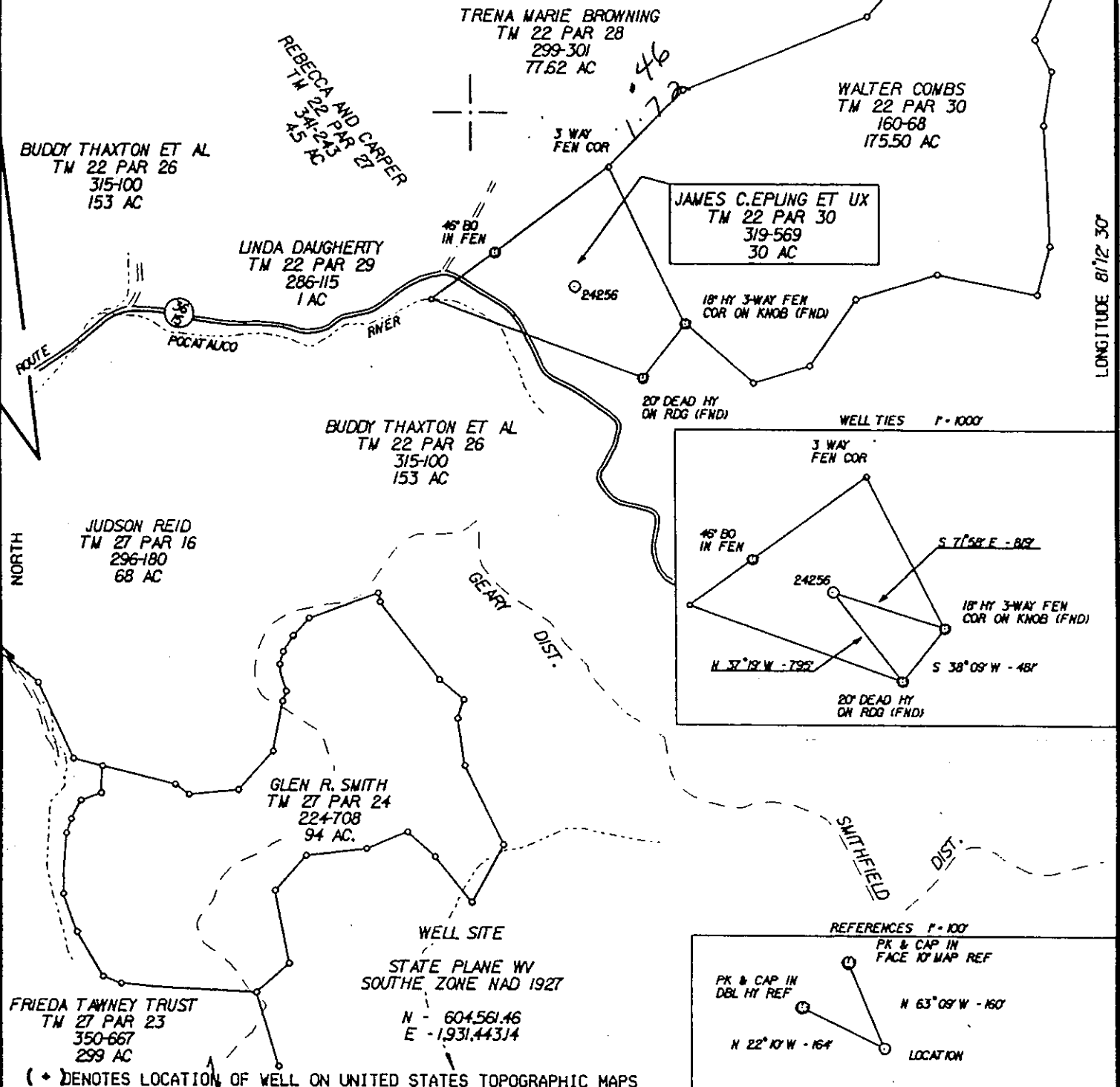


9.030'

LATITUDE 38° 40'

2.425'

NOTE: NEAREST LEASE BOUNDARY IS GREATER THAN 400'



(+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS)

FILE NO. CNR24256(CT-20)DGN
 DRAWING NO. CNR 24256
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION SPOT ELEV. (954') RD. INTERS. WEST OF LOCATION

