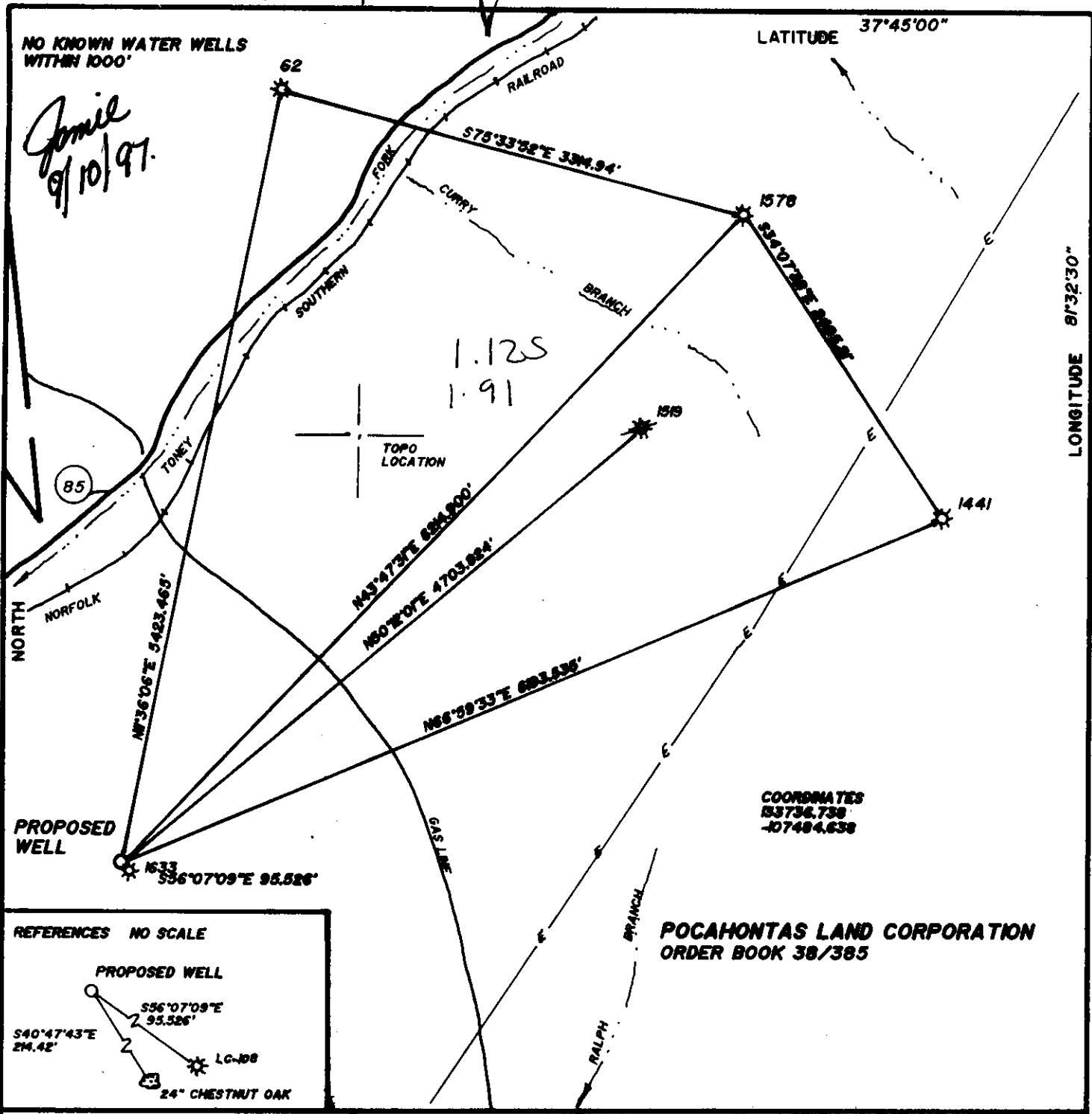


10100'

NO KNOWN WATER WELLS WITHIN 1000'

LATITUDE 37°45'00"

*Jonie
9/10/97.*



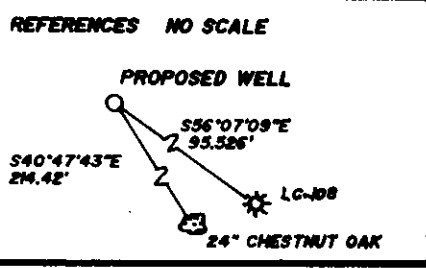
LONGITUDE 81°32'30"

5900'

