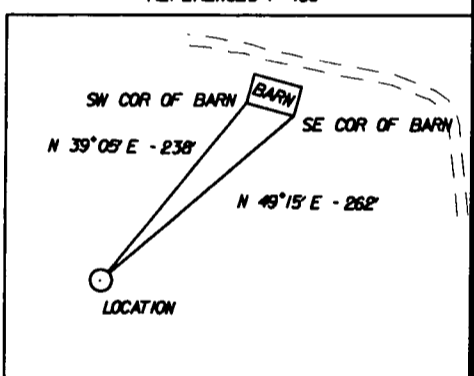
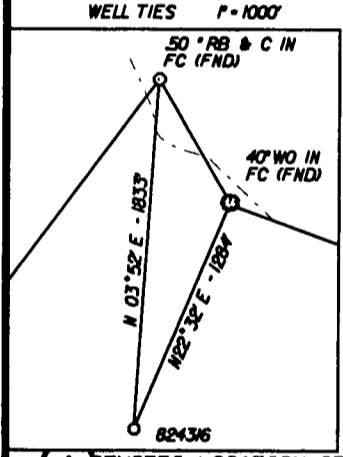
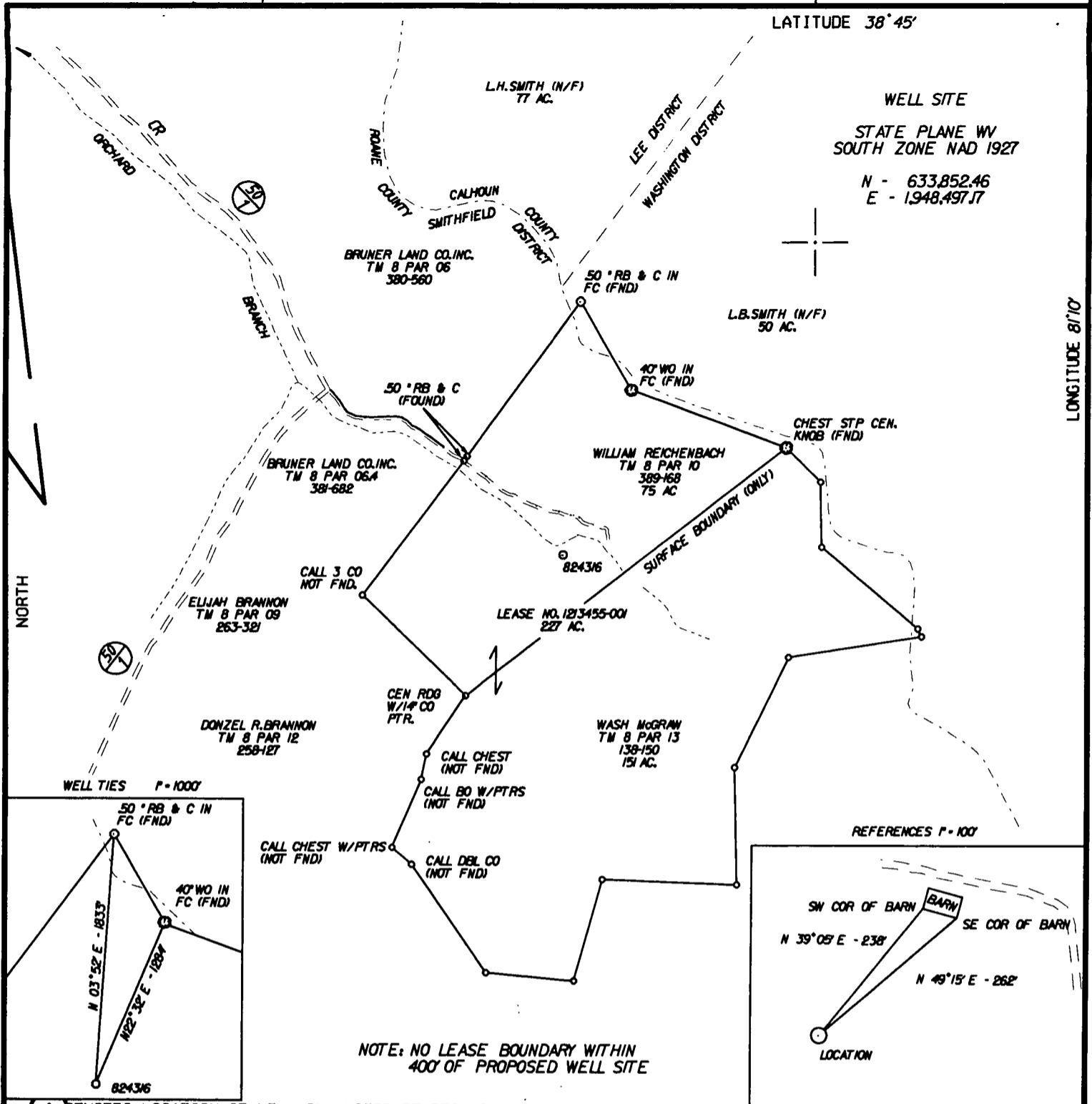


ALB

3,965'

LONGITUDE 81°08'



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

FILE NO. CNR24316(CT-B).DGN
 DRAWING NO. CNR 824316
 SCALE P - 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION SPOT ELEV. (719) @ RD.
INTERS. @ NO. OF ORCHARD BR.

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) [Signature]
 R.P.E. _____ L.L.S. 647

PLACE SEAL HERE

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

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

LOCATION: ELEVATION 925' WATER SHED ORCHARD RUN OF HENRY FORK
 DISTRICT SMITHFIELD COUNTY ROANE
 QUADRANGLE TARIFF, WV 7.5'

SURFACE OWNER WILLIAM REICHENBACH ACREAGE 75
 OIL & GAS ROYALTY OWNER PAUL BRANNON ET AL LEASE ACREAGE 227
 LEASE NO. 1213455-001

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 TRENTON, BLACK RIVER, COPPER RIDGE ESTIMATED DEPTH 12130'
 WELL OPERATOR COLUMBIA NATURAL RESOURCES, INC. DESIGNATED AGENT W.A. WATSON, JR.
 ADDRESS PO BOX 6070, CHARLESTON, WV 25362 ADDRESS SAME

DATE MAY 04, 2000
 OPERATOR'S WELL NO. 824316
 API WELL NO. 47 087 04276
 STATE COUNTY PERMIT

9-AM 8/01

COUNTY NAME PERMIT

Office of Oil and Gas
1356 Hansford Street
Charleston, WV 25301
Phone: (304) 558-6075
Fax: (304) 558-6047

West Virginia Department of Environmental Protection

Bob Wise,
Governor

August 20, 2004

Stephanie R. Timmermeyer,
Cabinet Secretary

FINAL INSPECTION REPORT

WELL PLUGGING PERMIT RELEASED

COLUMBIA NATURAL RESOURCES, LLC,

The FINAL INSPECTION REPORT for the permit, API Well Number: 47-8704276, issued to COLUMBIA NATURAL RESOURCES, LLC, and listed below has been received in this office. Your Affidavit of Plugging was received and reclamation requirements approved. The well designated by the permit number below has been released under your bond.



JAMES MARTIN
Chief,
Office of Oil and Gas

Operator: COLUMBIA NATURAL RESOURCES, LLC
Operator's Well No: 824316
Farm Name: REICHENBACHM WILLIAM
API Well Number: 47-8704276
Date Issued: 10/02/2001

Columbia Natural Resources Inc.

