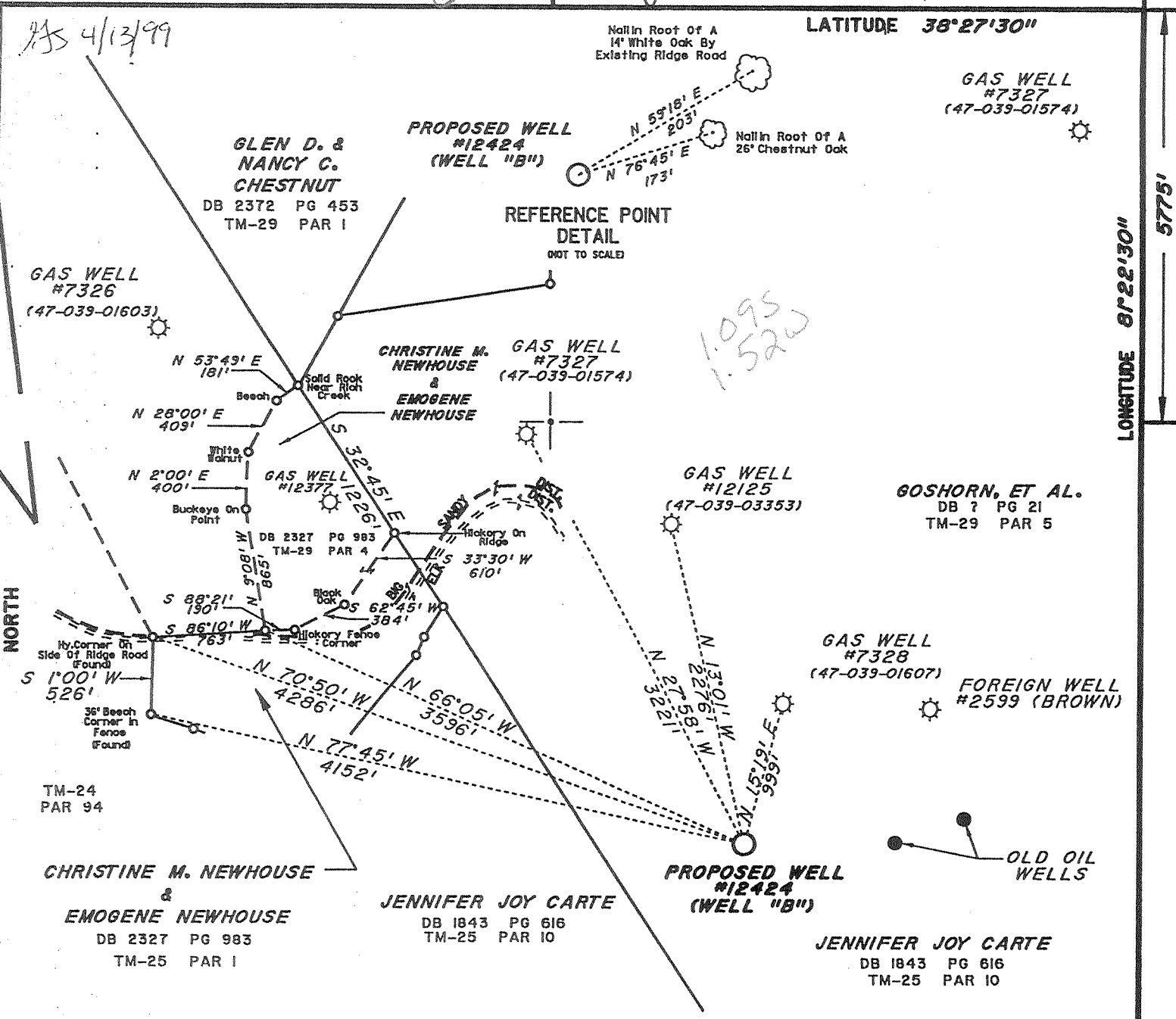


AS 4/13/99

LATITUDE 38°27'30"

LONGITUDE 81°22'30" 5775'



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. 12424
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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT 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. 12424
API WELL NO. _____

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

LOCATION: ELEVATION 1208' WATER SHED Rich Creek Of Elk River
DISTRICT Big Sandy COUNTY Kanawha
QUADRANGLE Blue Creek COORDINATES LAT: 38°26'33" LONG: 81°24'12"

SURFACE OWNER Goshorn, 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 X 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 5700'
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

KAWAHA COUNTY NAME PERMIT 5269 F

DEEP WELL

9-0 517

WR-35 RECEIVED
Office of Oil & Gas
Permitting

FEB 25 2000

WV Division of
Environmental Protection

14-Apr-99
API # 47- 39-05269 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" 12424

LOCATION: Elevation: 1,208.00 Quadrangle: BLUE CREEK

District: BIG SANDY County: KANAWHA
Latitude: 5775 Feet South of 38 Deg. 27Min. 30 Sec.
Longitude 8100 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: 9/7/99
Well work Completed: 10/15/99
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 5665'
Fresh water depths (ft) N/A

Salt water depths (ft) 1265'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	272'	272'	Cmt to surface w/ 165 sx Neat
8-5/8"	2511'	2511'	Cmt to surface w/ 100 sx Neat 320 sx Mid App
5-1/2"	5549'	5549'	160 sx Neat
2-3/8"	5548'	5548'	

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

Producing formation Oriskany Sandstone Pay zone depth (ft) 5596'-5638'
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.

John V. McCallister
For: COLUMBIA GAS TRANSMISSION CORP.
By: John V. McCallister
Date: 02/03/00

KAN 5269 T

MAR 3 2000

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>
Salt Sands	1190'	1633'
Big Lime	1886'	2044'
Weir	2223'	2281'
Sunbury	2436'	2450'
Onondaga	5467'	5596'
Oriskany	5596'	5638'
Helderberg	5638'	-
	TD @	5665'

10/12/99

Stimulated Oriskany Sandstone w/ Delta Frac using 461 bbls of water, 286 sks of 20/40 sand, and 198,000 scf N2 @ 3900 psig @ 15 bpm.