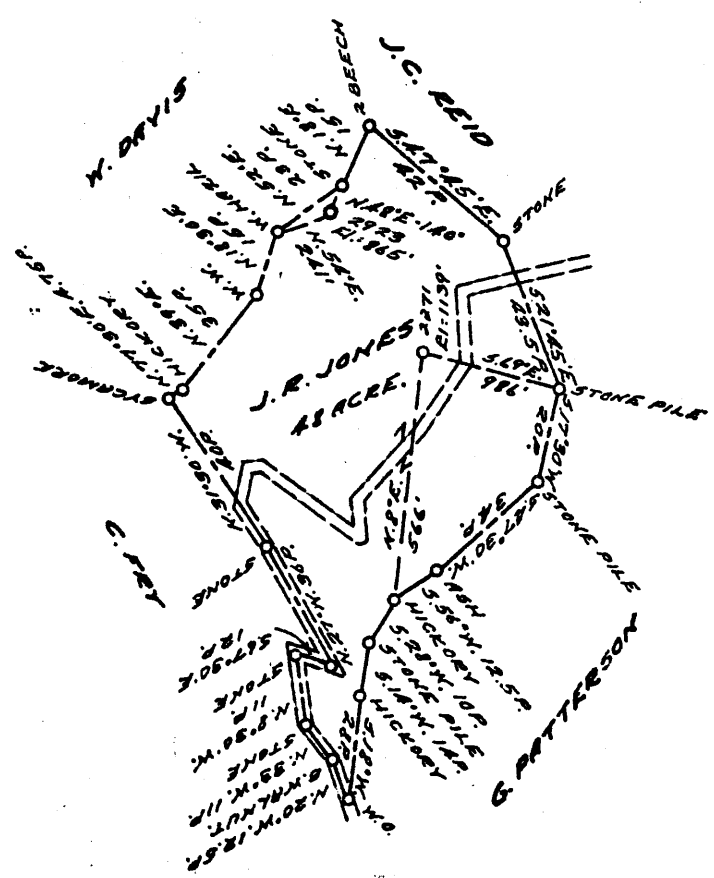


LATITUDE 39 ° 50 ' 39 47 30

LONGITUDE 80 ° 35 '



1.925
0.26w
+

→ 7.5' loc
KLa
s12014

18267

COAL OWNED BY _____
 RECONDITION & PART. PLUG.
 NEW LOCATION.....
 DRILL DEEPER.....
 ABANDONMENT.....

0-25-29

COMPANY THE MANUFACTURERS LIGHT & HEAT
 ADDRESS 800 UNION TRUST BLDG. PGN. PA.
 FARM J.R. JONES
 TRACT _____ ACRES 48 LEASE No. 2217
 WELL (FARM) No. 1 SERIAL No. 2271
 ELEVATION (SPIRIT LEVEL) 1139'
 QUADRANGLE CAMERON'
 COUNTY MARSHALL DISTRICT LIBERTY
 ENGINEER Thomas E. Virgin Jr.
 ENGINEER'S REGISTRATION No. 1503
 FILE No. _____ DRAWING No. V-15-918
 DATE 18 MAR. 59 SCALE 1" = 800

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

WELL LOCATION MAP

FILE No. Mars-397-Partial Plug
 (Storage) 100 - 21003
 see: 051-0769

+ 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.

*Janice
6/30/93*

LATITUDE 39°47'30"

