



FILE NO. CNR24319TAN61DGN
 DRAWING NO. CNR 824319
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION USGS BM (690') SW 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 ENVIRONMENTAL PROTECTION.
 (SIGNED) [Signature]
 R.P.E. _____ L.L.S. 647

PLACE SEAL HERE

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

DATE MARCH 02, 2000
 OPERATOR'S WELL NO. 824319
 API WELL NO. _____

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

LOCATION: ELEVATION 1092' WATER SHED BIG LAUREL CREEK OF KIAH CREEK
 DISTRICT STONEWALL COUNTY WAYNE
 QUADRANGLE KIAHSVILLE, WV 7.5'

SURFACE OWNER ROMA MADELINE CURRY CRAWFORD ACREAGE 146.13
 OIL & GAS ROYALTY OWNER COLUMBIA NATURAL RESOURCES, INC. LEASE ACREAGE 60.50628
 LEASE NO. FEE LANDS

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION BLACK RIVER, BEEKMANTOWN, TRENTON ESTIMATED DEPTH 9.869'
 WELL OPERATOR COLUMBIA NATURAL RESOURCES, INC. DESIGNATED AGENT W.A. WATSON, JR.
 ADDRESS P.O. BOX 6070, CHARLESTON, WV 25362 ADDRESS SAME

COUNTY NAME WAYNE
 PERMIT 2037

DEEP WELL 3-D Ham-fall Creek 232 8/11/2000

DEEP

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

Farm name: Roma Madeline Crawford
 Location Elevation: 1092'
 District: Stonewall

Operator Well No: 824319
 Quadrangle: Kiahsville
 County: Wayne

COLUMBIA NATURAL RESOURCES	Casing & Tubing	Used in drilling	Left in Well	Cement fill up Cu.Ft.
Address: P.O. Box 6070	26"	17	17	240
Charleston, WV 25362	20"	408	408	630
Agent: Michael A. John	13 3/8"	2041	2041	1830
Inspector: D. Belcher/G. Scites	9 5/8"	4127	4127	354
Date Permit Issued: 8/09/00	7"	6572	6572	565
Date Well work commenced: 10/08/00				
Date Well Work completed: 12/18/00				
Verbal Plugging: Plug Back				
Date Permission granted on: 12/16/00				
Rotary X Cable Rig				
Total Depth (feet): 9282'				
Fresh Water Depth (ft): N/A				
Salt Water Depth (ft.): 1300'				
Is coal being mined in area (Yes)				
Coal Depths (ft): N/A				

OPEN FLOW DATA
 (See Attachment)

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

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

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: Robert E. Schindler
 Robert E. Schindler, Technical Administrator

Date: 7/20/04

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JUL 23 2004

MAY 2037

Columbia Natural Resources
 Columbia Natural Resources Fee Land #824319
 Stonewall District, Wayne County, West Virginia
 47-099-02037
 GL 1092 ft/KB 1112 ft

Formation	Top	Bottom
Siltstone & shale	0	992
— Salt sand	992	1100
Siltstone & shale	1100	1182
— Salt sand	1182	1400
Siltstone & shale	1400	1602
— Maxon sand	1602	1660
Shale	1660	1679
— Little Lime	1679	1718
— Big Lime	1718	1914
Shale	1914	1968
— Squaw sand	1968	1984
Shale	1984	2024
— Weir siltstone	2024	2058
Shale	2058	2500
— Coffee shale	2500	2524
— Berea siltstone	2524	2540
— Devonian shale	2540	3366
— Lower Huron shale	3366	3588
— Java shale	3588	3780
— Rhinestreet shale	3780	3942
— Marcellus shale	3942	3966
— Onondaga lime	3966	4196
— Salina dolomite & shale	4196	4729
— Big Six sand	4729	4750
— Rose Hill shale	4750	5060
— Tuscarora sand	5060	5178
— Juniata Shale	6746	5385
— Martinsburg shale	5385	6436
— Trenton limestone	6436	6766
— Black River limestone	6766	7488
— Wells Creek limestone & dolomite	7488	8234
— St. Peter sandstone	8234	8294
— Beekmantown dolomite	8294	9010
— Rose Run sandstone	9010	9170
— Copper Ridge dolomite	9170	9260 LTD

No measurable shows in open hole interval 6572' - TD

Columbia Natural Resources
Roma Madeline Crawford #824319
Stonewall District, Wayne County, West Virginia
47-099-2037

Well was logged and plugged back for a potential kick. All casing was left in hole. Well was plugged back as follows:

Surface – 6509'	Gel
6509' – 7057'	Cement
7057' – 8159'	Gel
8159' – 8359'	Cement with Latex
8359' – 8951'	Gel
8951' – 9251'	Cement with Latex
9251' – 9282'	Fill

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WV Department of
Environmental Protection

WAY
2037

AUG 13 2004