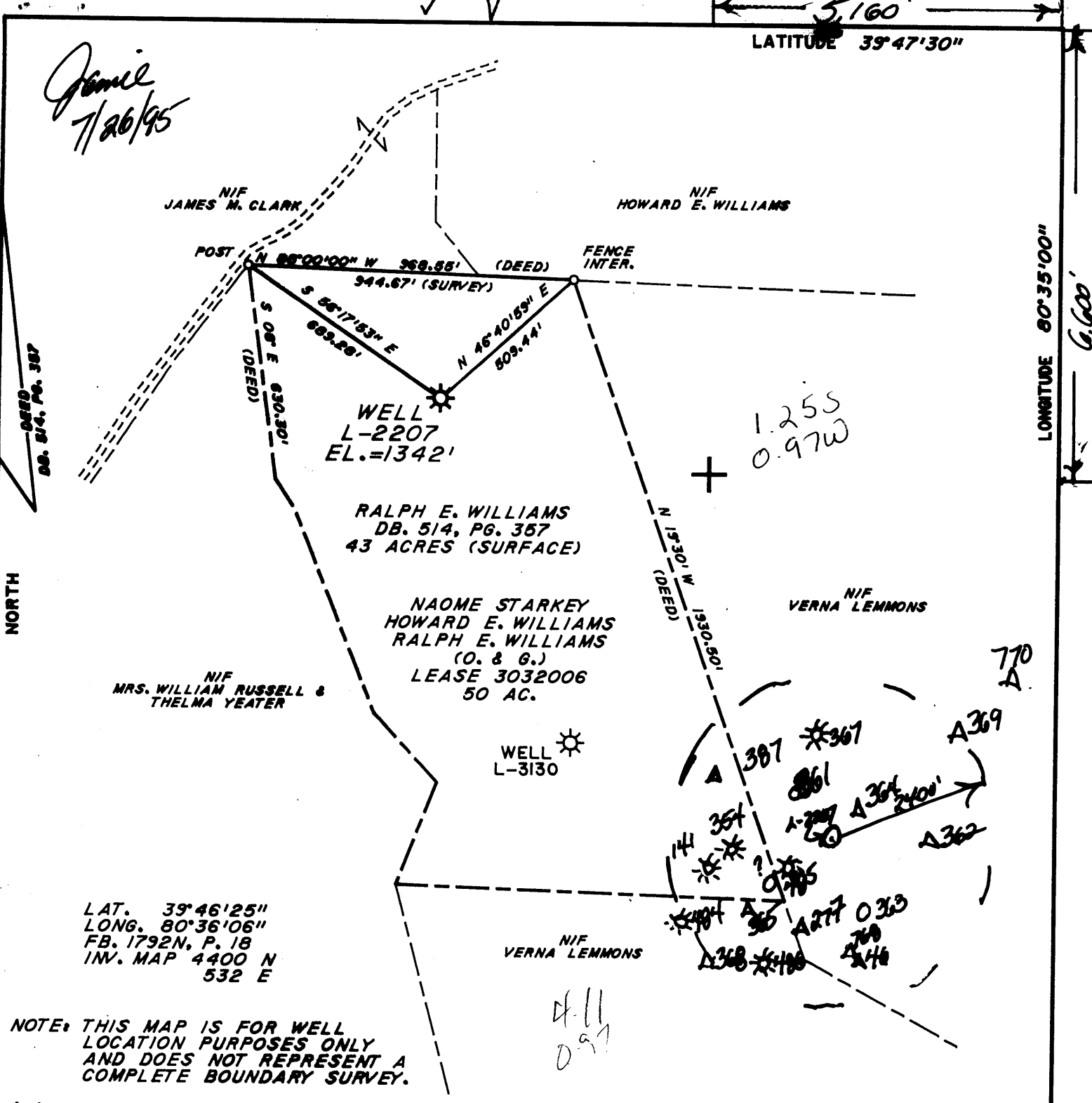


Janie
7/26/95

5,160'
LATITUDE 39°47'30"



LAT. 39°46'25"
LONG. 80°36'06"
FB. 1792N, P. 18
INV. MAP 4400 N
532 E

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 (7 1/2")

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1/2500
PROVEN SOURCE OF ELEVATION USGS E-127
ELEV. = 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 ENERGY.
(SIGNED) *Richard L. Coty* 3/23/95
R.P.E. _____ L.L.S. 945

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MARCH 1, 1995
OPERATOR'S WELL NO. L-2207
API WELL NO.

