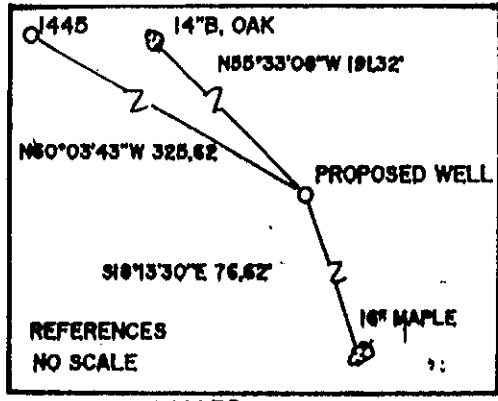
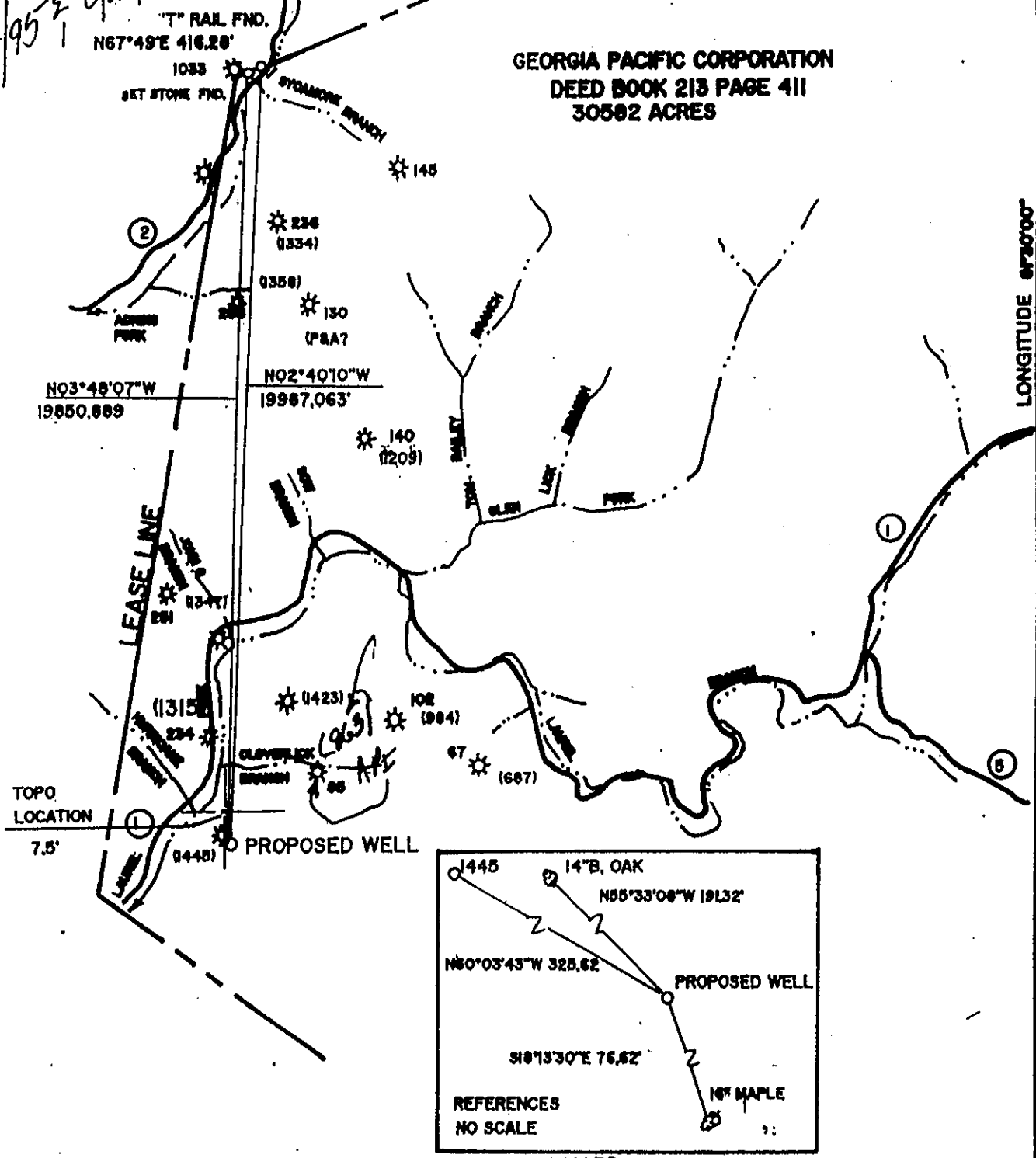


