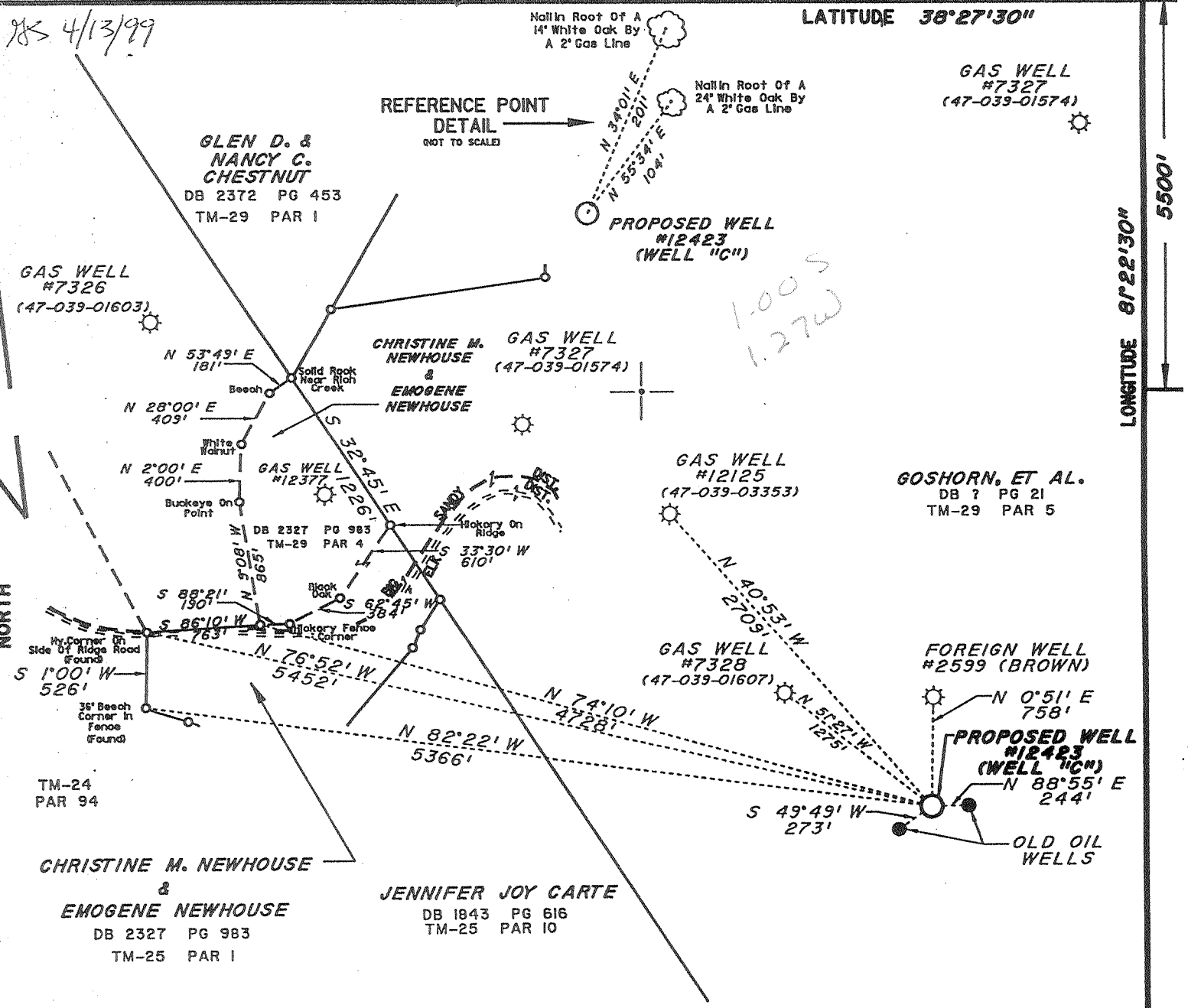


4/13/99

LATITUDE 38°27'30"

LONGITUDE 81°23'18"



Notes:

This Map is For Well Location Only & Does Not Represent A Complete Property Survey. LOCATION DETERMINED BY DIFFERENTIAL GPS