47-087-04276

Well # 824316

- 5/29/01 L.O. of Well 11532 ft. + Dry Hole.
Gave Permission to start Plugging well.
- 6/1/01 through 6/6/01 Was in and on Plugging
During Cementing + Cutting of $9\frac{5}{8}$ " + 7 " pipe
at feed points and spotting of plugs as per
supplement sheets.
- 12/31/02 Reclamation OK to Release on
Road + Location.



Office of Oil and Gas
1356 Hansford Street
Charleston, WV 25301
Phone: (304) 558-6075
Phone: (304) 558-6076
Fax: (304) 558-6047

West Virginia Department of Environmental Protection

Bob Wise,
Governor

Michael O. Callaghan
Secretary

October 02, 2001

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8704276, issued to COLUMBIA NATURAL RESOURCES, INC., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-654-3312 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given.

Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

If there are any questions, please free to contact me or Mr. Al Blankenship at 304-558-6342.

This permit will expire in two (2) years from date of issue.

James Martin
Interim Chief,
Office of Oil and Gas

Operator's Well No: 824316

Farm Name: REICHENBACHM WILLIAM

API Well Number: 47-8704276

Permit Type: Plugging

Date Issued: 10/02/2001

ISSUE

Form WW-4 (B)
Observe
File Copy
(Rev. 5/99)

- 1) Date: August 13, 2001
- 2) Operators well number
824316
- 3) API Number 47 - 087 - 4276

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil / Gas X/ Liquid Injection / Waste disposal /
(If "Gas, Production X or Underground storage) Deep x/ Shallow
- 5) Location: Elevation 925' Watershed: Orchard Run of Henry Fork
District Smithfield County Roane Quadrangle Tariff
- 6) Well Operator COL. NATURAL RESOURCES 7) Designated Agent Thomas Blake
Address 900 PENN. AVENUE Address SAME AS OPERATOR
CHARLESTON, WV 25302
- 8) Oil & Gas Inspector to be notified 9) Plugging Contractor
Name Homer Dougherty Name - Union Drilling
Address 1258 Flat Fork Address: P.O. Box 40
Looneyville, WV 25259 Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:

- 1. Well is full of 3% Kcl water and is to be p&a as a dry hole with rotary drilling rig on site.
- 2. TIH w/DP to 11,106' & spot 6% gel in hole.
- 3. Spot 110 sks 65/35 Class H/Poz cmt from 11,106' - 10,606'.
- 4. Pull D.P. to 10,311', spot 115 sks 65/35 Class H/Poz from 10,311' - 9,811'.
- 5. Pull D.P. to 8,058', spot 35 sks 65/35 Class H/Poz from 8,058' - 7,818'.
- 6. Pull D.P. out of hole.
- 7. Free point & cut 7" csg @ approximately 4,400'.
- 8. Pull 7" csg.
- 9. Free point & cut 9 5/8" csg @ approximately 4,319'.
- 10. Pull 9 5/8" csg.
- 11. TIH w/D.P. to 4,319', spot 6% gel in hole.
- 12. Spot 200 sks Class A cmt from 4,319' - 4,120'.
- 13. Pull D.P. to 2,224' - spot 144 sks Class A cmt from 2,224' - 2,024'.
- 14. Pull D.P. to 1,584', spot 146 sks Class A cmt from 1,584' - 1,389'.
- 15. Pull D.P. to 525', spot 199 sks Class A cmt from 525' - 250'.
- 16. Pull D.P. out of hole.
- 17. Bail fluid out of hole to 125'
- 18. Set bridge @ 125'.
- 19. Fill from 125' to surface w/4 yds of ready-mix.
- 20. Erect monument as prescribed by law. w/API*

RECEIVED
Office of Oil & Gas
Permitting

SEP 20 2001

WV Department of
Environmental Protection

*This well plugged
per verbal by
HD*

HS

Notification must be given to district Oil & Gas Inspector 24 hours before permitted work can commence.

Inspector Approved As Is H. H. Dougherty 8/20/01

Approved With Changes Noted _____

\$100.
CK #5010027193

Office of Oil and Gas
1356 Hansford Street
Charleston, WV 25301
Phone: (304) 558-6075
Fax: (304) 558-6047

West Virginia Department of Environmental Protection

Bob Wise,
Governor

Stephanie R. Timmermeyer,
Cabinet Secretary

August 20, 2004

FINAL INSPECTION REPORT

WELL PERMIT RELEASED

COLUMBIA NATURAL RESOURCES, LLC,

The FINAL INSPECTION REPORT for the permit, API Well Number: 47-8704276, issued to COLUMBIA NATURAL RESOURCES, LLC, and listed below has been received in this office, and reclamation requirements approved. The well designated by the permit number below has been released under reclamation and will remain under your bond.



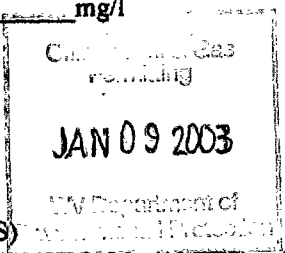
JAMES MARTIN
Chief,
Office of Oil and Gas

Operator: COLUMBIA NATURAL RESOURCES, LLC
Operator's Well No: 824316
Farm Name: REICHENBACHM WILLIAM
API Well Number: 47-8704276
Date Issued: 05/16/2000

DATE STARTED/LOCATION: 3/15/01 API# 47-087-04276 WELL NO. 82436
 DRILLING COMMENCED: 4/13/01 OPERATOR: Columbia Natural Resources Inc
 TD DATE: 5/29/01 DEPTH: 11532 FARM: William Reichen Bachan
 WATER DEPTHS _____ COAL DEPTHS _____

1. IS THE OPERATOR KEEPING DETAILED DRILLING AND CEMENT RECORDS: YES [] NO [] (6 PTS) 6
 RAN 206 FEET OF 20" PIPE ON 4/14/01 CEMENTED WITH 520 SACKS (CIRCULATED) YES [] NO []
 RAN 2152 FEET OF 13 3/8" PIPE ON 4/26/01 CEMENTED WITH 1100 SACKS (CIRCULATED) YES [] NO []
 RAN 2052 FEET OF 9 3/8" PIPE ON 5/16/01 CEMENTED WITH 350 SACKS (CIRCULATED) YES [] NO []
 RAN 996 FEET OF 7" PIPE ON _____ CEMENTED WITH 925 SACKS (CIRCULATED) YES [] NO []
 RAN _____ FEET OF _____" PIPE ON _____ CEMENTED WITH _____ SACKS (CIRCULATED) YES [] NO []
 RAN _____ FEET OF _____" PIPE ON _____ CEMENTED WITH _____ SACKS (CIRCULATED) YES [] NO []
 PIT DISCHARGE DATE: _____ TYPE: _____ (LAND, DISPOSAL WELL, RE-USE, ETC.) API # _____
 ACRES DISCHARGED: _____ : PIT VOLUME: _____ PIT ADDITIVES _____
 FIELD ANALYSIS: pH _____ Fe _____ mg/l Cl _____ mg/l D.O. _____ mg/l TOC _____ mg/l

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-6,7,27 and 28 AND REGULATION 35CSR 4-9.2.3, 35CSR 4-12.1, 35CSR-4-16-5 AND 35CSR4-16-6.



2. DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:
 A. CONSTRUCTION YES [] NO [] (2 PTS) B. DRILLING YES [] NO [] (2 PTS)
 C. PIT TREATMENTS YES [] NO [] (2 PTS) D. PIT DISCHARGE YES [] NO [] (2 PTS)
 E. RECLAMATION YES [] NO [] (2 PTS)
 POINTS AVAILABLE FOR QUESTION 2: (10 PTS) 10

3. DID THE OPERATOR HAVE PERMIT ON SITE? YES [] NO [] (4 PTS) 4

4. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES [] NO [] (4 PTS) 4

5. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES [] NO [] (4 PTS) 4

6. WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAINED?
 A. ROAD DITCHES YES [] NO [] (3PTS) / B. CROSS DRAINS YES [] NO [] (3PTS)
 C. CULVERTS YES [] NO [] (3PTS) D. CREEK CROSSINGS YES [] NO [] (3PTS)
 E. DIVERSION DITCHES YES [] NO [] (3PTS) F. BARRIERS YES [] NO [] (3PTS)
 G. TEMPORARY SEEDING YES [] NO [] (3PTS)
 POINTS AVAILABLE FOR QUESTION 6: (21 PTS) 13

7. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES [] NO [] (2 PTS) 2

8. IS THE WELL STAKE IN THE PROPER SPOT IN ACCORDANCE WITH 35CSR4-9.2.c AFTER CONSTRUCTION? YES [] NO [] (3 PTS) 3

9. IS THE PIT PROPERLY INSTALLED AND MAINTAINED? YES [] NO [] (6 PTS) 6

10. IS EQUIPMENT AND SITE BEING PROPERLY MAINTAINED TO PREVENT SPILLS? YES [] NO [] (3PTS) 3

11. IS EQUIPMENT BEING PROPERLY OPERATED TO MAINTAIN SAFE CONDITIONS? YES [] NO [] (3PTS) 3

14. WAS ROAD AND LOCATION PROPERLY RECLAIMED? YES [] NO []
 A. ROADWAY YES [] NO [] (2PTS) B. LOCATION YES [] NO [] (2PTS)
 C. PITS YES [] NO [] (2PTS) D. PIPELINES YES [] NO [] (2PTS)
 E. TANK DIKES YES [] NO [] (2PTS) F. GATES & FENCES YES [] NO [] (2PTS)
 G. API INSTALLED YES [] NO [] (2PTS) H. ADEQUATE SEEDING MATERIALS YES [] NO [] (2PTS)
 I. WAS SEED BED ADEQUATE YES [] NO [] (2PTS)
 POINTS AVAILABLE FOR QUESTION 14: (18 PTS) 18

15. WAS RECLAMATION COMPLETED WITHIN: POINTS AVAILABLE FOR QUESTION 15: (15 PTS) 8
 6 MTHS OF TD YES [] NO [] (8 PTS); 4 MTHS OF TD YES [] NO [] (5 PTS); 2 MTHS OF TD YES [] NO [] (4 PTS).

TOTAL RECLAMATION SCORE: 84

12/31/02
Date Released

Hi Hi Dougherty
Inspector

Columbia Natural Resources

47-087-04276

Well # 824316

- 4/2/01 Yeast Drilling Co. moving rig on to Set 200 ft. of 20" Surface pipe.
- 4/3/01 Drilling 29" surface hole at 60 ft.
- 4/4/01 H.D. of 29" Hole 206 ft. Ran 209 ft. of 20" pipe Top 3 ft. above ground level.
Cemented first stage With 300 sks. Cement
Plug Down 7:30 P.M.
- 4/5/01 Ran 1" pipe Down Backside of 20" + Jagged Cement at 90 ft. Pumped 220 sks. Cement through 1" + Circulated to Surf. Plug Down 11:15 A.M.
- 4/17/01 Rd spud meeting for Well.
- 4/19/01 V.P. & Rig #21 setting up will start Drilling 17 1/2" hole on 4/20/01
- 4/23/01 1700 ft. Deep on Air 17 1/2" Hammer Bit also Retirement look out for Daylight Driller (Snuffy)
- 4/26/01 Ran 2152 ft. of 13 3/8" casing and Cemented by Dowell with 1106 Sacks Cement. Plug Down 9:00 P.M.
- 4/29/01 Starting to nipple up on 13 3/8" + stoping Drill collar.
- 5/8/01 Testing B.O.P. on 9 5/8" casing.
- 5/11/01 8800 ft. Deep 8 3/4" Bit
- 5/29/01 Dry hole Gave permission to Plug.
- 6/1/01 Running Drill pipe to start plugging job.
- 12/31/02 Reclamation on Road + Location OK to Release

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Discharge Monitoring Report
Oil and Gas General Permit

Date Report Completed

10 / 12 / 01

Company Name: Columbia Natural Resources, Inc.

API 47-087-04276

County: Roane

District: Smithfield

Farm Name: William Reichenbach

Well No. 824316

Discharge Date/s From: (MMDDYY) 09 / 03 / 01

To: (MMDDYY) 09 / 03 / 01

Discharge Times: 7:00a.m.

To: 5:00p.m.

Disposal Option Utilized: UIC (2): Permit No.

Centralized Facility (5): Permit No.

Reuse (4): Alternate Permit No.

Offsite Disposal (3) Site Location:

Land Application (1) (Include a topographical map of the Area.)

Other Method (6) (Include an explanation)

Follow instructions below to determine your treatment category.

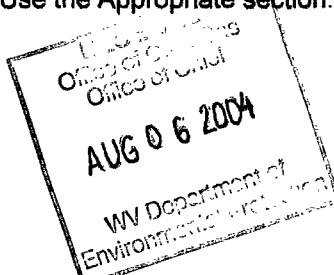
Optional Pretreatment test: 10,000 Cl-mg/l 10 DO Mg/l

1. Do you have permission to use expedited treatment from the Director or his representative? (Y/N) N
If yes who? _____ and place a four (4) on line 7. If not go to line 2.
2. Was Frac Fluid or Flowback put into the pit? (Y/N) Y If yes go to line 5 if not go to line 3.
3. Do you have a chloride value pretreatment (see above)? (Y/N) _____ If yes go to line 4 if not go to line 5.
4. Is that chloride level less than 5000 mg/l? (Y/N) _____ If yes then enter a one (1) on line 7.
5. Do you have a pretreatment value for DO? (see above) (Y/N) Y If yes then go to line 6 if not enter a three (3) on line 7.
6. Is that DO greater than 2.5 mg/l? (Y/N) Y If yes then enter a two (2) on line 7 if not enter a three (3) on line 7.
7. 2 is the category of your pit. Use the Appropriate section.

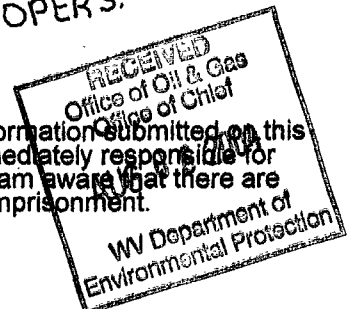
Name of Principle Exec. Officer

Title of Officer

Date Completed:



RECEIVED
AUG 03 2004
PROD. OPERS.



