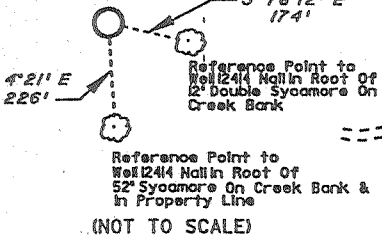


REFERENCE POINT DETAIL

PROPOSED LOCATION 12414



GAS WELL #7289 (47-035-00529) LATITUDE 38°52'30"

CARL N. & DONNA JEAN ISNER
DB 181 PG 449
TM-8 PAR 32

RAYMOND H. PUCKETT TRUST
WB 30 PG 701
TM-8 PAR 28

FREDA MAY PRICE
TM-8 PAR 28

ERNEST E. & BERNICE BONDY
TM-8 PAR 38

MIF CLYDE & KATHYRN WALTERS
TM-8 PAR 38

GAS WELL #7308 (47-035-00539)

JAMES A. & LARKIN H. WALKER
DB 319 PG 461
TM-8 PAR 41

PROPOSED LOCATION 12414

LUCILLE L. KETTLE
DB 93 PG 307
TM-8 PAR 50

WADE O. & EVELYN SALLAZ
DB 211 PG 149
TM-13 PAR 1

BM-USGS STANDARD DISC
STAMPED T-103 1956
ELEV. 639'

LOCATION DETERMINED BY
DIFFERENTIAL GPS

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

FILE NO. _____
DRAWING NO. 12414
SCALE 1" = 400'
MINIMUM DEGREE OF
ACCURACY 1/200
PROVEN SOURCE OF
ELEVATION SEE NOTE ABOVE

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

PLACE SEAL HERE

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



DATE MARCH 29, 1999
OPERATOR'S WELL NO. 12414
API WELL NO. _____

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

LOCATION: ELEVATION 605' WATER SHED Left Fork Of Sycamore Creek
DISTRICT Ripley COUNTY Jackson
QUADRANGLE Ripley COORDINATES LAT: 38°50'38" LONG: 81°41'56"

SURFACE OWNER James A. & Larkin H. Walker ACREAGE 108
OIL & GAS ROYALTY OWNER H. J. & E. T. Walker Et Al. LEASE ACREAGE 108
COAL OWNER H. J. & E. T. Walker Et Al. LEASE NO. 1051829

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 5000'
WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD MCOTY 7 1999
ADDRESS PO Box 1273, Charleston, WV ADDRESS PO Box 1273, Charleston, WV
25325-1273 25325-1273

JACKSON COUNTY NAME

PERMIT 21464-T

DEEP WELL

9-0 192

WR-35

RECEIVED
Office of Oil & Gas
Permitting

OCT 18 1999

WV Division of

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

14-May-99
API # 47- 35-02464 T

Reviewed _____

Farm name: WALKER, LAKIN

Operator Well No.: 12414

LOCATION: Elevation: 605.00 Quadrangle: RIPLEY

District: RAVENSWOOD County: JACKSON
Latitude: 11250 Feet South of 38 Deg. 52Min. 30 Sec.
Longitude 9100 Feet West of 81 Deg. 40 Min. 0 Sec.

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

Agent: RICHARD L. COTY

Inspector: HOMER DOUGHERTY
Permit Issued: 05/14/99
Well work Commenced: 07/19/99
Well work Completed: 08/19/99
Verbal Plugging _____
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 4870'
Fresh water depths (ft) _____
Not Reported
Salt water depths (ft) _____
Not Reported
Is coal being mined in area (Y/N)? No
Coal Depths (ft): Not Reported

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.	
11-3/4", 42 lb.		280'	320 sx	Surface Neat to
8-5/8", 32 lb.		2362'	100 sx	To Surface Mid App 223 Neat
5-1/2", 17 lb.		4758'	160 sx	Neat
2-3/8", 4.6 lb.		4765'		

OPEN FLOW DATA * Storage well - rates and pressures vary.

Producing formation Oriskany Pay zone depth (ft) 4797' - 4832'
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure N/A psig (surface pressure) after N/A 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: COLUMBIA GAS TRANSMISSION CORP.
By: Paul C. Amick Paul C. Amick/Sr. Storage Eng.
Date: October 11, 1999

NOV 1 1999

JAC 2464 T

<u>Formation</u>	<u>Top (MD)</u>	<u>Bottom (MD)</u>
Salt Sands	1554'	1669'
Big Lime	1677'	1807'
Injun	1835'	1877'
Sunbury	2264'	2298'
Berea	2288'	2302'
Onondaga	4694'	4797'
Oriskany	4797'	4832'
Helderberg	4832'	Not Penetrated
TD		4870'

Pumped an N2-Assist Deltafrac Treatment using 500 gallons of 28% HCL, 543 bbls of water, 172 MSCF N2, and 31,700 lbs of 20/40 sand.