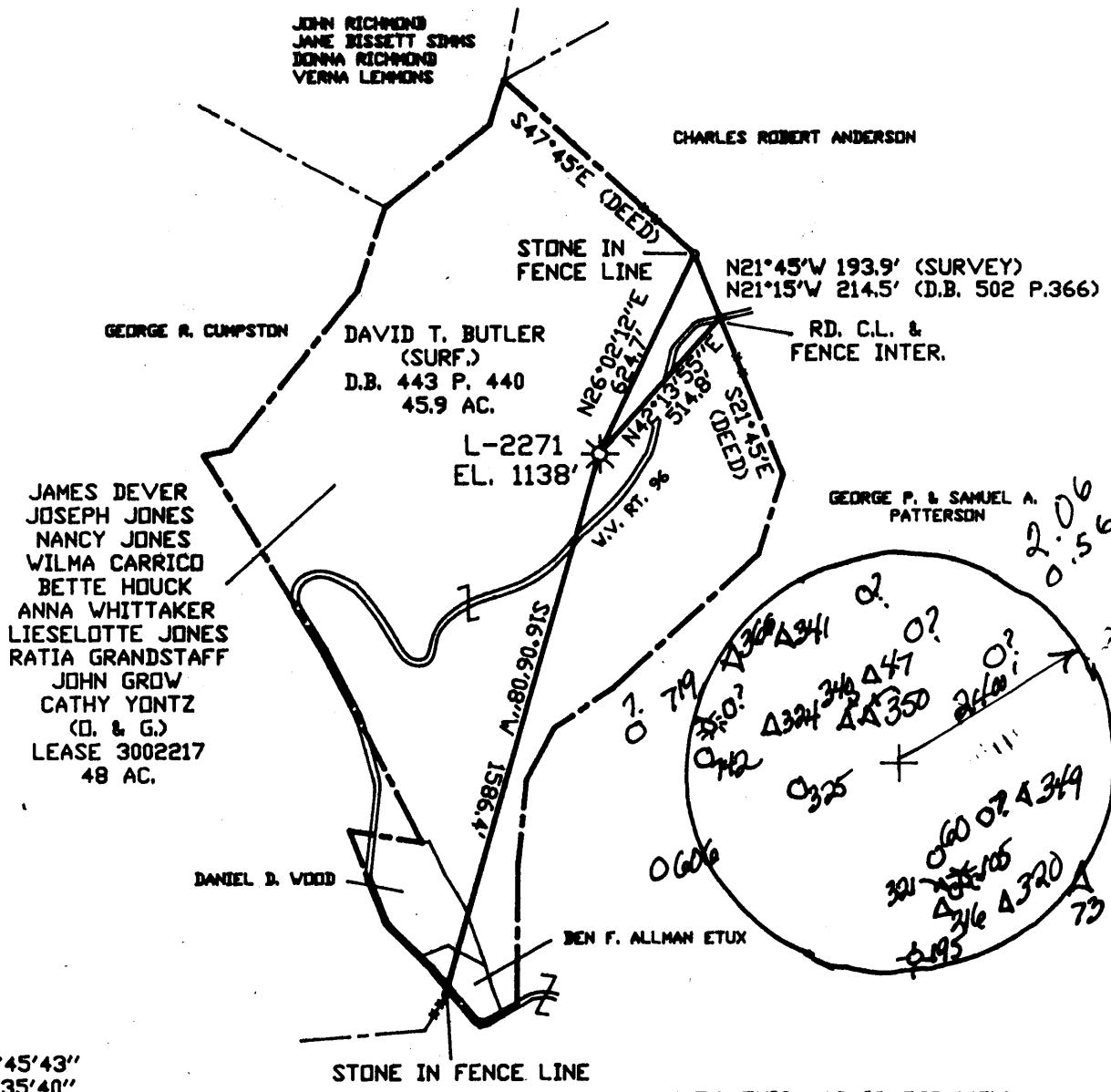
3100'

LONGITUDE 80°35'00"

10820'

NORTH

D.B. 443 P. 440



LAT. 39°45'43"
LONG. 80°35'40"

F.B. 1779N P.2 (K.M.L.)
MAP 4400/532

494
0.56

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 770.09'

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. Lyon*
R.P.E. _____ L.L.S. # 945



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE FEB. 17, 19 93
OPERATOR'S WELL NO. L-2271
API WELL NO. 47-051-007497
STATE COUNTY PERMIT
MARSHALL Was 30397

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1138' WATER SHED CEDAR RUN
DISTRICT LIBERTY 4 COUNTY MARSHALL
QUADRANGLE CAMERON, V.V. 8C
SURFACE OWNER DAVID T. BUTLER ACREAGE 45.9
OIL & GAS ROYALTY OWNER SEE PLAT LEASE ACREAGE 48
LEASE NO. 3002217

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
RECONDITION JUL 2 1993

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR COLUMBIA GAS TRANS. CORP. 175 DESIGNATED AGENT *R. L. Coty*

COUNTY NAME

PERMIT

FORM IV-8 (8-78)