I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature of a Principle Executive Officer or Authorized agent

[Handwritten Signature]
Signature

Parameter		Predischarge Limit Reported	Discharge Limits Reported	Units
pH	6-10		6-10	S.U.
Settling Time	5		N/A	Days
Fe	6		6	mg/l
D.O.	2.5		2.5	mg/l
Settleable Sol.	.5		.5	mg/l
Cl	5000		5000	mg/l
Oil	Trace		Trace	Obs.
TOC			Monitor	mg/l
Oil and Grease			Monitor	mg/l
Al***			Monitor	mg/l
TSS			Monitor	mg/l
Mn	Monitor		Monitor	mg/l
Volume			Monitor	Gals
Flow			Monitor	Gals
Disposal Area			Monitor	Acres

***Al is only reported if the pH is above 9.0

Category 2
 Sampling Results
 API NO 47-087-04276

Parameter		Predischarge Limit Reported	Discharge Limits Reported	Units
pH	6-10	<u>7</u>	6-10	S.U.
Settling Time	10	<u>10</u>	N/A	Days
Fe	6	<u>1</u>	6	mg/l
D.O.	2.5	<u>10</u>	2.5	mg/l
Settleable Sol.	.5	<u>.1</u>	.5	mg/l
Cl*	12,500	<u>10,000</u>	12,500	mg/l
Oil	Trace	<u>NONE</u>	Trace	Obs.
TOC**			Monitor	mg/l
Oil and Grease			Monitor	mg/l
Al***			Monitor	mg/l
TSS			Monitor	mg/l
Mn	Monitor	<u>.68</u>	Monitor	mg/l
Volume			Monitor	Gals
Flow			Monitor	Gals/min.
Disposal Area			Monitor	Acres

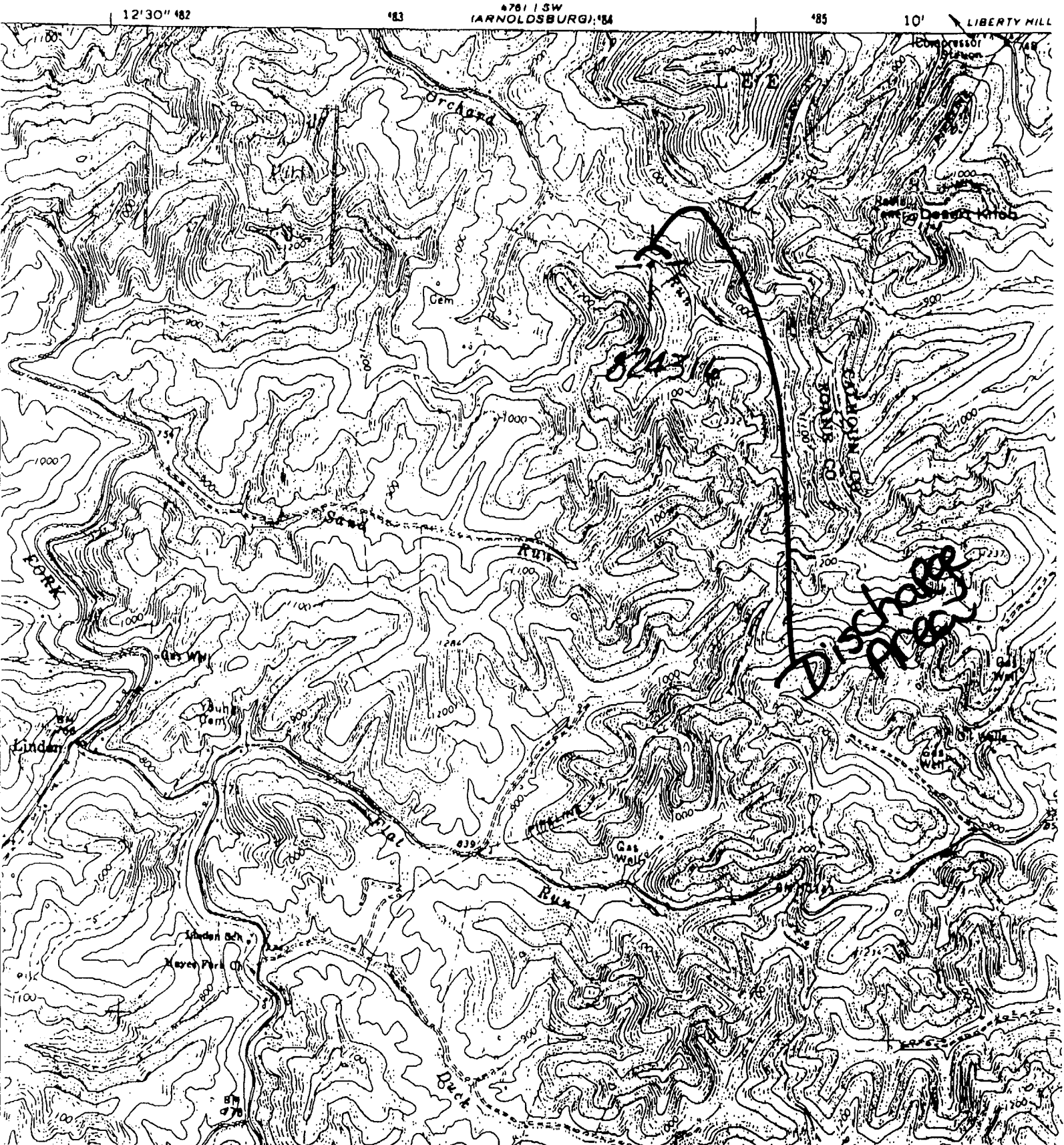
*Can Be 25,000 with inspectors approval,

**Include a description of your aeration technique. =CODE 3

***Al is only reported if the pH is above 9.0

Date: _____

119.



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

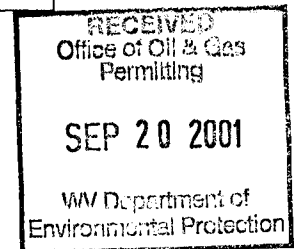
Farm name: Wm. Ricchenbach
 Location Elevation: 925'
 District: Smithfield

Operator Well No: 824316
 Quadrangle: Tariff
 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		206	672 CTS
Agent: Thomas Blake				
Inspector: Homer Dougherty	13 3/8		2,152	1,970 CTS
Date Permit Issued: 04/03/01				
Date Well work commenced: 08/06/01	9 5/8		1,733	350
Date Well Work completed: 05/29/01				
Verbal Plugging:	7"		5,567	925
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>	2 3/8"			N/A
Total Depth (feet): 11,532				
Fresh Water Depth (ft): 100				
Salt Water Depth (ft.): 1,550'				
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: N/A 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

NOTE: Well was logged & plugged as dry hole

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: R. E. Schindler Date: 9/18/01

Copies to: M.Haye
 Region
 Geology

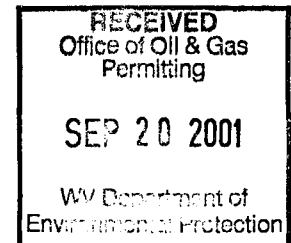
Columbia Natural Resources, Inc.
REICHENBACH 24316

47-087- 4276

Smithfield District, Roane County, WV

All depths are measured

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>
Shale & siltstone	0	1526
Salt Sand	1526	1624
Shale	1624	1786
Little Lime	1786	1820
Big Lime	1820	1980
Injun	1980	2008
Pocono Shale	2008	2302
Sunbury Shale	2302	2328
Berea	2328	2330
U. Devonian Shale	2330	2644
Gordon	2644	2662
U. Devonian Shale	2622	3500
Lower Huron	3500	4691
L. Devonian Shale	4691	4816
Lower Alexander	4816	4900
L. Devonian Shale	4900	5246
Rhinestreet	5246	5730
Marcellus	5730	5775
Onondaga	5775	5950
Oriskany	5950	5998
Helderberg	5998	6342
Salina	6342	7026
Newburg	7026	7044
McKenzie	7044	7408
Rose Hill	7408	7890
Tuscarora	7890	7994
Juniata (red)	7994	8630
Martinsburg (gray)	8630	10056
Trenton	10056	10202
Black River	10202	TD