*James*  
 5/24/95 1/8/2097

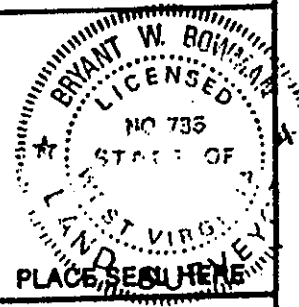
LATITUDE 37°42'30"



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=4000'  
 MINIMUM DEGREE OF ACCURACY 1:2500  
 PROVEN SOURCE OF ELEVATION U.S.G.S. BM R-180  
 (1958) ELEV. 1421

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) *Raymond Brown*  
 R.P.E. \_\_\_\_\_ L.L.S. 736



WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506



DATE 03-15 19 95  
 OPERATOR'S WELL NO. 2C-270  
 API WELL NO. 47-109-01652-CP  
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS  LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW  
 LOCATION: ELEVATION 2168 WATER SHED CLOVERLICK BRANCH OF LAUREL FORK  
 DISTRICT SLAB FORK COUNTY WYOMING  
 QUADRANGLE MATHENY 7.5'

SURFACE OWNER GEORGIA PACIFIC CORPORATION ACREAGE 30582  
 OIL & GAS ROYALTY OWNER WYOMING POCAHONTAS LAND CO LEASE ACREAGE 30582

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 LOWER CRETACEOUS LOWER ESTIMATED DEPTH 1600  
 WELL OPERATOR PENN VIRGINIA OIL & GAS CORP. DESIGNATED AGENT DANA BLACKSHIRE  
 ADDRESS 999 EXECUTIVE PARK BLVD. SUITE 300 ADDRESS P.O. BOX 480

LONGITUDE 97°00'00"

NORTH

COUNTY NAME WYO

PERMIT 1652 P

MAY 2 1995

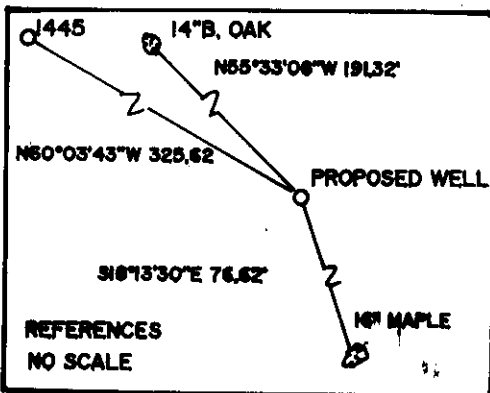
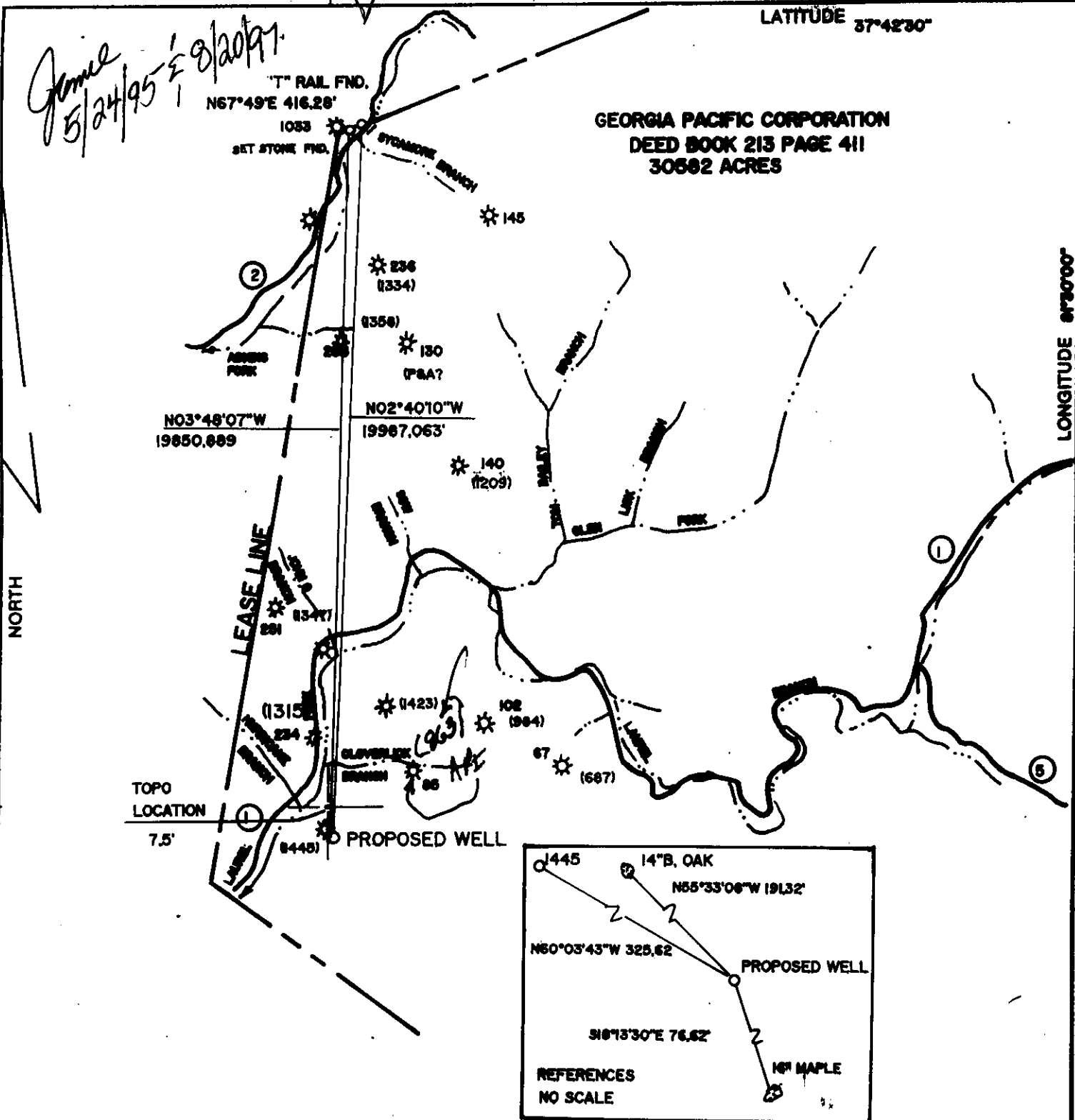
11000'

