93
Well work Commenced: 10/11/93
Well work Completed: 01/12/94
Verbal Plugging _____
Permission granted on: _____
Rotary Cable _____ Rig _____
Total Depth (feet) 1980'
Fresh water depths (ft) _____
NOT RECORDED BY DRILLER
Salt water depths (ft) _____
NOT RECORDED BY DRILLER
Is coal being mined in area (Y/N)? No
Coal Depths (ft): 599' TO 605'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
10 3/4" OD	202'	202'	148
8 5/8" OD	1112'	1112'	236
7" OD	1759'	1759'	295
4 1/2" OD	1980'	1980'	126

OPEN FLOW DATA

Producing formation BIG INTUN SAND Pay zone depth (ft) 1820 TO 26
 Gas: Initial open flow 8,540 MCF/d Oil: Initial open flow — Bbl/
 Final open flow — MCF/d Final open flow — Bbl/
 Time of open flow between initial and final tests — Hour
 Static rock Pressure 600 psig (surface pressure) after 187 Hour

Second producing formation — Pay zone depth (ft) —
 Gas: Initial open flow — MCF/d Oil: Initial open flow — Bbl/
 Final open flow — MCF/d Final open flow — Bbl/
 Time of open flow between initial and final tests — Hour
 Static rock Pressure — psig (surface pressure) after — Hour

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATE 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: Ronald A. Shoff
Date: January 20, 1995

10/13/93 CLEANED OUT TO PLUGGED BACK TOTAL DEPTH AT 1980' G.L.

10/15/93 RAN 1980' GL OF 4 1/2" OD, K-55, 11.6 ~~ppf~~ CASING AND HALLIBURTON CEMENTED IN PLACE WITH 100 ^{SKS}.

10/18/93 INSTALLED A NEW 7" X 4 1/2", API 2000, ERC FLANGED WELLHEAD WITH 2-4 1/2", API 2000, FOSTER GATE VALVES,

3/94 ATLAS WIRELINE SERVICES PERFORATED THE 4 1/2" OD CASING FROM 1820' TO 1826' AND FROM 1838' TO 1848' AT 6 ^{SHOTS}/FOOT.

12/94 HALLIBURTON FRACTURED THE BIG INJUN SAND WITH 500 ^{GAL} OF 15% HCL, 506 ^{BBQ} OF GELLED WATER, 5,000 # OF 80/100 SAND AND 20,200 # OF 20/40 SAND,

FORMATION DEPTHS (FROM SERVICE COMPANY LOGS RUN BY HALLIBURTON LOGGING SERVICES ON 10/14/93):

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>
PITTSBURGH COAL	599'	605'
BIG DUNKARD SAND	1141'	1178'
LOWER MAXTON SAND	1673'	1696'
BIG LIME	1696'	1725'
BIG INJUN SAND	1725'	—
TOTAL DEPTH	—	1980'

051-0942-F
 Issued 07/02/93
 Page 1 of 1
 Expires 07/02/95

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

- 1) Well Operator: COLUMBIA GAS TRANSMISSION CORP. 10450 (4) 278
- 2) Operator's Well Number: L-4206 3) Elevation: 945'
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): BIG INJUN SAND
- 6) Proposed Total Depth: 1980' feet
- 7) Approximate fresh water strata depths: + 150'
- 8) Approximate salt water depths: + 1000'
- 9) Approximate coal seam depths: 599-604'
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: KILL WELL; CLEAN OUT TO 1980'; RUN AND CEMENT 4-1/2" CASING THROUGH BIG INJUN SAND; PERFORATE AND FRACTURE.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	10-3/4"	H	32.75	<i>Well Records</i>	202'	125 SACKS
Coal	8-5/8"	J	24		1112'	200 SACKS
Intermediate	7"	J	20		1759'	250 SACKS
Production	4-1/2"	K	11.6		1980'	175 SACKS
Tubing				<i>New Pipe to be run - 380 SACKS</i>		
Liners						

PACKERS : Kind NONE
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

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

00269/20
 "

JUN 16 93
Permitting
Office of Oil & Gas

- 1) Date: MAY 17, 1993
- 2) Operator's well number L-4206
- 3) API Well No: 47 - 051 - XXXXXX
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

051-0742-R-FRAC

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name GEORGE R. COMPSTON
Address RD 5, BOX 205
CAMERON, WV 26033
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name CONSOLIDATION COAL CO.
Address 1800 WASHINGTON ROAD
PITTSBURGH, PA 15241
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector RANDAL MICK
Address 111 BLACSHERE DR.
MANNINGTON, WV 26582
Telephone (304)-986-3324

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

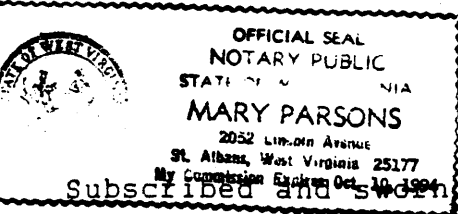
____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

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)
X 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 CORP.
By: [Signature]
Its: DIRECTOR, DRILLING & MAINTENANCE
Address P. O. BOX 1273
CHARLESTON, WV 25325-1273
Telephone 304-357-2459



Subscribed and sworn before me this 9th day of June, 1993
Mary Parsons Notary Public
My commission expires October 10, 1994