87-4276

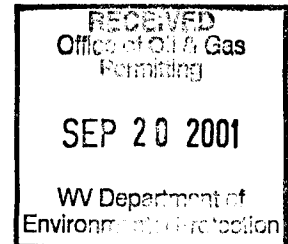
PLUGGING METHOD – WELL 824316

11,532'	-	11,106'	3% KCL WATER
11,106'	-	10,606'	110 SKS 65/35 CLASS H/POZ CMT
10,606'	-	10,311'	6% GEL
10,311'	-	9,811'	115 SKS 65/35 CLASS H/POZ CMT
9,811'	-	8,058'	6% GEL
8,058'	-	7,818'	35 SKS 65/35 CLASS H/POZ CMT
7,818'	-	5,013'	6% GEL
5,013'	-	4,319'	3% KCL WATER
4,319'	-	4,120'	200 SKS CLASS A CMT
4,120'	-	2,224'	6% GEL
2,224'	-	2,024'	144 SKS CLASS A CMT
2,024'	-	1,584'	6% GEL
1,584'	-	1,389'	146 SKS CLASS A CMT
1,389'	-	525'	6% GEL
525'	-	250'	199 SKS CLASS A CMT
250'	-	125'	6% GEL
125'	-	SURFACE	4 YDS READY-MIX

MONUMENT IS 7" CSG, 36" ABOVE GROUND LEVEL.

PIPE LEFT IN WELL

7" CASING FROM	4,400'	-	9,967' KB
9 5/8" CSG FROM	4,319'	-	6,052' KB
13 3/8" CSG FROM	SURFACE	-	2,152' KB
20" CSG FROM	SURFACE	-	206' GL



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

WELL WORK PERMIT

New Well

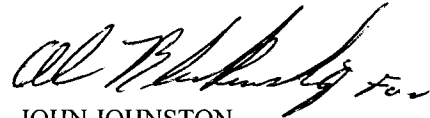
This permit, API Well Number: 47-8704276, issued to COLUMBIA NATURAL RESOURCES, INC., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-654-3312 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

This permit will expire in two (2) years from the issue date.

If there are any questions, please feel free to contact me or Mr. Al Blankenship at 304-759-0518.



JOHN JOHNSTON
Chief,
Office of Oil and Gas

Operator's Well No: 824316

Farm Name: REICHENBACHM WILLIAM

API Well Number: 47-8704276

Permit Type: New Well

Date Issued: 05/16/2000

State of West Virginia
Bureau of Environment
OIL AND GAS CONSERVATION COMMISSION
#10 McJunkin Road
Nitro, West Virginia 25143-2506

Barry K. Lay, Chairman
Michael W. Sinicropi, Member
Denny P. Harton, Member
John H. Johnston, Ex-Officio
Michael C. Castle, Ex-Officio

Telephone (304)759-0516
Fax (304)759-0529

May 16, 2000

Division of Environmental Protection
Office of Oil and Gas
Nitro, West Virginia

Re: Application for Permit #47-087-04276 to drill deep well.

COMPANY: Columbia Natural Resources, Inc.

FARM: Paul Brannon, et al #824316

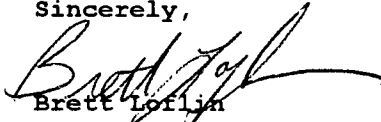
COUNTY: Roane DISTRICT: Smithfield QUAD: Tariff

The application of the above company is Approved for Copper Ridge.
(Approved or Disapproved)

Applicant has complied with the provisions of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

- 1.) Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owner; yes
- 2.) Provided a tabulation of all deep wells within one mile of the proposed location, including the Api number of the deep well, well name, and the name and address of operator and; *see below
- 3.) Provided a plat showing that the proposed location is a distance of 1,000 feet from the nearest unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,


Brett Loflin
Program Manager

*3,800' to 47-087-04269 Proposed

87-04276

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: COLUMBIA NATURAL RESOURCES, INC. 5 635
- 2) Operator's Well Number: 824316 3) Elevation: 925'
- 4) Well type: (a) Oil / or Gas X/
- (b) If Gas: Production X/ Underground Storage /
- Deep X/ Shallow /
- 5) Proposed Target Formation(s): Oriskany, Newburg, Tuscarora, Martinsburg, Trenton,
Black River, Beekmantown, Rose Run, Copper Ridge
- 6) Proposed Total Depth: 12,000'
- 7) Approximate fresh water strata depths: 100'
- 8) Approximate salt water depths: 1100'
- 9) Approximate coal seam depths: N.A.
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: To drill and stimulate new well.

RECEIVED
Office of Oil & Gas
Permitting

MAY 16 2000

WV Division of
Environmental Protection

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	SIZE	GRADE	WEIGHT PER FT.	FOR DRILLING	LEFT IN WELL	FILL-UP (CU.FT.)
<i>21.810</i> <i>5/8/2666</i> Conductor	20	L.S.		200	200	200
1st Intermediate	13-2/8	J-55	61	2075	2075	1400
2nd Intermediate	9-5/8	L-80	40	6060	6060	160
3rd Intermediate	7"	M-95	23	8980	8980	500
Production	4-1/2	L-80	13.5	(as needed)	(as needed)	
Tubing	2-3/8	L-80	4.7	(as needed)	(as needed)	
Liners						

PACKERS: Kind -

Sizes

Depths set

For Division of Oil and Gas Use Only

Fee(s) paid: \$450. Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond (Type) Agent

ck # 6010010413

05-08-00 P12:30 IN

Region Office:

8165 Court Avenue
State Route 3
Hamlin, WV 25523

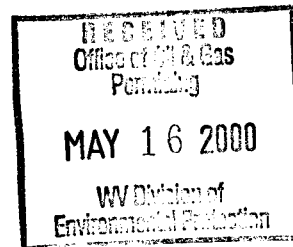
05-16-00 A08:33 OUT

P.O. Box 579
Hamlin, WV 25523

(304) 824-5141
(304) 824-2247 - Fax

May 5, 2000

WV State Department of Energy
Oil & Gas Section
ATTN: Brett Loflin
#10 MCJunkin Road
Nitro, WV 25143-2506



Dear Brett:

As you know Columbia Natural Resources (CNR) plans to drill Well 824316 to test the Oriskany, Newburg, Tuscarora, Martinsburg, Trenton, Black River, Beekmantown, & Copper Ridge formations in the Smithfield District, Tariff Quad Area, in the Orchard Run of Henry Fork Watershed in Roane County, WV. Since we will be setting 200 feet of 20-inch surface pipe, CNR requests a variance to the pump and plug method for cementing the surface casing in the well. CNR proposes the following procedure for your approval:

1. Drill 24" hole to approximately 200'.
2. Run 200' of 20" casing.
3. Run 1" string down outside of 20" to bottom of casing.
4. Pump 50 sacks Neat cement. It will be Class A cement and water similar to that customarily provided by an oil field service company.
5. Pull 1" out of hole and wait 8 hours.
6. Fill inside 20" with water.
7. Run 1" string back down on backside of 20" and tag top of cement. This should be approximately 150'.
8. Pull up and pump Neat cement until displacement pressure is seen. We expect approximately 50 sacks.
9. Pull 1" to 75'. Note: we will calculate cement fill up to be sure we are not above cement top.
10. Pump Neat cement until cement returns are seen at surface. This should take approximately 65 sacks.

I believe due to the large diameter of the hole and casing that this method of cementing will result in a better cement job than the pump and plug method. If you have any questions or suggestions about this method, please do not hesitate to call me at the number listed above.