LATITUDE 37°42'30"

*James*  
5/24/95 1/2 9/20/97

"T" RAIL FND.  
N67°49'E 416.28'  
1053  
SET STONE FND.

GEORGIA PACIFIC CORPORATION  
DEED BOOK 213 PAGE 411  
30582 ACRES



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=4000'  
 MINIMUM DEGREE OF ACCURACY 1/2500  
 PROVEN SOURCE OF ELEVATION U.S.G.S. BM R-180  
(1958) ELEV. 1421

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(SIGNED) [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 736



WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506



DATE 03-15, 19 95  
 OPERATOR'S WELL NO. 2C-270  
 API WELL NO. \_\_\_\_\_  
47-109-01652-C  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 2169 WATER SHED CLOVERLICK BRANCH OF LAUREL FORK  
 DISTRICT SLAB FORK COUNTY WYOMING  
 QUADRANGLE MATHENY 7.5'

SURFACE OWNER GEORGIA PACIFIC CORPORATION ACREAGE 30582  
 OIL & GAS ROYALTY OWNER WYOMING POCAHONTAS LAND CO LEASE ACREAGE 30582

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 LOWER BUCKLEY FIRE CLAY, LOWER ESTIMATED DEPTH 1600  
 WELL OPERATOR PENN VIRGINIA OIL & GAS CORP. DESIGNATED AGENT DANA BLACKSHIRE  
 ADDRESS 999 EXECUTIVE PARK BLVD., SUITE 300 ADDRESS P.O. BOX 460

FORM WW-6

HALLS INC. 068065

LONGITUDE 87°00'00"

00311

COUNTY NAME WYO

PERMIT 1507-CAN

11000'

LATITUDE 37°42'30"