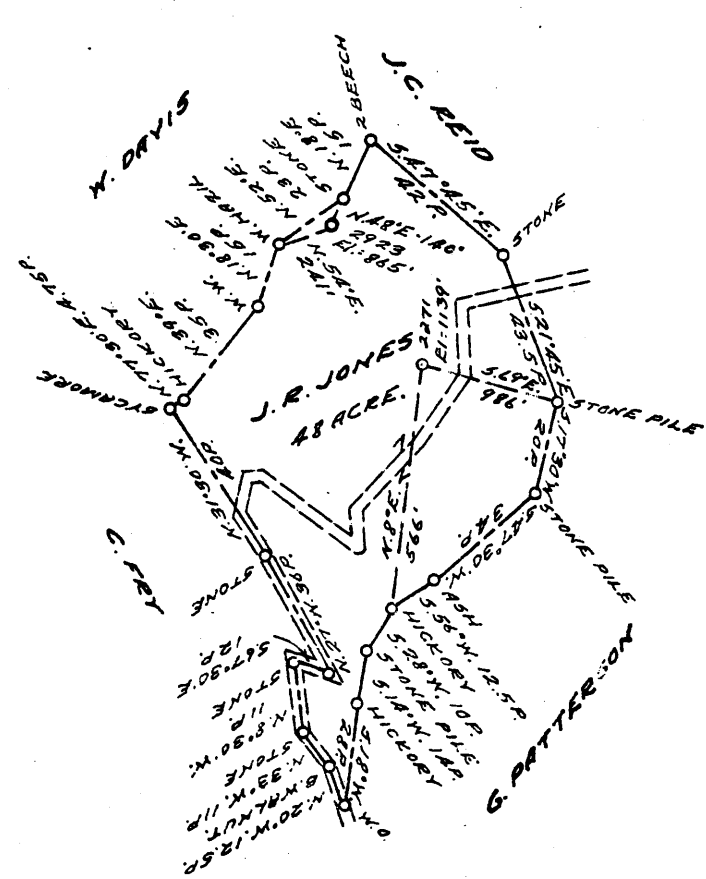
0 1 2 3 LATITUDE 39 ° 50 ' 1

1

2

3

LONGITUDE 80 ° 35 ' 1



+

H.455
O.62W

0-25-29

COAL OWNED BY _____
RECONDITION & PART. PLUS.

NEW LOCATION.....

DRILL DEEPER.....

ABANDONMENT.....

COMPANY THE MANUFACTURERS LIGHT & HEAT

ADDRESS 800 UNION TRUST BLDG. PGH. PA.

FARM J. R. JONES

TRACT _____ ACRES 48 LEASE No. 2217

WELL (FARM) No. 1 SERIAL No. 2271

ELEVATION (SPIRIT LEVEL) 1139'

QUADRANGLE CAMERON

COUNTY MARSHALL DISTRICT LIBERTY

ENGINEER Thomas E. Virgin Jr.

ENGINEER'S REGISTRATION No. 1503

FILE No. _____ DRAWING No. V-15-918

DATE 18 MAR 59 SCALE 1" = 800

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

WELL LOCATION MAP
A → 769
FILE No. Mars-397-Partial Plug
(Storage)

+ 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
 WV Division of Environmental Protection
 AUG 19 1994

30-Jun-93
 API # 47- 51-00741 F
 51-769F

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

Permitting
 Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: BUTLER, SANDRA & DAVID Operator Well No.: L-2271

LOCATION: Elevation: 1,138.00 Quadrangle: CAMERON

District: LIBERTY County: MARSHALL
 Latitude: 10820 Feet South of 39 Deg. 47Min. 30 Sec.
 Longitude 3100 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: 9/9/93
 Well work Completed: 3/28/94
 Verbal Plugging _____
 Permission granted on: N/A
 Rotary Cable _____ Rig
 Total Depth (feet) 2163'
 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): PITTSBURGH 806'-814'

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
10 ³ / ₄ " OD	219'	219'	59
8 ⁵ / ₈ " OD	1290'	1290'	236
7" OD	1915'	1915'	266
4 ¹ / ₂ " OD	2194'	2194'	135