*1.125
1.91*

COORDINATES
153736.738
-07484.638

POCAHONTAS LAND CORPORATION
ORDER BOOK 38/385



REFERENCES NO SCALE

FILE NO. _____

DRAWING NO. _____

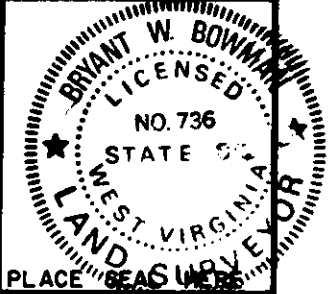
SCALE 1"=1000'

MINIMUM DEGREE OF ACCURACY 1/2000

PROVEN SOURCE OF ELEVATION COPPER PLUG IN ROCK 2783.54'

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) [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 AUGUST 2, 19 97
OPERATOR'S WELL NO. 25C-108
API WELL NO. 47-109-01669C
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 2439 WATER SHED TONEY FORK
DISTRICT OCEANA COUNTY WYOMING
QUADRANGLE MATHENY, WY 7.5'

SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 29500±
OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORPORATION LEASE ACREAGE 29500±
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) _____

PLUG AND ABANDON Cool CLEAN OUT AND REPLUG _____ ESTIMATED DEPTH 2150' SEP 12 1997

TARGET FORMATION _____

WELL OPERATOR PENN VIRGINIA OIL & GAS CORP. DESIGNATED AGENT DANA BLACKSHIRE
ADDRESS 999 EXECUTIVE PARK BLVD. SUITE 300 ADDRESS PO BOX 460
KINGSFORD, TN 37660 RAVENCLIFF, WV 25913

WR-35

09-Sep-97
API # 47-109-01669 C

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

Well Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP. Operator Well No.: 25C-108

LOCATION: Elevation: 2,439.00 Quadrangle: MATHENY

District: OCEANA County: WYOMING
Latitude: 5900 Feet South of 37 Deg. 45Min. 0 Sec.
Longitude 10100 Feet West of 81 Deg. 32 Min. 30 Sec.

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

Agent: ~~DANA-BLACKSHIRE~~
Harry Jewell
Inspector: OFIE HELMICK
Permit Issued: 09/10/97
Well work Commenced: 10/10/97
Well work Completed: 01/21/98
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 2150'
Fresh water depths (ft) Damp at _____
9 5/8" show _____
Salt water depths (ft) _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8"	15'	15'	--
9 5/8"	84'	84'	35
4 1/2"	2118'	2118'	706

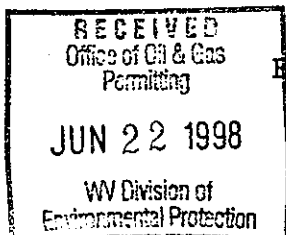
Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

OPEN FLOW DATA

Poca 4, Poca 6, L Fire Creek,
Producing formation Fire Creek, Beckley coals Pay zone depth (ft) _____
Gas: Initial open flow _____ 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 _____ N/A Hours
Static rock Pressure 440 psig (surface pressure) after 1728 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: 6/12/98

WV 10669 C

JUN 29 1998

FORM WR-35R
(REVERSE)

PERMIT #: 47-109-01669-C
WELL#: 25C-108

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC

- Stage 1 Perforated the Poca 6 coal from 1965' - 1969' with 5 holes and the Poca 4 coal from 2080' - 2082' with 3 holes. Breakdown with 1000 gallons of 7.5% HCL acid and water. Treated with 170 barrels of water, 10,000 lbs of 12/20 sand and 285,000 SCF of N2.
ATR: 30 BPM ATP: 2575 psi ISIP: 2100 psi
- Stage 2 Perforated the Beckley coal from 1852' - 1855' with 5 holes, the Fire Creek coal from 1896' - 1899' with 3 holes and the Lower Fire Creek coal from 1920' - 1923' with 4 holes. Breakdown with 750 gallons of 7.5% HCL acid and water. Treated with 328 barrels water, 17,400 lbs 12/20 sand and 535,000 SCF of N2.
ATR: 40 BPM ATP: 3100 psi ISIP: 2025 psi

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand, Shale & Coal	0	274	Coals @ 122-124, 132-134, 196-198, 272-274
Sand & Shale	274	530	
Sand, Shale & Coal	530	740	Coals @ 530-535, 580-582, 696-698, 730-732, 738-740
Sand & Shale	740	1370	
Sand	1370	1658	
Sand & Shale	1658	1852	
Beckley Coal	1852	1859	
Sand & Shale	1859	1897	
Fire Creek Coal	1897	1898	
Sand & Shale	1898	1921	
L Fire Creek Coal	1921	1923	
Sand & Shale	1923	1964	
Poca 6 Coal	1964	1967	
Sand & Shale	1967	2080	
Poca 4 Coal	2080	2081	
Sand & Shale	2081	2156	Gas check @ TD - 169 MCF