Respectfully,

R. E. Schindler
Technical Administrator
Southeast Region

Gocke/l/drilling applications824316letter

1) Date: May 5, 2000
2) Operators well number
824316
3) API Number 47 -

87-4276

05-08-00 P12:30 IN

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) Surface owner(s) to be served:

(a) Name: WILLIAM REICHENBACH W
Address: 889 ORCHARD RUN
SPENCER, WV 25276

5) (a) Coal Operator:

Name:
Address:

(b) Name:
Address:

(b) Coal Owner(s) with Declaration:

Name: WILLIAM REICHENBACH W
Address: 889 ORCHRD RUN
SPENCER, WV 25276

(c) Name:
Address:

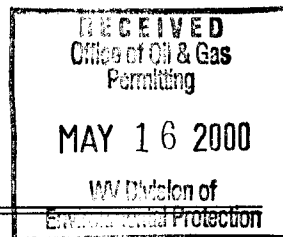
Name:
Address:

6) Inspector:

Name:
Address:
Telephone: (304)

(c) Coal Lessee with Declaration:

Name:
Address:



TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

___ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

___ Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2).

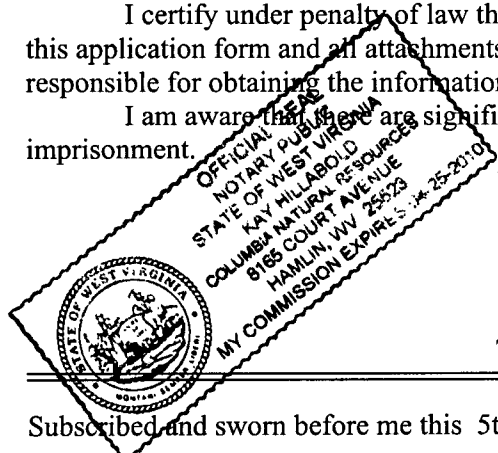
I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties, by:

- ___ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- ___ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.



Well Operator COLUMBIA NATURAL RESOURCES
By: Dave Barber John Shultz
Its: REGION MANAGER John Adams
Address: P. O. Box 6070
Charleston, WV 25362-0070
Telephone: (304) 353-5000

Subscribed and sworn before me this 5th day of May 2000

Kay Hillabrand

Notary Public

My Commission expires APRIL 25, 2010

Z 411 683 273

US Postal Service
Receipt for Certified Mail
WELL 824316
WILLIAM REICHENBACH
889 ORCHARD RUN
SPENCER, WV 25276

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

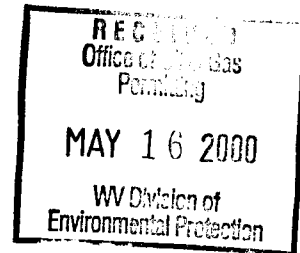
PS Form 3800, April 1995

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8 (d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that--

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for leases(s) ro other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book/Page</u>
SEE ATTACHED LISTING	Columbia Natural Resources, Inc.	SEE ATTACHED	



Well Operator: **COLUMBIA NATURAL RESOURCES**

By: Dave Locke / R S Schmitt
Its: Region Manager Fech Adm

- 87-4276
1. Lease dated April 30, 1999 from L. L. Smith, widower, to Columbia Natural Resources, Inc., as ratified, and being recorded in Book 202, at page 429.
 2. Lease dated June 8, 1999, from June Varda and B. J. Varda to Columbia Natural Resources, Inc., as ratified, and being recorded in Book 202, at page 572.
 3. Lease dated March 27, 2000, from Robin Baker, Attorney in Fact for Clara Starcher, to Columbia Natural Resources, Inc., as ratified, and being presently unrecorded.

OIL AND GAS OWNERS - Lease 1213455 - Well 824316

Mary L. & Garrett M. Boyles
Rt 1, Box 126-B
Spencer, WV 25276

Dorothy E. & Martin Atkinson
Rt 1, Box 47
Reedy, WV 25270

June Varda
Clay Rt Box 16
Spencer, WV 25276

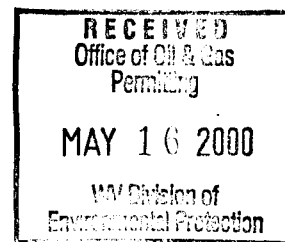
Carolyn Taylor
HCR 76 Box 26AA
Spencer, WV 25276

Barbara Nichols
402 Market Street
Spencer, WV 25276

Beverly Elberfield
17 Oakwood Drive
Gallipolis, OH 45631

Anita Tuason
1112 Commercial Street
Leavenworth, WA 98826

Helen Williamson, in her own right
Helen Williamson AIF for E. D. Davis
Helen Williamson AIF for Margaret & John Anderson
1407 Stewart Avenue
Huntington, WV 25701



Robin Baker, AIF for Clara Starcher
P. O. Box 53
Reedy, WV 25270

87-4276

Linda & Harold Carpenter
10537 Williams Road
Diamond, OH 44412

Violet Gregg
821 28th Street
Vienna, WV 26105

Frances Greathouse
386 Orchard Run
Spencer, WV 25276

Donzel & Mary Brannon
4114 Camden Avenue
Parkersburg, WV 26101

Brenda Brannon
Rt. 1 Box 188
Spencer, WV 25276

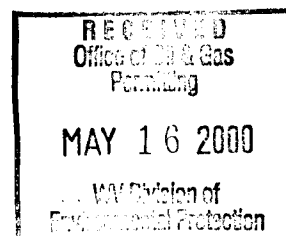
Donald & Mary Jane Brannon
1803 Soyer Street
Parkersburg, WV 26101

Paul & Lucy Brannon
977 Concord Avenue
Akron OH 44306

Stephen & Cheryl Brannon
4410 15th Avenue
Parkersburg, WV 26101

Elijah & Pansy Brannon
416 Main Street
Orville, OH 44667

L. L. Smith
905 Mossman Circle
Point Pleasant, WV 25550



West Virginia Division of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

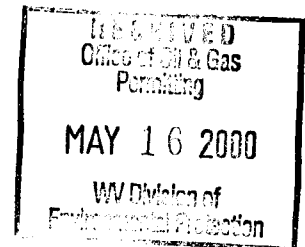
If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

Contractor Name Reic Labs or Sturm Labs
 Well operators private laboratory

Well Operator COLUMBIA NATURAL RESOURCES
Address P. O. BOX 6070
CHARLESTON, WV 25362-0070
Telephone (304) 353-5000



FOR OPERATORS USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are not water wells or springs within 1000 feet of the proposed site please indicate such.