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

FILE NO. _____
 DRAWING NO. 12423
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION STANDARD DISK STAMPED V-7 ELEV. 614.6' SE WINGWALL OF CONC. ABUTEMENT OF RR BRIDGE ACROSS MOUTH OF BLUE CREEK

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) _____ R.P.E. _____ L.L.S. 819



**STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 SECTION OF OIL & GAS**



DATE FEBRUARY 19, 1999
 OPERATOR'S WELL NO. 12423
 API WELL NO. _____
47 039 5270 T
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1080' WATER SHED Two Mile Fork Of Falling Rock Creek
 DISTRICT Big Sandy COUNTY Kenawha
 QUADRANGLE Blue Creek COORDINATES LAT: 38°26'35" LONG: 81°23'56"
 SURFACE OWNER Goshen, Et Al. ACREAGE 348
 OIL & GAS ROYALTY OWNER James F. Brown III (Trustee) Et Al. LEASE ACREAGE 340
 COAL OWNER James F. Brown III (Trustee) Et Al. LEASE NO. 49097
 PROPOSED WORK: DRILL & 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 Oriskany ESTIMATED DEPTH 5550'
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L COTY
 ADDRESS PO Box 1273, Charleston, WV ADDRESS PO Box 1273, Charleston, WV
25325-1273 25325-1273

DEEP WELL 7-0 217 APR 19 1999

KANAWHA COUNTY NAME PERMIT 5270 F

WR-35
General Permits
Permitting

FEB 25 2000

WV Division of
Environmental Protection

14-Apr-99

API # 47- 39-05270 T

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

K

Farm name: BROWN, JAMES F III TRUSTEE Operator Well No.: COCO "C" 12423

LOCATION: Elevation: 1,080.00 Quadrangle: BLUE CREEK

District: BIG SANDY County: KANAWHA
Latitude: 5500 Feet South of 38 Deg. 27Min. 30 Sec.
Longitude 6800 Feet West of 81 Deg. 22 Min. 30 Sec.

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

Agent: RICHARD L. COTY

Inspector: CARLOS HIVELEY
Permit Issued: 04/16/99
Well work Commenced: 9/22/99
Well work Completed: 10/22/99
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 5552'
Fresh water depths (ft) N/A

Salt water depths (ft) 1155'

Is coal being mined in area (Y/N)? No
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	274'	274'	Cemented to surface w/165 sx Neat
8-5/8"	2392'	2392'	Cemented to surface w/100 sx Neat 320 sx Mid App
5-1/2"	5420'	5420'	160 sx Neat
2-3/8"	5418'	5418'	

OPEN FLOW DATA * Gas Storage - open flows and pressures fluctuate seasonally.

Producing formation Oriskany Sandstone Pay zone depth (ft) 5463'-5505'
 Gas: Initial open flow - MCF/d Oil: Initial open flow - Bbl/d
 Final open flow - MCF/d Final open flow - Bbl/d
 Time of open flow between initial and final tests - Hours
 Static rock Pressure - psig (surface pressure) after - Hours

Second producing formation - Pay zone depth (ft) -
 Gas: Initial open flow - MCF/d Oil: Initial open flow - Bbl/d
 Final open flow - MCF/d Final open flow - Bbl/d
 Time of open flow between initial and final tests - Hours
 Static rock Pressure - psig (surface pressure) after - 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: John V. McCallister
COLUMBIA GAS TRANSMISSION CORP.
By: John V. McCallister, Sr. Storage Eng.
Date: 02/03/00

KAN 5270T

MAR 2 2000
MAR 3 2000

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Comments</u>
Salt Sands	1085'	1510'	
Big Lime	1750'	1892'	
Weir	2089'	2133'	Show of oil at 2100'
Sunbury	2291'	2306'	
Onondaga	5355'	5463'	
Oriskany	5463'	5505'	
Helderberg	5505'	-	
	TD @ 5552'		

10/19/99

Fractured Oriskany Sandstone with Delta Frac using 435 bbls of water, 271 sks of 20/40 sand, and 219,900 scf N2.