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

- 1) Well Operator: Equitable Resources Energy Company 16155 (6) 241
2) Operator's Well Number: WVC 3693
Well type: (a) Oil ___ / or Gas X / CBM
(b) If Gas: Production ___ / Underground Storage ___ / Deep ___ / Shallow ___
3) Elevation: 2183.4
Issued 09/12/1997
Expires 09/12/1999
Proposed Target Formation(s): Pennsylvanian Coals
Proposed Total Depth: 2090 feet
Approximate fresh water strata depths: Unknown
8) Approximate salt water depths: Unknown
9) Approximate coal seam depths: See Attached Prognosis
10) Does land contain coal seams tributary to active mine? Yes ___ / No ___ /
11) Proposed Well Work: Drill - Stimulate - Complete

RECEIVED
Office of Oil & Gas
Permitting Section
Aug 25 1997

CASING AND TUBING PROGRAM

Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, 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 [] Agent
(Type)

24170

6714/27

1) Date: August 8, 1997
2) Operator's well number
WVC-3693
3) API Well No: 47 - 47 - 1318-C
State County Permit

RECEIVED
WV D...
Environment...
Action

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

Surface Owner(s) to be served:
(a) Name Roger Woods
Address Box 133
Bradshaw, WV 24817
(b) Name Leonard Woods
Address 501 Goshen Court
Gahanna, OH 43230
(c) Name James N. & Alisa Rowe
Address Box 104
Bradshaw, WV 24817
Inspector Offie Helmick
Address P.O. Box 398
Brenton, WV 24818
Telephone (304)-759-0579

5) (a) Coal ~~Operator~~: Owner
Name Lizzie Evans Heirs (750')
Address c/o William McKinley Evans
Route 4, Box 61, Clinton, WV 24921
(b) Coal Owner(s) with Declaration
Name Pocahontas Land Corporation
Address P.O. Box 1517
Bluefield, WV 24701
Name Clara Carter Heirs (750')
Address c/o Patsy Cundiff
709 Fredrick Street, Bluefield, WV 24701
(c) Coal Lessee with Declaration
Name Alpine Development Company
Address P.O. Box 303
Welch, WV 24801

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 22, Article 6, Section (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, 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 Equitable Resources Energy Company
By: Michael P. Jackson
Its: Manager-Drilling & Workover
Address 1989 East Stone Drive, P.O. Box 1983
Kingsport, Tennessee 37662-1983
Telephone (423) 224-3800

Subscribed and sworn before me this 8th day of August, 1997

Gayne Irene Neaves Notary Public
My commission expires December 31, 2000

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

109 1669C

- 1) Well Operator: PENN VIRGINIA OIL & GAS CORPORATION 37355 (D) 463
- 2) Operator's Well Number: 250-108 3) Elevation: 2439
- Well type: (a) Oil / or Gas X /
- (b) If Gas: Production X / Underground Storage /
 Deep / Shallow /
- Proposed Target Formation(s): Beckley, L. Fire Creek, Poca 3 Coals
- Proposed Total Depth: 2150 feet
- Approximate fresh water strata depths: 1150
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: 100, 180, 200, 260, 510, 600, 710, to be treated:
1850, 1920, 2070
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Drill & Complete CBM well in coals listed above
- 12)

Issued 09/10/1997
 Expired 09/10/1999

24210

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		Weight per ft.	For drilling	FOOTAGE INTERVALS Left in well	CEMENT Fill-up (cu. ft.)
	Size	Grade				
Conductor						380SR10/11.3
Fresh Water	9 5/8	L.S.	26	80	80	25
Coal						380SR10/12.2
Intermediate						
Production	4 1/2	M-65	9.5	2100	2100	220
Tubing						380SR10/11.1
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

10/10 24/27

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)

1) Date: August 02, 1997
2) Operator's well number 25C-108
3) API Well No: 47 - 109 - 1669-C
State County Permit

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 <u>Pocahontas Land Corp</u> | Name <u>Eastern Associated Coal Corp</u> |
| Address <u>PO Box 1517</u> | Address <u>800 Laidley Tower</u> |
| <u>Bluefield, WV 24701</u> | <u>Charleston, WV 25324</u> |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>Pocahontas Land Corporation</u> |
| | Address <u>PO Box 1517</u> |
| | <u>Bluefield, WV 24701</u> |
| (c) Name _____ | Name _____ |
| Address _____ | Address _____ |
- 6) Inspector Mr. Ofie Helmick (c) Coal Lessee with Declaration
- | | |
|------------------------------------|---------------|
| Address <u>Post Office Box 398</u> | Name _____ |
| <u>Brenton, WV 24818-0398</u> | Address _____ |
| Telephone (304)- <u>543-0764</u> | |

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 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)
- X 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. Handley
 Its: Vice President
 Address 999 Executive Park Blvd., Suite 300
Kingsport, TN 37660
 Telephone 1-423-392-0500

Subscribed and sworn before me this 21st day of August, 1997

Keta Wilson Notary Public
 My commission expires 2-13-99