*James*  
5/24/95

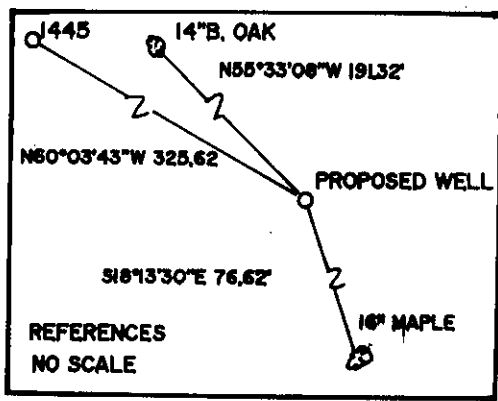
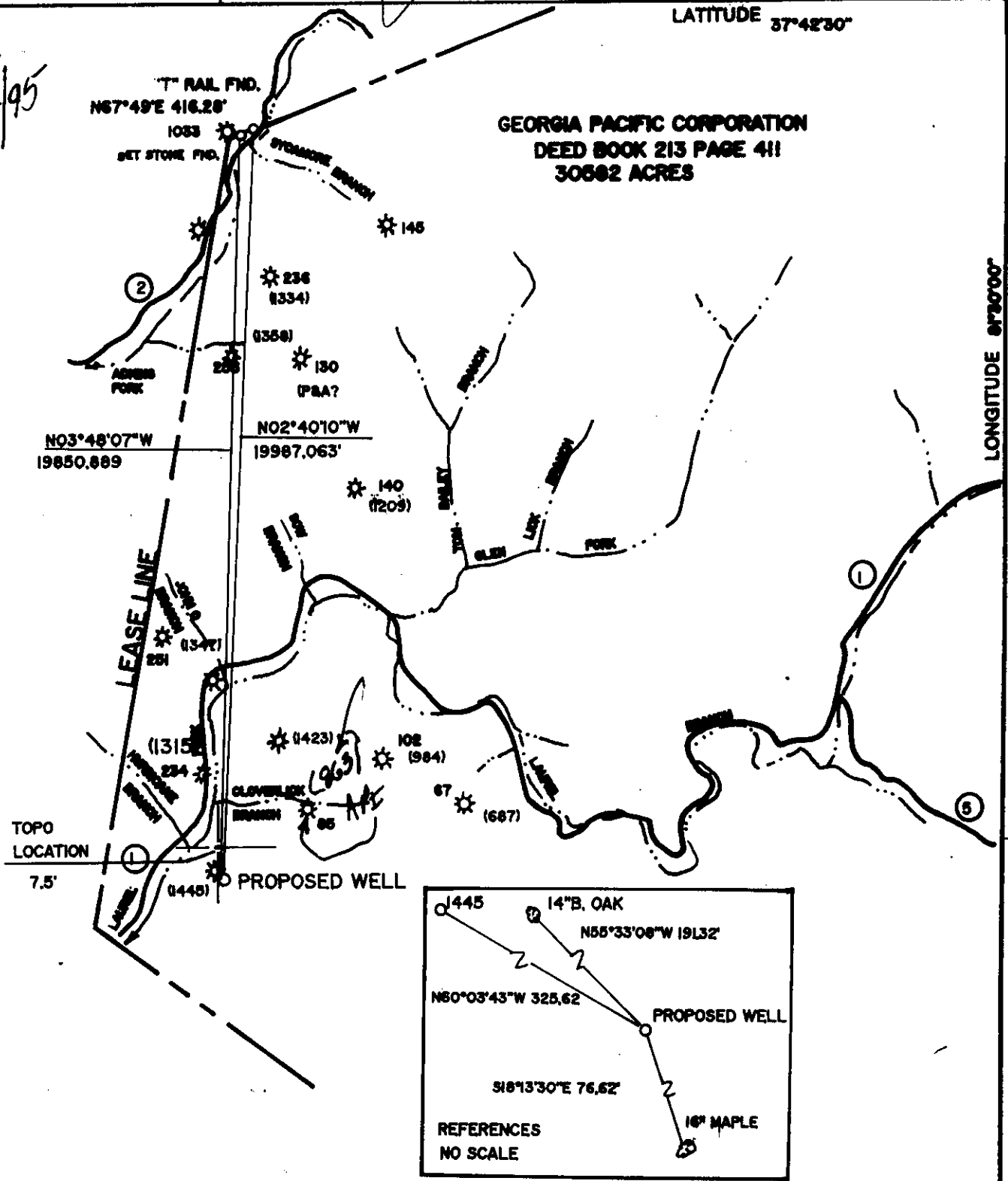
T<sup>h</sup> RAIL FND.  
N67°49'E 416.28'  
1053  
SET STONE FND.

GEORGIA PACIFIC CORPORATION  
DEED BOOK 213 PAGE 41  
30582 ACRES

NORTH

LONGITUDE 81°02'00"

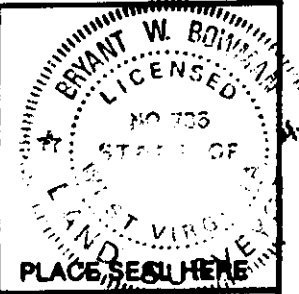
100911



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=4000'  
 MINIMUM DEGREE OF ACCURACY 1:2500  
 PROVEN SOURCE OF ELEVATION U.S.G.S. BM R-180  
(1958) ELEV. 1421

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. 736



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE 03-15, 19 95  
 OPERATOR'S WELL NO. 2C-270  
 API WELL NO. 47-109-01507-C  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 2168 WATERSHED CLOVERLICK BRANCH OF LAUREL FORK  
 DISTRICT SLAB FORK COUNTY WYOMING  
 QUADRANGLE MATHENY 7.5'  
 SURFACE OWNER GEORGIA PACIFIC CORPORATION ACREAGE 30582  
 OIL & GAS ROYALTY OWNER WYOMING POCAHONTAS LAND CO. LEASE ACREAGE 30582  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
 STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
 FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 now: 109  
 1652

