

FILE NO. CNR24579(SWEET\*10).DGN  
 DRAWING NO. CNR 824579  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION TBM ELEV=996.62'  
RD. INT. 900' + NE 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 ENVIRONMENTAL PROTECTION  
 OIL AND GAS DIVISION

DATE JANUARY 22, 2001  
 OPERATOR'S WELL NO. 824579  
 API WELL NO. 47 043 03137  
 STATE 47 COUNTY 043 PERMIT 03137

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

LOCATION: ELEVATION 992.50' WATER SHED BLUELICK BRANCH OF SIXMILE CREEK  
 DISTRICT SHERIDAN COUNTY LINCOLN  
 QUADRANGLE BRANCLAND, WV T.5'

SURFACE OWNER WILLIS E. KISER, ET. AL. ACREAGE 236.92  
 OIL & GAS ROYALTY OWNER COLUMBIA NATURAL RESOURCES, INC. LEASE ACREAGE \_\_\_\_\_  
 LEASE NO. FEE LANDS

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 \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR COLUMBIA NATURAL RESOURCES, INC. DESIGNATED AGENT W.A. WATSON, JR.  
 ADDRESS P.O. BOX 6070, CHARLESTON, WV 25362 ADDRESS SAME

DEEP WELL 1-1 0 APR 06 2001

*DEP*

DATE: October 29, 2001

API: 47-043-03137

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

*AB*

Farm name : Willis E. Kiser et. Al.  
Location Elevation: 992'  
District: Sheridan

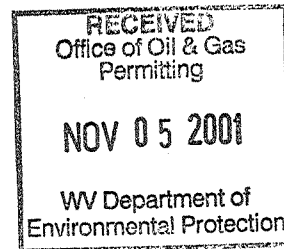
Operator Well No: 824579  
Quadrangle: Branchland  
County: Lincoln

COLUMBIA NATURAL RESOURCES	Casing & Tubing	Used in drilling	Left in Well	Cement fill up Cu.Ft.
Address: P.O. Box 6070	30"	20'	20'	9 yds.
Charleston, WV 25362	20"	342'	342'	885 cu. ft.
Agent: Thomas H. Blake	13 3/8"	1729'	1729'	1764 cu. ft.
Inspector : David Belcher	9 5/8"	4164'	4164'	354 cu. ft.
Date Permit Issued: 4/02/01	7"	6534'	6534'	552 cu. ft.
Date Well work commenced: 5/22/01				
Date Well Work completed : 9/13/01				
Verbal Plugging:				
Date Permission granted on:				
Rotary x Cable Rig				
Total Depth (feet): 8,053				
Fresh Water Depth (ft): 200				
Salt Water Depth (ft.): 1100				
Is coal being mined in area : No				
Coal Depths (ft): NA				

**OPEN FLOW DATA**

**Producing formation: Trenton/ Black River:** Pay zone depth (ft) from 6534 to 8053 Open-hole Completion

Gas: Initial open flow 223 MCF/d Oil: Initial open flow : Bbl/d  
Final open flow MCF/d Oil: Final open flow : Bbl/d  
Time of open flow between initial and final tests 72 Hours  
Static rock Pressure : 1993psig (surface pressure) after 72 Hours



**2nd producing formation:**

Pay zone depth (ft) from to  
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d  
Final open flow MCF/d Oil: 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  
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d  
Final open flow MCF/d Oil: 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: *[Signature]* Date: 10/30/01

NOV 09 2001

LIN 3137

Columbia Natural Resources, Inc.  
FEE LAND #24579

47-043-03137

Sheridan District, Lincoln County, WV

All depths are measured

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>
Shale & siltstone	0	852
Salt Sand	852	1296
Shale	1296	1390
Maxon	1390	1423
Shale	1423	1474
Little Lime	1474	1535
Big Lime	1535	1694
Injun	1694	1758
Pocono Shale	1758	2224
Sunbury Shale	2224	2242
Berea	2242	2256
U. Devonian Shale	2256	3210
Lower Huron	3210	3506
L. Devonian Shale	3506	3782
Rhinestreet	3782	3904
Marcellus	3904	3937
Onondaga	3937	4072
Oriskany	4072	4086
Helderberg	4086	4286
Salina	4286	4760
Keefer	4760	4790
Rose Hill	4790	56184
Tuscarora	56184	5308
Juniata	5308	5650
Martinsbg	5650	6636
Trenton	6636	6858
Black River	6858	7654
Wells Creek	7654	TD