WELL # 824316 - See Attached

87-4276

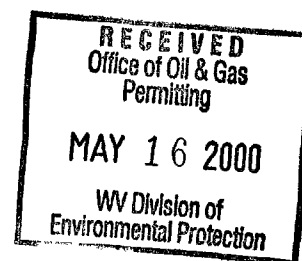
NOTICE

**WATER TESTING
COLUMBIA NATURAL RESOURCES, INC. WELL NO. 824316**

**WATER SOURCES IDENTIFIED WITHIN 1000' OF THE ABOVE PROPOSED WELL
SITE:**

**WILLIAM REICHENBACH
889 ORCHARD RUN ROAD
SPENCER, WV**

PHONE 927-5630



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name COLUMBIA NATURAL RESOURCES, INC. OP Code 10460

Watershed ORCHARD RUN OF HENRY FORK Quadrangle TARIFF, WV

Elevation 925' County ROANE District SMITHFIELD

Description of anticipated Pit Waste: DRILLING AND COMPLETION FLUIDS

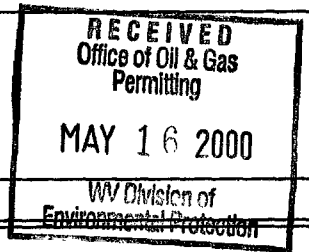
Will a synthetic liner be used in the pit? YES

Proposed Disposal Method for treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Proposed Work for Which Pit Will Be Used:

- Drilling _____ Swabbing _____
- Workover _____ Plugging _____
- Other (Explain _____)



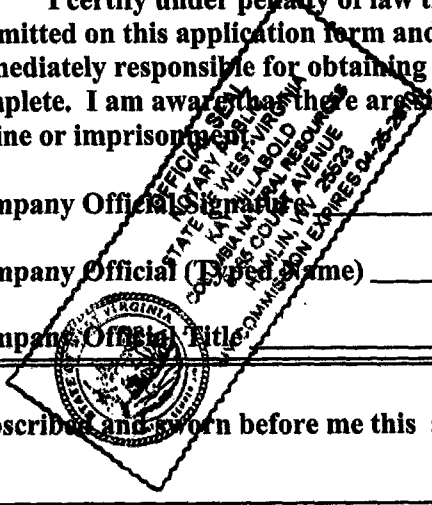
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on June 14, 1994, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining The information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature: David Gocke R.E. Schindler

Company Official (Typed Name): DAVID GOCKE R.E. Schindler

Company Official Title: Region Manager Tech. Advn



Subscribed and sworn before me this 5TH day of MAY, 2000
Kay Wellcalis Notary Public

My Commission expires APRIL 25, 2010

LEGEND

- Property Boundary
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch
- Stock
- North
- Buildings
- Water wells
- Drill site

- Diversion
- Spring
- Wet Spot
- Drain Pipe with size in inches
- Waterway
- Cross Drain
- Artificial Filter Strip
- Pit: cut walls
- Pit: compacted fill walls
- Area for Land Application of Pit Waste

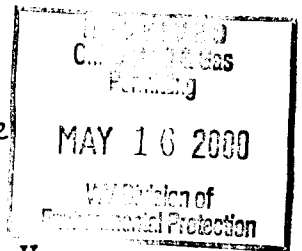
Proposed Revegetation Treatment: Acres Disturbed 3.5 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch HAY/STRAW 2 Tons/acre / Paper @ 1600 lbs/acre

Seed Mixtures



Area I		Area II	
Seed Type	Ibs/acre	Seed Type	Ibs/acre
RED TOP	15	RED TOP	15
ORCHARD GRASS	25	ORCHARD GRASS	25
PERENNIAL RYE/CRIMSON	25 EA.	PERENNIAL RYE/CRIMSON	25 EA.
RED CLOVER		RED CLOVER	

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved H. H. Dougherty

Title: District Inspector Date: 5/8/2000

Field Reviewed? Yes No

87-4276

TARIFF QUAD

INTERSECTION CO. ROUTE 50 3.3 MI.

2063' OF EXISTING ROAD TO BE UPGRADED
472' OF NEW CONSTRUCTION
2535' TOTAL

BRUNER LAND CO., INC.

AREA 11

PROPERTY LINE

BRUNER LAND CO., INC.

WILLIAM REICHENBACH

WILLIAM REICHENBACH

AREA 1

ROAD GRADES

G-1	191' @ +03%
G-2	148' @ 0%
G-3	265' @ +05%
G-4	124' @ +18%
G-5	246' @ +05%
G-6	151' @ -10%
G-7	679' @ +06%
G-8	171' @ +02%
G-9	88' @ -06%
G-10	70' @ -18%
G-11	82' @ -07%
G-12	140' @ +05%
G-13	68' @ +07%
G-14	53' @ +20%
G-15	59' @ +10%

RECEIVED
Office of Natural Resources
Permitting
MAY 16 2000
WV Division of

DRAWING LEGEND

PROPERTY BOUNDARY	---	DIVERSION	~~~~~
ROAD	---	SPRING	○
EXISTING FENCE	--- ---	NET SPOT	⊙
PLANNED FENCE	- - - - - -	DRAIN PIPE W/ SIZE IN INCHES	⊖
STREAM	~ ~ ~	WATER WAY	⊕
OPEN DITCH	- - -	CROSS DRAIN	⊗
ROCK	■	ARTIFICIAL FILTER STRIP	▨
NORTH	↑	PIT, CUT BILLS	○
BUILDINGS	□	PIT, COMPACTED FILL BILLS	⊖
WATER BILLS	⊕	AREA FOR LAND APPLICATION OF PIT WASTE	⊗
WELL SITE	⊕		

GENERAL NOTES

THIS DRAWING IS A SCHEMATIC REPRESENTATION OF THE PROPOSED WELL SITE AND ACCESS ROAD. PROPOSED STRUCTURES SUCH AS WELL SITE, DRILLING PIT, ROADWAYS, COLLETS, SEDIMENT BARRIERS ETC. ARE SHOWN IN APPROXIMATE PRE-PLANNING CONFIGURATIONS. UNDER UNUSUAL CIRCUMSTANCES, THE AS-BUILT LOCATION OF THESE STRUCTURES MAY VARY SLIGHTLY FROM THE LOCATION SHOWN ON THIS DRAWING.

ALL COLLETS SHOWN ON THIS PLAN ARE PROPOSED AND WILL BE A MINIMUM OF 12" IN DIAMETER UNLESS OTHERWISE SPECIFIED.

WORK REQUIRED BY CLEARING AND GRADING ACTIVITIES WILL BE CUT AND GRADDED BEHIND THE OUT SLOPE OF CONSTRUCTION AREAS. ALL THINGS 6" OR MORE WILL BE CUT AND STACKED. NO ROCK OR FILL MATERIAL TO BE DISPLACED OFF-SITE.

DITCH LINES AND COLLETS WILL BE INSTALLED WHENEVER PRACTICAL, HOWEVER PORTIONS OF THE EXISTING PROPOSED ROADS WHICH ARE LOCATED IN SOIL NO ROCK SHALL NOT BECOME DITCHES OR CROSS DRAINS, UNLESS OTHERWISE SHOWN ON FIELD CIRCUMSTANCES.

SUPPLEMENTAL MEASUREMENT AND FOR SEDIMENT CONTROL FEATURES IN ADDITION TO THOSE SHOWN ON THIS PLAN WILL BE INSTALLED WHEN AND WHERE NEEDED NECESSARY. THE ADDITIONAL FEATURES MAY CONSIST OF STORM BARRIERS, SILT FENCES, OR OTHER FEATURES AS DETERMINED IN THE EROSION AND SEDIMENT CONTROL FIELD MANUAL.

A SEDIMENT BARRIERS OF EITHER BRUSH, STORM BARRIERS OR FILTER FENCE WILL BE PLACED BEHIND THE BARRIERS OF ALL PROPOSED COLLETS AND AT ALL OTHER SPOTS WHERE DISCHARGE POINTS FROM EITHER THE ROADWAY OR THE LOCATION.

CROSS DRAINS OR BARRIERS SHALL BE INSTALLED AS AN INTEGRAL PART OF THE RECLAMATION PROCESS AND SHALL BE SPACED TO ACCORDANCE WITH THE AS-BUILT ROADWAY SLOPES AND TABLE 11-4 OF THE EROSION AND SEDIMENT CONTROL FIELD MANUAL.