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION LOWER BECKLEY FIRE CLIFF LOWER ESTIMATED DEPTH 1600  
 WELL OPERATOR PENN VIRGINIA OIL & GAS CORP. DESIGNATED AGENT DANA BLACKSHIRE  
 ADDRESS 888 EXECUTIVE PARK BLVD. SUITE 300 ADDRESS P.O. BOX 160

JUN 19 1997

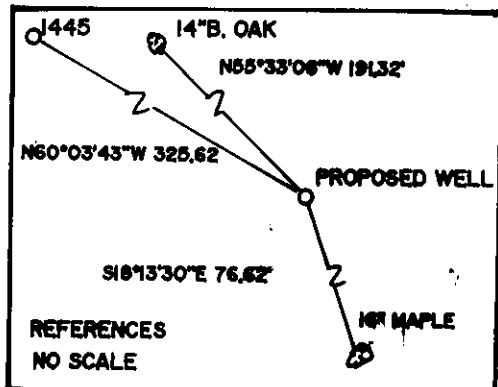
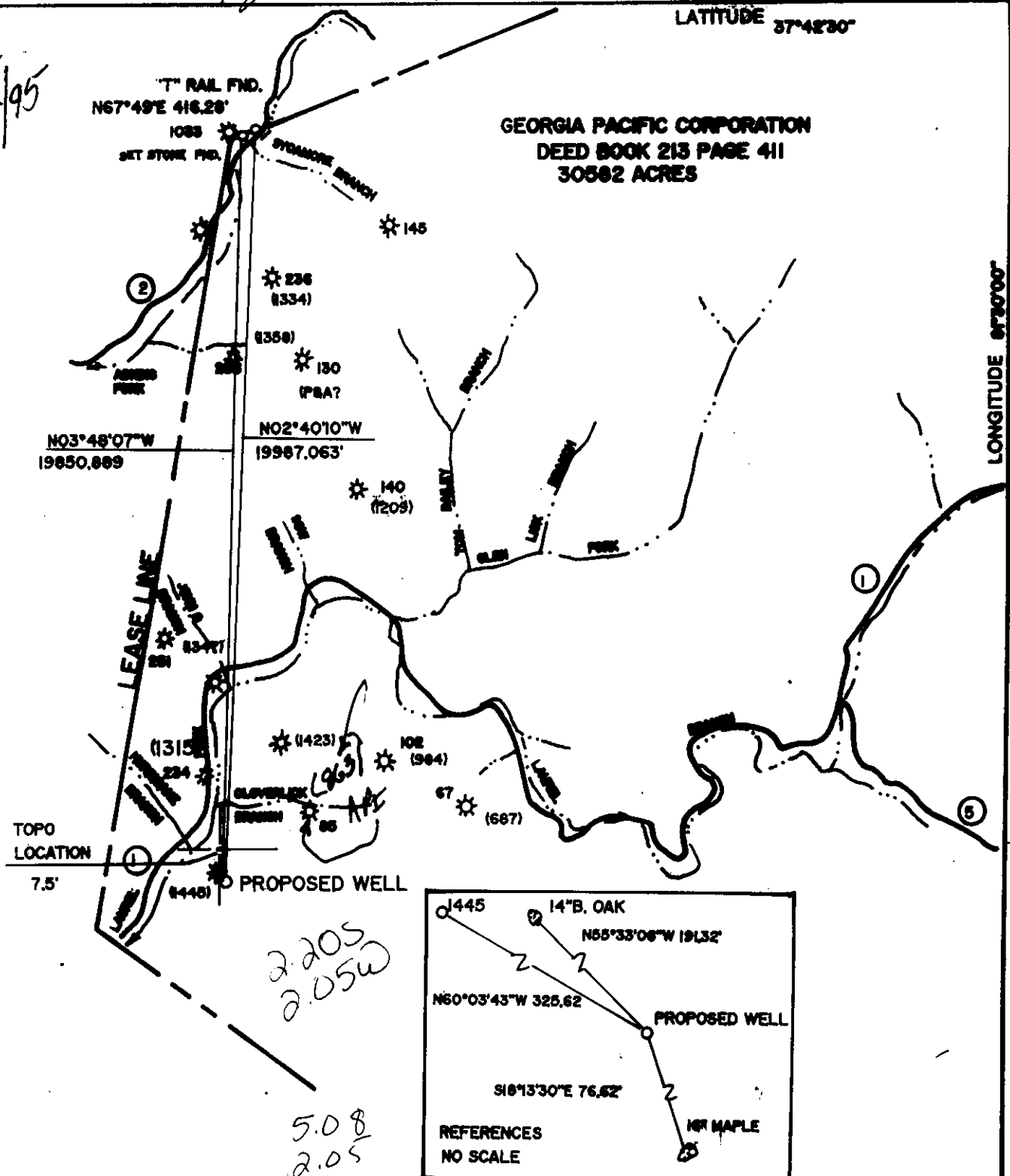
FORM WW-6

COUNTY NAME WYO  
PERMIT 1507-C

*James*  
5/24/95

T<sup>h</sup> RAIL FND.  
N67°49'E 416.28'  
1088  
SET STONE FND.