OPEN FLOW DATA

Producing formation BIG INJUN SAND Pay zone depth (ft) 1948'
 Gas: Initial open flow 178 MCF/d Oil: Initial open flow — Bbl/
 Final open flow 418 MCF/d Final open flow — Bbl/
 Time of open flow between initial and final tests — Hour
 Static rock Pressure 540 psig (surface pressure) after 66 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. Schoff
 Date: August 12, 1994

AUG 26 1994

- 1/13/93 CLEANED OUT TO THE PLUGGED BACK TOTAL DEPTH=2203' G.L.
- 1/16/93 RAN 2194' GL OF 4 1/2" O.D., K-55, 1116 ~~ggs~~ CASING AND HALLIBURTON CEMENTED IN PLACE WITH 110 ^{SKS}
- 1/17/93 INSTALLED A NEW 7" x 4 1/2", API 2000, ERC FLANGED WELLHEAD WITH 2-4 1/4", API 2000, FOSTER GATE VALVES.
- 1/19/93 ATLAS WIRELINE SERVICES PERFORATED THE 4 1/2" O.D. CASING FROM 1948' TO 1958' AT 8 SHOTS/FOOT.
- 2/14/93 HALLIBURTON FRACTURED THE BIG INJUN SAND WITH 574 ^{ggs} OF MY-T-GEL, 5,000# OF 80/100 SAND AND 30,000# OF 20/40 SAND.

FORMATION DEPTHS (FROM SERVICE COMPANY LOGS RUN BY SCHLUMBERGER ON 9/15/93):

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>
PITTSBURGH COAL	806'	814'
BIG DUNKARD SAND	1281'	1372'
3 RD SALT SAND	1819'	1843'
MAXTON SAND	1849'	1858'
LOWER MAXTON SAND	1880'	1899'
BIG LIME	1907'	1944'
BIG INJUN SAND	1946'	—
TOTAL DEPTH	—	2203'
PLUGGED BACK TO	—	2163'

8EHL1

051-0741 - Frac

Issued 07/02/93

Page 1 of 1

FORM WW-2B JUN 16 93

Expires 07/02/95

Permitting
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 Office of Oil & Gas
 STATE OF WEST VIRGINIA
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: COLUMBIA GAS TRANSMISSION CORP. 10450 (4) 278
- 2) Operator's Well Number: L-2271 3) Elevation: 1138'
- 4) Well-type: (a) Oil / or Gas X /
 (b) If Gas: Production / Underground Storage X /
 Deep / Shallow X /
- 5) Proposed Target Formation(s): 371 BIG INJUN SAND
- 6) Proposed Total Depth: 2200 feet
- 7) Approximate fresh water strata depths: 175'
- 8) Approximate salt water depths: 1020'
- 9) Approximate coal seam depths: 700-716', 811-818'
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: KILL WELL; CLEAN OUT TO 2200'; RUN AND CEMENT 4-1/2" CASING THROUGH BIG INJUN SAND; PERFORATE AND FRACTURE WELL.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor						
Fresh Water	10-3/4"	H	32.75	220'	219'	50 SACKS
Coal	8-5/8"	J	24	1290'	1290'	200 SACKS
Intermediate	7"	J	20	1987'	1936'	225 SACKS
Production	4-1/2"	K	11.6		2200'	175 SACKS
Tubing						
Liners						

Existing from Well Records.

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

80269/20
11

RECEIVED

Environmental Protection

JUN 16 93

Permitting Office of Oil & Gas

Page 1 of 1
Form WW2-A
(09/87)
File Copy

1) Date: MAY 12, 1993
2) Operator's well number L-2271
3) API Well No: 47 - 051 - 0741-R-FRAC
State - County - Permit

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

4) Surface Owner(s) to be served:
(a) Name DAVID T. & SANDRA L. BUTLER
Address RT. 5, BOX 207
CAMERON, WV 26033
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector RANDAL MICK
Address 111 BLACKSHERE DRIVE
MANNINGTON, WV 26582
Telephone (304)-986-3324

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 _____

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:

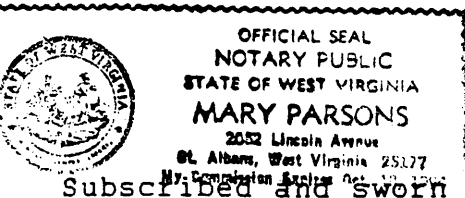
- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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: R. C. WEIDNER
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