

FILE NO. 401-1-57  
 DRAWING NO. 82-11  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION JCT. ROADS 4100' N.W. OF LOCATION EL. 3972

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 MINES.  
 (SIGNED) Thomas F. Weaver, Jr.  
 R.P.E. \_\_\_\_\_ L.L.S. 410

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 3650 WATER SHED JUTER RUN OF SNAYERS FORK  
 DISTRICT VALLEY BEND COUNTY RANDOLPH  
 QUADRANGLE WILDELL  
 SURFACE OWNER U.S. OF A., NATIONAL FOREST SERVICE ACREAGE 43,305.85  
 OIL & GAS ROYALTY OWNER MOWER LUMBER CO. LEASE ACREAGE 43,305.85 Acs.  
 LEASE NO. 1508  
 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 8500  
 WELL OPERATOR UNION DRILLING, INC. DESIGNATED AGENT UNION DRILLING, INC.  
 ADDRESS P.O. DRAWER 40 BUCKHANNON, WY. 26201 ADDRESS P.O. DRAWER 40 BUCKHANNON, WY. 26201

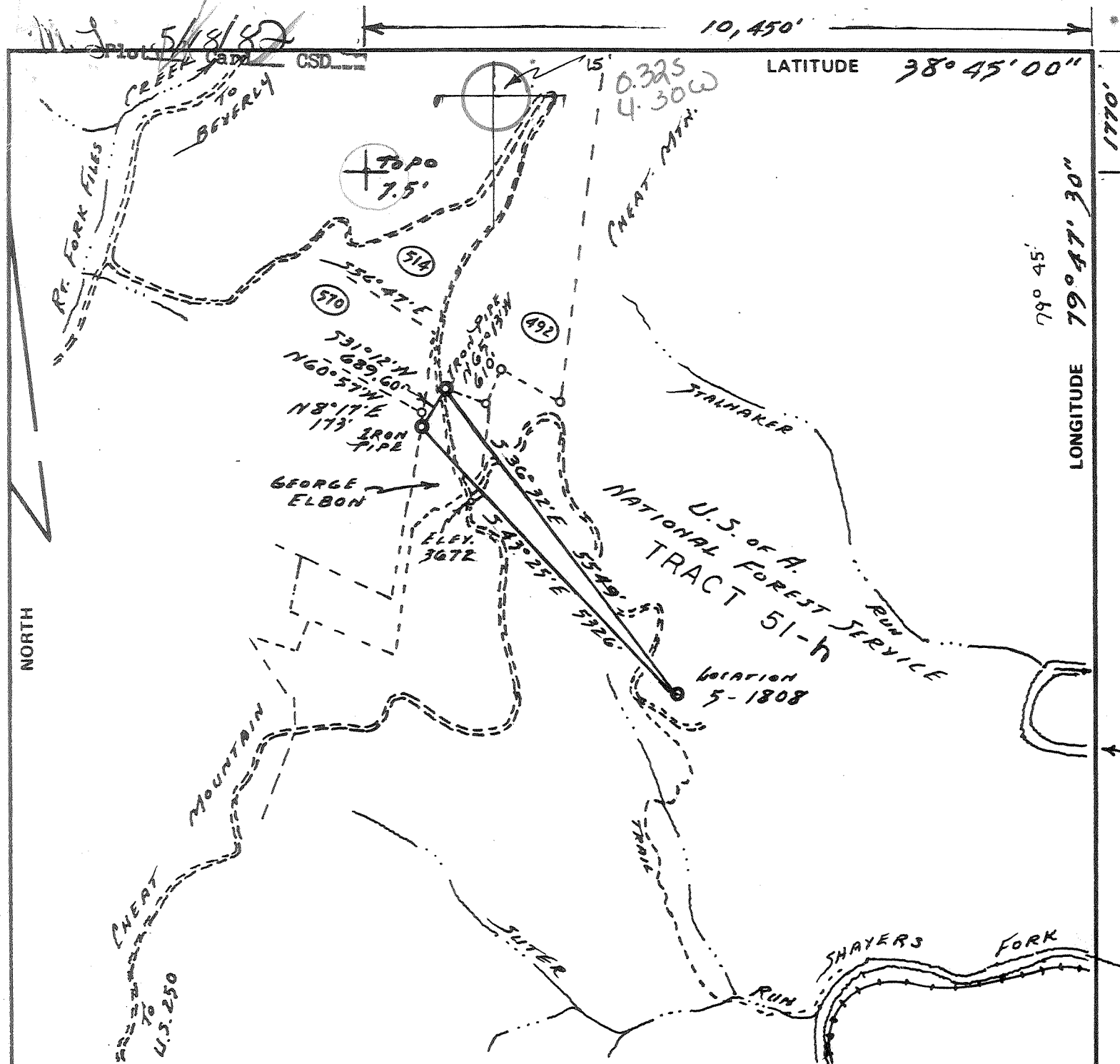
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE APRIL 29, 1982  
 OPERATOR'S WELL NO. 5-1808  
 API WELL NO. 821125  
47 - 083 - 0672P  
 STATE COUNTY PERMIT