GEORGIA PACIFIC CORPORATION  
DEED BOOK 213 PAGE 411  
30582 ACRES

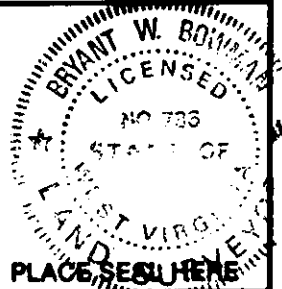


2.205  
2.05W  
5.08  
2.05

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=4000'  
 MINIMUM DEGREE OF ACCURACY L-2500  
 PROVEN SOURCE OF ELEVATION U.S.G.S. BM R-180  
(1958) ELEV. 1421

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. 736



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE 03-15, 19 95  
 OPERATOR'S WELL NO. 2C-270  
 API WELL NO. 47-109-01507-C  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 2168 WATER SHED CLOVERLICK BRANCH OF LAUREL FORK COAL NORTH  
 DISTRICT SLAB FORK COUNTY WYOMING  
 QUADRANGLE MATHENY 7.5' Windsorville Nk  
 SURFACE OWNER GEORGIA PACIFIC CORPORATION ACREAGE 30582  
 OIL & GAS ROYALTY OWNER WYOMING POCAHONTAS LAND CO. LEASE ACREAGE 30582  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

now: 109 1652

PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION LOWER PENNSYLVANIAN ESTIMATED DEPTH 1600  
 WELL OPERATOR PENN VIRGINIA OIL & GAS CORP. DESIGNATED AGENT DANA BLACKSHIRE  
 ADDRESS 999 EXECUTIVE PARK BLVD, SUITE 300 ADDRESS P.O. BOX 460

MAY 30 1995

FORM WW-8

590930 HALLS INC.

COUNTY NAME PERMIT

WR-35

15-Aug-97  
API # 47-109-01652 C

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

RECEIVED  
OFFICE OF OIL AND GAS

Farm name: GEORGIA-PACIFIC CORP. Operator Well No.: 2C-270

LOCATION: Elevation: 2,168.00 Quadrangle: MATHENY

District: SLAB FORK County: WYOMING  
Latitude: 11600 Feet South of 37 Deg. 42Min. 30 Sec. Section  
Longitude 11000 Feet West of 81 Deg. 30 Min. 0 Sec.

Company: PENN VIRGINIA OIL AND GAS  
999 EXEC. PARK BLVD., STE. 300  
KINGSPORT, TN 37660-0000

Agent: DANA BLACKSHIRE

Inspector: OFIE HELMICK  
Permit Issued: 08/20/97  
Well work Commenced: 10/23/97  
Well work Completed: 02/21/98  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary  Cable \_\_\_\_\_ Rig  
Total Depth (feet) 1660'  
Fresh water depths (ft) Damp at 170'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"	89'	89'	41
4 1/2"	1641'	1641'	586

Salt water depths (ft) \_\_\_\_\_

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): \_\_\_\_\_

OPEN FLOW DATA

L Poca 4, Poca 4, Poca 6,  
L Firecreek coals & sand,  
Producing formation Firecreek, Beckley & U Beckley Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow 0 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow show MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 366 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

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.

For: PENN VIRGINIA OIL AND GAS CORPORATION

By: William M Ryan  
Date: 5/7/98

5/29/98

WYO 1652-C

FORM WR-35R  
(REVERSE)

PERMIT #: 47-109-01652-C  
WELL#: 2C-270

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC

- Stage 1 Perforated the Lower Poca 4 coal seam from 1556' - 1557' with 4 holes and the Poca 4 coal seam from 1514' - 1517' with 12 holes. Breakdown with 250 gallons of 15% HCL acid and treated water. Treated with 334 barrels of water and 2,900 lbs of 20/40 sand.  
ATR: 13.5 BPM ATP: 3100 psi ISIP: 2100 psi
- Stage 2 Perforated the Poca 6 coal seam from 1394' - 1397' with 12 holes, the Lower Fire Creek coal seam from 1352' - 1354' with 4 holes and the Lower Fire Creek sand from 1330' - 1332' with 4 holes. Breakdown with treated water. Treated with 382 barrels of water, 250 gallons of 15% HCL acid and 10,300 lbs 20/40 sand.  
ATR: 14.3 BPM ATP: 2600 psi ISIP: 1150 psi
- Stage 3 Perforated the Beckley coal seam from 1241' to 1244' with 12 holes and the Fire Creek coal seam from 1286' - 1288' with 8 holes. Breakdown with 250 gallons 15% HCL acid and treated water. Treated with 250 barrels water and 4,000 lbs 20/40 sand.  
ATR: 14.2 BPM ATP: 2575 psi ISIP: 1625 psi
- Stage 4 Perforated the Upper Beckley coal seam from 1138' - 1141' with 12 holes. Breakdown with treated water. Treated with 183 barrels of water, 85 gallons 15% HCL acid and 3,900 lbs 20/40 sand.  
ATR: 14.2 BPM ATP: 2275 psi ISIP: 1625 psi