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1342' WATER SHED CEDAR RUN
DISTRICT LIBERTY COUNTY MARSHALL
QUADRANGLE CAMERON, W.V. *Cameron SE*
SURFACE OWNER RALPH E. WILLIAMS ACREAGE 43
OIL & GAS ROYALTY OWNER SEE PLAT LEASE ACREAGE 50
COAL OWNER _____ LEASE NO. 3032006

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 *Big Lick* ESTIMATED DEPTH 2375' Storage ADD 1 - 1995
WELL OPERATOR COLUMBIA GAS TRANS. CORP. DESIGNATE
ADDRESS P.O. BOX 1273, CHARLESTON, W.V. 25328 ADDRESS
Richard L. Coty
Same Address
PH: 304-357-3034

LONGITUDE 80°55'08"

MARSHALL COUNTY NAME

039 PERMIT

LATITUDE 39 4730

80 35

→ 0635
75'10"

LONGITUDE

LONGITUDE

7'5 OGIS topo location

7.5' 10c	<u>1.24S</u>	15' 10c	<u>4.12S</u>
	<u>0.98W</u>	(calc.)	<u>0.98W</u>

Company _____	
Farm _____	
SECTION MAP _____	
Quad <u>Cameron</u> ↓	<u>15' SC</u>
County _____	
District <u>Liberty</u>	

WELL LOCATION MAP

File No. marshall 39

WR-3 RECEIVED WV Division of Environmental Protection

26-Jul-95 API # 47- 51-00039 W

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

JUN 11 1996

Well Operator's Report of Well Work

Permitting Office of Oil & Gas Farm name: WILLIAMS, RALPH E. Operator Well No.: L-2207

LOCATION: Elevation: 1,342.00 Quadrangle: CAMERON District: LIBERTY County: MARSHALL Latitude: 6600 Feet South of 39 Deg. 47Min. 30 Sec. Longitude 5160 Feet West of 80 Deg. 35 Min. Sec.

Company: COLUMBIA GAS TRANSMISSION P.O. BOX 1273 CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY

Inspector: RANDAL MICK Permit Issued: 07/24/95 Well work Commenced: 09/28/95 Well work Completed: 11/02/95 Verbal Plugging Permission granted on: N/A Rotary X Cable Rig Total Depth (feet) 2358 Fresh water depths (ft) NOT RECORDED BY DRILLER. Salt water depths (ft) NOT RECORDED BY DRILLER. Is coal being mined in area (Y/N)? N Coal Depths (ft): PGH. COAL 1000' to 1005'

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement Fill Up Cu. Ft. Rows include 10 3/4" OD (240'), 8 5/8" OD (1413'), 7" OD (2115'), and 4 1/2" OD (2359').

OPEN FLOW DATA

Producing formation BIG INJUN SAND Pay zone depth (ft) 2232'-52' Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Final open flow 7,688 MCF/d Final open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure 400 psig (surface pressure) after 96 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED 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. Schaff Date: June 3, 1996

JUN 11 1996

RECEIVED

- 9/29/95 CLEANED OUT TO PLUGGED BACK TOTAL DEPTH = 2379' GL.
- 10/4/95 RAN 2359' G.L. OF 4 1/2" OD, K-55, 11.6 gpg CASING AND HALLIBURTON CEMENTED IT IN PLACE WITH 100' SKS.
- 10/5/95 INSTALLED A NEW 8 5/8" X 4 1/2", API 2000, NATIONAL-OILWELL WELLHEAD WITH 2-4 1/16", API 2000, BARTON GATE VALVES,
- 10/31/95 HALLIBURTON LOGGING PERFORATED THE 4 1/2" OD CASING FROM 2232' TO 2252' @ 6 SHOTS/FOOT.
- 11/1/95 HALLIBURTON FRACTURED THE BIG INJUN SAND WITH 500' gal OF 15% HCL, 556' gal OF GELLED WATER, 5,000# OF 80/100 SAND AND 25,000# OF 20/40 SAND,

FORMATION DEPTHS (FROM SERVICE COMPANY LOGS RUN BY HALLIBURTON LOGGING ON 10/2/95):

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>
PITTSBURGH COAL	1000'	1005'
GAS SAND	1656'	1684'
BIG LIME	2092'	2130'
BIG INJUN SAND	2130'	
CLEANED OUT TD	—	2379'
LOGGED TD	—	2386'

Liberty District, Marshall County, W. Va.
 Manufacturers Light & Heat Co., 800 Union Tr. Bldg., Pittsburgh, Pa.
 On 50 acres, surface owned by D. A. Williams, Cameron, W. Va.,
 and mineral rights by ML&H Co., Pittsburgh, Pa.

Drilled prior to June 1, 1929.

Elevation, 1218'.