COLUMBIA NATURAL RESOURCES, INC.
900 PENNSYLVANIA AVE.
POST OFFICE BOX 6070, CHARLESTON, WV 25302

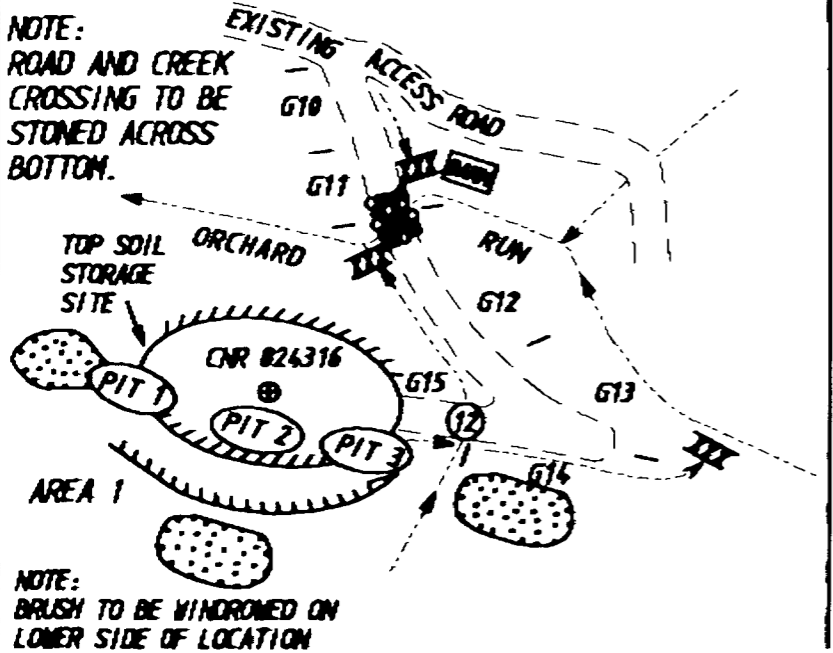
RECLAMATION PLAN
PROPOSED LOCATION 824316

ORCHARD RUN OF HENRY FORK
SHIRFIELD DIST., ROANE CO., WV

DATE: 05-03-00 SCALE: N/S DRAWING NO. 1 OF 1

PREPARED BY: FILE:

NEW CONSTRUCTION AND LOCATION DETAIL (N/S)



H. H. D.
5/8/2000



119

API # 87-04276
Operator: CNR
Well #/Name: 824316
County: _____
Reviewed By: ALB
DEEP WUE 11

CHECK LIST FOR FILING A PERMIT

I. New Drill

- WW-2B
- WW-2B signed off by inspector
- WW-2A
- Surface Owner Waiver *Consent + EASEMENT*
- Coal Owner/Lessee/Operator Waiver
- WW-2A (1) including page and book and royalty percentage
- WW-2B (1) (If there are sources to be tested - we need names, addresses and location on topo listed as water testing)
- WW-9 (front and back)
- Inspector Signature on WW-9
- Reclamation Plan
- Mylar Plat
- Topography Map of the proposed location
- Certified Mail Receipts or affidavit of personal service
- Bond
- A check for \$450.00

II. Re-Work, Frac and Drill Deeper Permits

- WW-2B
- WW-2B signed off by inspector
- WW-2A
- Surface Owner Waiver
- Coal Owner/Lessee/Operator Waiver
- WW-2A (1) including book and page and royalty percentage.
- WW-9 (front and back)
- Inspector Signature on WW-9
- Reclamation Plan
- Mylar Plat
- Topography Map of location for the well and pit
- Certified Mail Receipts or affidavit of person service
- Completion/Well Records of previous work
- Bond
- A check for \$350.00 if no pit \$250.00

87-4276

CERTIFICATE OF CONSENT AND EASEMENT

This Certificate of Consent and Easement, made and entered into this 4th day of May, 2000, by and between _____

William E. Reichenbach, single _____ (hereinafter

"Grantor(s)"), and **Columbia Natural Resources, Inc.**, a Texas corporation (hereinafter "CNR").

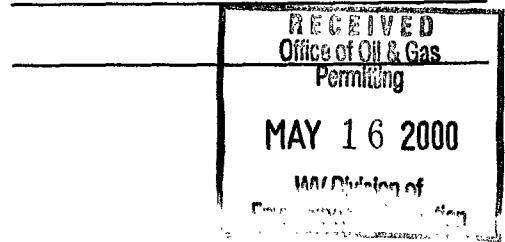
That in consideration of the premises and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantor(s), being sole owner/all the owners of the surface of that certain lot, tract or parcel of land located in Smithfield District, Roane County, State of West Virginia, shown on the Well Location Plat, dated May 4, 2000, attached hereto and made a part hereof, hereby consent and grant an easement, pursuant to West Virginia Code, Section 22C-9-7(B)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, to CNR, its successors or assigns, for the drilling and operation of a deep well for the production of oil or gas at the location shown on the attached Well Location Plat, with ingress and egress to and from the same.

This agreement may be executed in one or more counterparts, each of which shall be deemed original, and all of which together shall constitute one and the same instrument. If for any reason, any party named herein fails to execute this contract, it shall nevertheless, be binding upon the signing parties.

DECLARATION OF CONSIDERATION OF VALUE: Grantor(s) does (do) hereby declare that this document is exempt from excise tax on the privilege of transferring real estate for the following reason: The value of the property transferred by this document is less than One Hundred Dollars (\$100.00).

WITNESS the following signatures:

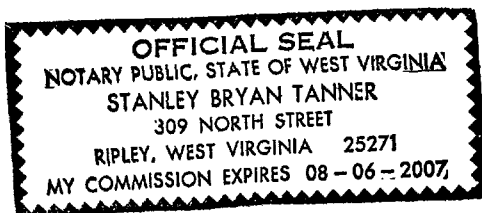
William E. Reichenbach



STATE OF West Virginia,
COUNTY OF Roane, TO-WIT:

Taken, subscribed and sworn to before me by the said William E. Reichenbach, single
this 4 day of May, 2000.

[SEAL]



Stanley Bryan Tanner
Notary Public
My commission expires: 8-6-2007

Instructions to Surface Owners (cont.)

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas OR
Division of Environmental Prot.
#10 Mcjunkin Road
Nitro, WV 25143
(304) 759-0514

District Oil and Gas Inspector
(Name and address listed on
obverse side of this notice)

Time limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address, and telephone number (if you have a telephone), the well operator's name and well number and the approximate location of the proposed well site including district and county from the appellation. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under chapter 22, and has filed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of water testing laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and the fact that I have received copies of a Notice and Application for a Well Work Permit on Form WW-2A, and attachments consisting of pages 1 through _____ including a work order on Form WW-2B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by natural person)

William S. Schilb May 4, 2000
(Signature) & Date

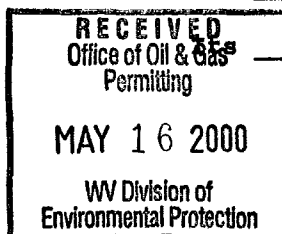
(Signature) & Date

(For execution by corporation, etc.)

Name _____

By _____

Date _____



WELL NO. 24316

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named above. You are hereby notified that any objection you wish to make or are required to make by Code 22-6-16, 16, or 17, must be filed with the chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office.

WAIVER

The undersigned coal operator _____ owner X lessee _____ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

(For execution by natural person)

William S. Schindler May 4, 2000
(Signature) & Date

(Signature) & Date

(For execution by corporation, etc.)

Name _____

By _____

Its _____ Date _____