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand & Shale	0	420	
Sand	420	453	
Coal	453	455	
Sand & Shale	455	634	
Coal	634	636	
Sand & Shale	636	760	
Sand	760	878	
Sand & Shale	878	1138	
Upper Beckley	1138	1139	
Sand & Shale	1139	1240	
Beckley Coal	1240	1243	
Sand & Shale	1243	1285	
Fire Creek Coal	1285	1287	
Sand & Shale	1287	1352	
Lower Fire Creek Coal	1352	1353	
Sand & Shale	1353	1394	
Poca 6 Coal	1394	1397	
Sand & Shale	1397	1514	
Poca 4 Coal	1514	1517	
Sand & Shale	1517	1556	
Lower Poca 4 Coal	1556	1557	
Sand & Shale	1557	1645	Gas check - No shows reported

SEARCHED  
 INDEXED  
 SERIALIZED  
 FILED  
 JUN 11 1968  
 FEDERAL BUREAU OF INVESTIGATION  
 U.S. DEPARTMENT OF JUSTICE  
 WASHINGTON, D.C.

109-1507

PUBLIC NOTICE

Notice is hereby given that the Chief of the Office of Oil and Gas of the Division of Environmental Protection proposes to take action to approve a request to drill and produce four (4) wells drilled to the coals in Wyoming County, West Virginia. Approval of these applications will allow Penn Virginia Oil & Gas Corporation to produce methane gas from coalbed methane wells through 4 1/2" casing.

Interested persons may make comments to the Chief in writing within fifteen (15) days to:

West Virginia Division of Environmental Protection  
Office of Oil and Gas  
#10 McJunkin Road  
Nitro, West Virginia 25143

A copy of these Penn Virginia Oil & Gas Corporation requests may be examined at the Office of Oil and Gas at the address above.

Copy of ad ran in the  
Independent Herald  
in Pineville and a  
copy ran in the  
Beckley Herald.

I will send you a  
copy when I receive  
them.

**RECEIVED**  
WV Division of  
Environmental Protection

MAY 05 1995

Permitting  
Office of Oil & Gas

RECEIVED

WV Division of Environmental Protection

MAY 05 1995

1) Date: 03-05-1995
2) Operator's well number 2C-270
3) API Well No: 47 - 109 - 1507-C
State - County - Permit

Permitting Office of Oil & Gas STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: (a) Name Georgia Pacific Corporation, Address P.O. Box 105605, Atlanta, GA 30348
5) (a) Coal Operator: Name, Address
(b) Coal Owner(s) with Declaration Name Wyoming Pocahontas Land Co., Inc., Address 39 Robin Place, Beckley, WV 25801
6) Inspector Ofie Helmick, Address P.O. Box 398, Brenton, WV 24818, Telephone (304)-732-9135
(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

X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B 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)

X Publication (Notice of Publication attached)

I have read and understand Chapter 22B 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, 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.

Well Operator PENN VIRGINIA OIL & GAS CORPORATION

By: [Signature]

Its: Vice President

Address 999 Executive Park Blvd., Suite 300 Kingsport, TN 37660

Telephone 1-615-392-0500

Subscribed and sworn before me this 28th day of June, 1995

[Signature: Kita Gibson]

Notary Public

My commission expires 2-13-99



STATE OF WEST VIRGINIA  
 Environmental Protection Division OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WELL WORK PERMIT APPLICATION

MAY 05 1995

37355 (7) 463

Well Operator: PENN VIRGINIA OIL & GAS CORPORATION

Office of Oil & Gas Well Number: 2C-270

3) Elevation: 2168

Well type: (a) Oil    / or Gas X /

(b) If Gas: Production X / Underground Storage    /  
 Deep    / Shallow    /

Issued 05/24/95  
 Expires 05/24/97

- 5) Proposed Target Formation(s): Lower Beckley, Fire Creek, Lower Fire Creek, Poca 6 & 4 Coals
- 6) Proposed Total Depth: 1600 feet
- 7) Approximate fresh water strata depths: None Reported
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: 1150, 1250, 1290, 1393, 1500
- 10) Does land contain coal seams tributary to active mine? Yes    / No    /
- 11) Proposed Well Work: Drill & Complete a well in the coals listed above
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor						
Fresh Water	9 5/8"	L.S.	29.3	100	100	35
Coal						
Intermediate						
Production	4 1/2"	J-55	10.5	1600	1600	155
Tubing						
Liners						