14" conductor; 10" casing, 244' 10"; 8 1/2", 1478' 7"; 6-5/8",
 2121' 7"; 4" tubing, 1680'.

Coal was encountered at 650-654, 904-909, and 1004-1010'.

Abandonment reported to Dept. of Mines March 22, 1932.

MARS-39

	Top.	Bottom.
✓ Native coal	650	- 654
✓ Mapletown Coal	904	- 909
✓ Pittsburgh Coal	1004	- 1010
✓ Murphy Sand	1210	- 1238
✓ Little Dunkard Sand	1398	- 1412
✓ Big Dunkard Sand	1468	- 1520
✓ Gas Sand	1542	- 1571
✓ Salt Sand (gas pay, 1670') <i>(gas Sand)</i>	1654	
Total depth		1680

DRILLED DEEPER:

✓ Salt Sand	1680	- 1692
✓ Marton Sand	2040	- 2055
✓ Little Line	2062	- 2078
✓ Pencil Cave	2078	- 2100
✓ Big Line	2100	- 2147
✓ Big Injun Sand (gas, 2247-2254')	2147	- 2380
Sand	2400	- 2414
✓ 30-Ft. ? Sand <i>Line</i>	2755	- 2767
✓ 50-Ft. ? Sand	2925	- 2930
✓ Gordon Stray Sand (gas, 2950-2952')	2948	- 2954
Total depth		2969

*2969
 1680
 1289*

051 0039-W

FORM W-22 RECEIVED

STATE OF WEST VIRGINIA
WV Division of Environmental Protection
OFFICE OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

JUN 22 1995

Well Operator: ¹⁷⁵ COLUMBIA GAS TRANSMISSION CORP. 10450 (4) 278

Permitting Office of Oil & Gas Well Number: L-2207 3) Elevation: 1342'

Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production ___ / Underground Storage X /
Deep ___ / Shallow X /
371

Issued 07/24/95
Expires 07/24/99

Proposed Target Formation(s): BIG INJUN SAND

- 6) Proposed Total Depth: 2375 feet
- 7) Approximate fresh water strata depths: 100'
- 8) Approximate salt water depths: 1220'; 1400'
- 9) Approximate coal seam depths: 650'=654', 904'-909', 1004'-1010'
- 10) Does land contain coal seams tributary to active mine? Yes X / No ___ /
- 11) Proposed Well Work: CLEAN OUT TO T.D. INSTALL NEW 4-1/2" OD CASING & 4-1/2" X 8-5/8" WELLHEAD. PERFORATE AND FRACTURE THE BIG INJUN SAND.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						
EXISTING Fresh Water	10-3/4" OD	H-40	32.75#	240'	240'	118
EXISTING Coal	8-5/8" OD	J-55	24#	1413'	1413'	238
EXISTING Intermediate	7" OD	J-55	20#	2115'	2115'	295
PROPOSED Production	4-1/2" OD	K-55	11.6#	2375'	2375'	129
Tubing						
Liners						

38CSR18-111

PACKERS : Kind NONE
Sizes _____
Depths set _____

For Office of Oil and Gas Use Only

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

RECEIVED
WV Division of
Environmental Protection

JUN 22 1995

1) Date: 06/06/95
2) Operator's well number L-2207
3) API Well No: 47 - 051 - 00039 - 1
State - County - Permit

Permitting
Office of Oil & Gas
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 RALPH E. WILLIAMS
Address RT. 3, BOX 128B
WESTON, WV 26452
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name NONE
Address _____
(b) Coal Owner(s) with Declaration
Name CONSOLIDATION COAL CO.
Address 450 RACE TRACK ROAD
WASHINGTON, PA 15301
Name _____
Address _____

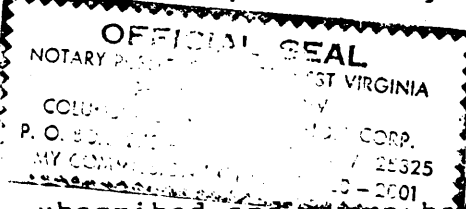
6) Inspector RANDAL MICK
Address 111 BLACKSHORE DR.
MANNINGTON, WV 26582
Telephone (304) - 986-3324

(c) Coal Lessee with Declaration
Name _____
Address _____

Copy of lease at Col. Dept Trans office for review
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 2 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: RICHARD L. COTY *Richard L. Coty*
Its: MANAGER - WELL SERVICES
Address P. O. BOX 1273
CHARLESTON, WV 25325-1273
Telephone 304-357-3034

Subscribed and sworn before me this 6th day of June, 19 95
Shylla M. Pruden Notary Public
My commission expires November 20, 2001