RAN 0672P

DEEP WELL

JUL 19 2002



FILE NO. UDI-1-57  
 DRAWING NO. 82-11  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION SCT. ROADS 4100'  
N.W. OF LOCATION  
EL. 3672

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 MINES.  
 (SIGNED) Thomas F. Weaver, Jr.  
 R.P.E. \_\_\_\_\_ L.L.S. 410

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE APRIL 29, 1982  
 OPERATOR'S WELL NO. 5-1808  
 API WELL NO. 47-083-0672  
 STATE COUNTY PERMIT

**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 3650 WATER SHED JUTER RUN OF SHAYERS FORK  
 DISTRICT VALLEY BEND COUNTY RANDOLPH  
 QUADRANGLE WILDELL Durbini 5' NE  
 SURFACE OWNER U.S. OF A. NATIONAL FOREST SERV. ACREAGE 43,305.85  
 OIL & GAS ROYALTY OWNER MOWER LUMBER CO. LEASE ACREAGE 43,305.85 Acs.  
 LEASE NO. 1508  
 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 8500  
 WELL OPERATOR UNION DRILLING, INC. DESIGNATED AGENT UNION DRILLING, INC.  
 ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40  
BUCKHANNON, WY. 26201 BUCKHANNON, WY. 26201

→ DEEPWELL ← 5-2 Shayers Fork (369)

RECEIVED



JAN 2 1983

IV-35 (Rev 8-81)

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date December 17, 1982

Operator's

Well No. 5-1808

Farm Mower Lumber Co. #5 (1808)

API No. 47 - 083 - 0672

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas x / Liquid Injection / Waste Disposal / (If "Gas," Production x / Underground Storage / Deep x / Shallow /)

LOCATION: Elevation: 3650' Watershed Suter Run of Shavers Fork District: Valley Bend County Randolph Quadrangle Wildell

COMPANY Union Drilling, Inc. ADDRESS P O Drawer 40, Buckhannon WV 26201 DESIGNATED AGENT Joseph C. Vanzant, Jr. ADDRESS P O Drawer 40, Buckhannon WV 26201 SURFACE OWNER U. S. Forest Service ADDRESS Monongahela Nat'l Forest, Bartow WV 24920 MINERAL RIGHTS OWNER Mower Lumber Co. ADDRESS P O Box 27, Durbin WV 26264 OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart ADDRESS P O Box 345, Jane Lew WV PERMIT ISSUED 5/18/82 26378 DRILLING COMMENCED 6/12/82 DRILLING COMPLETED 8/3/82 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON 10/4/82

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cord, 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Oriskany Depth 5082' feet Depth of completed well 8577' feet Rotary x / Cable Tools Water strata depth: Fresh Hole damp @ 49 feet; Salt feet Coal seam depths: Is coal being mined in the area? Yes

OPEN FLOW DATA Producing formation Balltown, Benson, Alexander Pay zone depth 5082' feet Gas: Initial open flow show Mcf/d Oil: Initial open flow Bbl/d Final open flow 146 Mcf/d Final open flow Bbl/d Time of open flow between initial and final tests 2 hours Static rock pressure 700# psig (surface measurement) after 24 hours shut in (If applicable due to multiple completion--)

02412220

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Dowell Water Fractured 10/13/82