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Office of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond SB Blanket Agent  
 (Type)

1512  
 25

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

109 1652 - e

- 1) Well Operator: PENN VIRGINIA OIL & GAS CORPORATION 37355 (1) 463
- 2) Operator's Well Number: 2C-270 3) Elevation: 2168
- 4) Well type: (a) Oil    / or Gas X / *Issued 08/20/97 Expired 08/20/99*  
 (b) If Gas: Production X / Underground Storage    /  
 Deep    / Shallow    /  
*(W20:1091507)*
- Proposed Target Formation(s): Upper Beckley, Beckley, Lower Fire Creek, Fire Creek, Poca 6, 4 and 3
- Proposed Total Depth: 1700 feet
- Approximate fresh water strata depths: None Reported
- Approximate salt water depths: N/A
- 9) Approximate coal seam depths: 150, 450, 470, 650, to be treated 1170, 1245, 1290, 1350, 1395, 1500 & 1560\*
- 10) Does land contain coal seams tributary to active mine? Yes    / No X /
- 11) Proposed Well Work: Drill and complete a CBM well in the coal listed above
- 12) \* Coal depths based on the coal log ran on WP-270

**RECEIVED**  
 Division of Environmental Protection  
 Permitting Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						<i>30CS/11.3</i>
Fresh Water	9 5/8	L.S.	26	80	80	25
Coal						
Intermediate						
Production	4 1/2	M-65	9.5	1700	1700	174
Tubing						<i>30CS/11.1</i>
Liners						

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

-----  
 For Office of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-23  Bond \_\_\_\_\_  Agent \_\_\_\_\_  
 (Type)

24104

*120*

RECEIVED  
WV Division of  
Environmental Protection  
AUG 04 1997

1) Date: July 31, 1997  
2) Operator's well number  
2C-270  
3) API Well No: 47 - 109 - 1652-C  
State County Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name Georgia-Pacific Corporation Name  
Address P.O. Box 105605 Address  
Atlanta, GA 30348
- (b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_ Name Wyoming Pocahontas Land Co., Inc.  
Address 39 Robin Place  
Beckley, WV 25801
- (c) Name \_\_\_\_\_ Name  
Address \_\_\_\_\_ Address \_\_\_\_\_
- 6) Inspector Ofie Helmick (c) Coal Lessee with Declaration  
Address P.O. Box 398 Name  
Brenton, WV 24818 Address  
Telephone (304)-543-0764

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)  
 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, 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.

Well Operator PENN VIRGINIA OIL & GAS CORPORATION  
By: *C. M. Randolph*  
Its: Vice President  
Address 999 Executive Park Blvd., Suite 300  
Kingsport, TN 37660  
Telephone 1-423-392-0500

Subscribed and sworn before me this 31<sup>st</sup> day of July, 1997

*Kita Wilson* Notary Public  
My commission expires 2-13-99

109-1652

NOTICE OF CONSENT

Wyoming Pocahontas Land Company, Inc., as coal owner and/or operator has received a "Notice and Application to Drill" from PENN VIRGINIA OIL & GAS CORPORATION. The "Notice" is for Coalbed Methane Gas Well 2C-270 to be located and indicated on the attached plat. It is also understood that PENN VIRGINIA OIL & GAS CORPORATION intends to stimulate the coals by fracturing, and that by executing this form, consent is given by Wyoming Pocahontas Land Company, Inc., required under West Virginia Code 22-21-7.

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

DATE: \_\_\_\_\_



*Please send in signed copy when you receive it until then please do not file*

RECEIVED  
WV Division of  
Environmental Protection

AUG 04 1997

Permitting  
Office of Oil & Gas

109-1652

PUBLIC NOTICE

Notice is hereby given that the Chief of the Office of Oil and Gas of the Division of Environmental Protection proposes to take action to approve a request to drill and produce eight (8) wells drilled to the coals in Wyoming County, West Virginia. Approval of these applications will allow Penn Virginia Oil & Gas Corporation to produce methane gas from coalbed methane wells through 4 1/2" casing.

Interested persons may make comments to the Chief in writing within fifteen (15) days to:

West Virginia Division of Environmental Protection  
Office of Oil and Gas  
#10 McJunkin Road  
Nitro, West Virginia 25143

A copy of these Penn Virginia Oil & Gas Corporation requests may be examined at the Office of Oil and Gas at the address above.