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) Paul E. Miller
 R.P.E. _____ L.L.S. 647

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION

DATE FEBRUARY 1, 2000
 OPERATOR'S WELL NO. 24256
 API WELL NO. 47 087 04261
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1020' WATER SHED POCATULCO RIVER
 DISTRICT SMITHFIELD COUNTY ROANE
 QUADRANGLE TARIFF, WV 7.5'

SURFACE OWNER JAMES C. EPLUNG ET UX ACREAGE 30
 OIL & GAS ROYALTY OWNER JAMES C. EPLUNG ET UX LEASE ACREAGE 30
 LEASE NO. 1213458

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, TUSCARORA, TRENTON BR., BEEKMANTOWN, COPPER RIDGE ESTIMATED DEPTH _____
 WELL OPERATOR COLUMBIA NATURAL RESOURCES, INC. DESIGNATED AGENT W.A. WATSON, JR.
 ADDRESS PO BOX 6070, CHARLESTON, WV 25362 ADDRESS SAVE

COUNTY NAME ROANE
PERMIT 4261

DEEP WELL

S-S O

FEB 23 2000

DEEP

ALB

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

Farm name: J&M EPLING
Location Elevation: 1,020'
District: SMITHFIELD

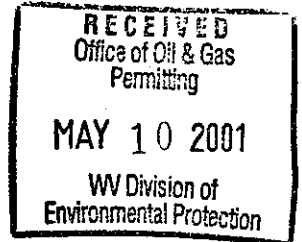
Operator Well No: 824256
Quadrangle: TARIFF, WV 7.5
County: ROANE

COLUMBIA NATURAL RESOURCES	Casing & Tubing	Used in drilling	Left in Well	Cement fill up Cu.Ft.
Address: P. O. Box 6070 Charleston, WV 25362-0070	20"		200	300
Agent: Thomas Blake				
Inspector: Homer Dougherty	13 3/8"		2,037	2,105
Date Permit Issued: 2/24/00				
Date Well work commenced: 6/2/00	9 5/8"		6,006	354
Date Well Work completed: 12/17/00				
Verbal Plugging:	7"		9,586	865
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>	4 1/2"		9,770	N/A
Total Depth (feet): 10,205				
Fresh Water Depth (ft): 80'				
Salt Water Depth (ft.): 1,330				
Is coal being mined in area (N <input checked="" type="checkbox"/> Y <input type="checkbox"/>)				
Coal Depths (ft): N/A				

OPEN FLOW DATA

Producing formation: Trenton/Blk River Pay zone depth(ft) from 9,586' to 10,205 ***

Gas: Initial open flow 200 MMCF/d Oil: Initial open flow Bbl/d
Final open flow 200 MMCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock Pressure 5,850 psig (surface pressure) after 24 Hours



2nd producing formation: Pay zone depth (ft) from to ; from to

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

3rd producing formation: Pay zone depth (ft) from to ; from to

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

*** Well was completed open hole with a natural flow.

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.

WELL OPERATOR: COLUMBIA NATURAL RESOURCES, INC.

By: [Signature] Date: 5/1/01 Copies to: [initials]

Region
Area -
Geology

MAY 18 2001

ROA 4201

Columbia Natural Resources, Inc.
EPLING 24256

47-087-24261
Smithfield District, Roane County, WV

All depths are measured

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>
Shale & siltstone	0	1476
Salt Sand	1476	1782
Shale	1782	1830
Little Lime	1830	1872
Big Lime	1872	1976
Injun	1976	2030
Pocono Shale	2030	2334
Sunbury Shale	2334	2354
Berea	2354	2358
U. Devonian Shale	2358	3476
Lower Huron	3476	4664
L. Devonian Shale	4664	4798
Lower Alexander	4798	4867
L. Devonian Shale	4867	5238
Rhinestreet	5238	5668
Marcellus	5668	5702
Onondaga	5702	5862
Oriskany	5862	5920
Helderberg	5920	6254
Salina	6254	6852
Newburg	6852	6968
McKenzie	6968	7212
Rose Hill	7212	7676
Tuscarora	7676	7780
Juniata (red)	7780	8380
Martinsburg (gray)	8380	9782
Trenton	9782	9940
Black River	9940	TD