3199/01, 3236/42, 3245/48 Balltown 30,000# Sand 345 Bbls. Water

4112/14, 4133/37 Benson 40,000# Sand 470 Bbls. Water

5068/71, 5080/82 Alexander 40,000# Sand 480 Bbls. Water

ON 8/20/82 - Basin Surveys perforated at 8203'/8237.5' with 15 shots,  
Dowell used 1500 gallon 15% acid on 8/21/82. On 8/25/82 Dowell  
acid fractured the well with 1500 Gal. of MSR Acid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill			0	10'	
Sand & Shale			10'	102'	Hole damp @ 49'
Sand & shale			102'	3220'	
Balltown			3220'	3250'	
Sand & Shale			3250'	4096'	
Benson			4096'	4102'	
Sand & Shale			4102'	5048'	
Elk			5048'	5071'	
Sand & Shale			5071'	7898'	
Purcell			7898'	7920'	
Sand & Shale			7920'	8063'	
Marcellus			8063'	8143'	
Onondaga			8143'	8174'	
Huntersville			8174'	8240'	
Sand & Shale			8240'	8362'	
Oriskany			8362'	8577' TD	

PB to 5171

(Attach separate sheets as necessary)

Union Drilling, Inc.

Well Operator

By:

Joseph C. Pettey, Vice President of Production

Date:

December 17, 1982

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ..., encountered in the drilling of a well."

Date: May 17, 19 82

Operator's Well No. 5 - 1808

API Well No. 47 - 083 - 0672

State County Permit

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION Mower Lumber Company #5 (1808)

OIL AND GAS WELL PERMIT

WELL TYPE: Oil      / Gas X / (If "Gas", Production X / Underground storage      / Deep X / Shallow     )

LOCATION: Elevation: 3650' Watershed: Suter Run of Shavers Fork

District: Valley Bend County: Randolph Quadrangle: Wildell

WELL OPERATOR UNION DRILLING, INC. Address P. O. Drawer 40 Buckhannon, WV 26201

DESIGNATED AGENT UNION DRILLING, INC. Address P. O. Drawer 40 Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Mower Lumber Company Address c/o Ralph McDonald P. O. Box 27 Durbin, WV 26264

COAL OPERATOR Enviro Energy, Inc. Address Durbin, WV 26264

Acreage 43,305.85

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER U. S. Forest Service Address Monongahela National Forest

Name Mower Lumber Company Address c/o Ralph McDonald P. O. Box 27 Durbin, WV 26264

Acreage     

Name      Address     

FIELD SALE (IF MADE) TO: Address Not Determined at this time

OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Stewart (884-7782) Address P. O. Box 345 Jane Lew, WV 26378

COAL LESSEE WITH DECLARATION ON RECORD: Name Enviro Energy, Inc. Address Box 165 Durbin, WV 26264

UDI Lease 1508

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed      / lease X other contract      / dated October 30, 19 81, to the undersigned well operator from Mower Lumber Company to Union Drilling, Inc.

(IF said deed, lease, or other contract has been recorded:) Recorded on Nov. 4, 19 81, in the office of the Clerk of the County Commission of Randolph County, West Va. ~~West~~, in Deed Book 341 at page 669. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper      / Redrill      / Fracture or stimulate X /

Plug off old formation      / Perforate new formation      /

Other physical change in well (specify)     

     —planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1615 WASHINGTON STREET EAST CHARLESTON, WV 25311 TELEPHONE: (304) 348-3092

BLANKET BOND

UNION DRILLING, INC. Well Operator By Joseph C. Pettey Its Joseph C. Pettey, Vice President of Production

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) UNION DRILLING, INC.  
Address P. O. Drawer 40  
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Oriskany

Estimated depth of completed well, 8500 feet Rotary x / Cable tools        /

Approximate water strata depths: Fresh, 2200 feet; salt,        feet.

Approximate coal seam depths:        ? Is coal being mined in the area? Yes x / No        /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	11 3/4"			x		60'	60'		Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8"		24#	x		<del>1500'</del> 2250'	<del>1500'</del> 2250'	to surface	
Production	4 1/2" N80		11.60#	x			8500'	<del>400</del> 850 sks. or	Depths set
Tubing								as req. by rule 15.01	
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.  
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,  
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY  
APPROVED FOR drilling; THIS PERMIT SHALL EXPIRE  
IF OPERATIONS HAVE NOT COMMENCED BY 1-21-83  
BY [Signature]

*[Handwritten signature]*

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator        / owner        / lessee        / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the 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.

Date:       , 19       

By       

Its

Date: December 17, 1982

Operator's Well No. 5 - 1808

API Well No. 47 - 083 - 0672  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION  
Partial  
AFFIDAVIT OF PLUGGING AND FILLING WELL

WELL TYPE: Oil \_\_\_ / Gas XX / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas", Production XX / Underground storage \_\_\_ / Deep XX / Shallow \_\_\_ /  
LOCATION: Elevation: 3650' Watershed: Suter Run of Shavers Fork  
District: Valley Bend County: Randolph Quadrangle: Wildell

WELL OPERATOR Union Drilling, Inc. DESIGNATED AGENT Joseph C. Vanzant, Jr.  
Address P. O. Drawer 40 Address P. O. Drawer 40  
Buckhannon, WV 26201 Buckhannon, WV 26201

STATE OF WEST VIRGINIA, )  
COUNTY OF UPSHUR ) SS:

Chris Shea and Joseph C. Pettey  
being first duly sworn according to law, depose and say that they are experienced in the work of  
plugging and filling oil and gas wells; that they were employed by Union Drilling, Inc.  
the well operator, and participated in the work of plugging and filling the above well; that the work  
was commenced on October 4, 19 82, and completed on October 4, 1982, in the  
following manner:

PERMITTED WORK: Partial Plugging / Clean out and replug \_\_\_ /

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness
Neat		Formation plug	
	gel	7750	5171

Bridge Plugs Used--Type and Depth

VENT PIPE

MISCELLANEOUS MATERIALS

CASING LOST 1294.82 fee of 41/2"

TYPE OF RIG:

Owner: Well Op' XXX / Contractor \_\_\_

Rig time: \_\_\_ days plus \_\_\_ hours

COAL SEAMS (NAMES AND DEPTHS)

DESCRIPTION OF WELL MONUMENT

Producing well.

**RECEIVED**

JAN 12 1983

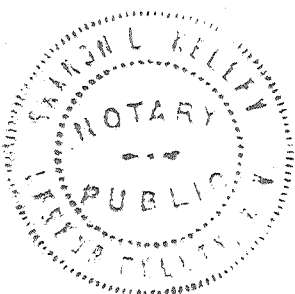
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

Joseph C. Pettey (SEAL)  
Joseph C. Pettey, Vice President of Prod.  
Christopher Shea (SEAL)  
Chris Shea, Pet. Engineer

Subscribed and sworn to before me this

21st day of December, 19 82.

My commission expires May 22, 19 89.



Shawn L. Kelley  
Notary Public

RAN - 0672

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Mower Lumber Company Operator Well No.: 821125

LOCATION: Elevation: 3650' Quadrangle: Wildell  
District: Valley Bend County: Randolph  
Latitude: 1770 Feet South of 38 Deg. 45 Min. 00 Sec.  
Longitude: 10,450 Feet West of 79 Deg. 47 Min. 30 Sec.

Well Type: OIL \_\_\_\_\_ GAS X

Company: Columbia Natural Resources Coal Operator United States of America  
Rt. 1 Box 107-10 or Owner Monongahela National Forest  
Buckhannon, WV 26201 200 Sycamore Street

Agent: Carl Starr Coal Operator Elkins, WV 26241  
or Owner \_\_\_\_\_

Permit Issued Date: 7/11/2002

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Upshur ss:

Timothy Grogg and Alvin Sorcan being first duly sworn according to

law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Craig Duckworth Oil and Gas Inspector representing the Director, say that said work was commenced on the 29th day of August, 2002, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	5132'	5018'	4 1/2" 2315'	2857'
Gel	5018'	4187'		
Cemnt	4187'	4062'		
Gel	4062'	3298'		
Cemnt	3298'	3145'		
Gel	3145'	2315'		
Cemnt	2315'	2217'		
Gel	2217'	100'		

Cemnet 100' surface

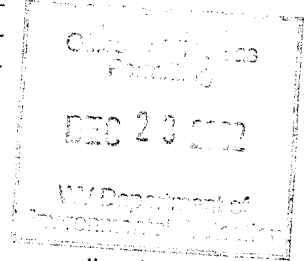
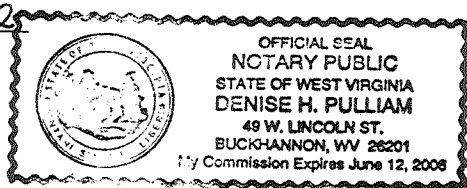
Description of monument: 8" pipe 5' above ground and that the work of plugging and filling said well was completed on the 9th day of September, 2002.

And furthur deponents saith not. Timothy Grogg  
Alvin Sorcan

Sworn and subscribe before me this 3rd day of October, 2002.  
My commission expires: June 12, 2006

Denise H. Pulliam  
Notary Public

Oil and Gas Inspector: Craig Duckworth



RAN 0672

JAN 10 2003