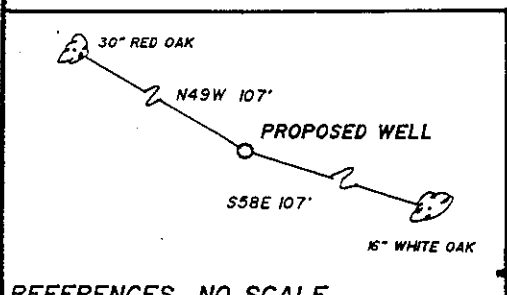


0.355
0.95 W

COORDINATES
271689.222
1838298.033
NAD 27 SOUTH

POCAHONTAS LAND CORPORATION
ORDER BOOK 38/385

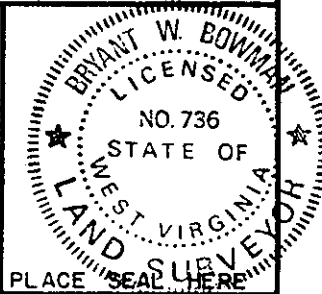
NO KNOWN WATER WELLS
WITHIN 1000'



REFERENCES NO SCALE

FILE NO. _____
DRAWING NO. _____
SCALE 1\"/>

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) Bryant W. Bowman
R.P.E. _____ L.L.S. 736



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



DATE MAY 25, 19 98
OPERATOR'S WELL NO. 43C
API WELL NO. 47-109-01744C
STATE COUNTY PERMIT

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION X STORAGE _____ DEEP _____ SHALLOW _____)
LOCATION: ELEVATION 2767 WATER SHED TONEY FORK
DISTRICT OCEANA COUNTY WYOMING
QUADRANGLE MATHENY, WV 7.5'
SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 23058±
OIL & GAS ROYALTY OWNER POCAHONTAS LAND CORPORATION LEASE ACREAGE 34586±
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 _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION Sew. Lit. Rgl. Beckley, Poca 4,5,6 ESTIMATED DEPTH 2700'
WELL OPERATOR PENN VIRGINIA OIL & GAS CORP DESIGNATED AGENT MR. HARRY JEWEL
ADDRESS 999 EXECUTIVE PARK BLVD, SUITE 300 ADDRESS PO BOX 460
KINGSPORT, TN 37660 RAAVENCLIFF, WV 25913

Charleston, WV

WYO 1744C

WR-35

16-Jul-98
API # 47-109-01744 c

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

Reviewed K

0002 6 I NAF

Well Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP Operator Well No.: 43C

LOCATION: Elevation: 2,767.00 Quadrangle: MATHENY

District: OCEANA County: WYOMING
Latitude: 1900 Feet South of 37 Deg. 45Min. 0 Sec.
Longitude 5050 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: HARRY JEWELL, III

Inspector: OFIE HELMICK
Permit Issued: 07/16/98
Well work Commenced: 09/28/98
Well work Completed: 10/01/99
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 2531'
Fresh water depths (ft) Damp at 135'

Salt water depths (ft) _____

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

Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8"	20'	17'	0
7"	972'	972'	501 cu ft
4 1/2"	2420'	2420'	403 cu ft

Office of Oil & Gas
Permitting
JAN 12 2000
WV Division of

OPEN FLOW DATA

Fire Creek and Beckley Coals

Producing formation Poca 6, Lower Fire Creek 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 _____ Hours
Static rock Pressure NA 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: 1/7/2000

WYO 1744 C

FEB 18 2000

FORM WR-35R
(REVERSE)

PERMIT #: 47-109-01744
WELL #: LC-43C

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC.

Stage 1	Poca 6 Lower Fire Creek	Perforated the Poca 6 from 2299' to 2301' with 10 holes and the Lower Fire Creek from 2258'-2260' with 10 holes. Breakdown with 500 gallons 15% HCL acid and water. Treated with 351 bbls water and 7700 lbs 20/40 sand. ATR: 13.2 BMP ATP: 1650 psi ISIP: 1250
Stage 2	Beckley and Fire Creek Coals	Perforated the Fire Creek from 2192' to 2195' with 9 holes and the Beckley from 2167' to 2172' with 15 holes. Breakdown with 500 gallons 7.5% HCL acid and water. Treated with 340 bbls water and 8600 lbs 20/40 sand.

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand	0	60	
Sand & Shale	60	395	Coals @ 334'-337' and 885'-888'
Sand	395	488	
Sand & Shale	488	550	
Sand	550	728	
Sand & Shale	728	800	
Sand	800	1010	
Sand & Shale	1010	1650	
Sand	1650	2168	
Beckley Coal	2168	2171	
Shale	2171	2192	
Beckley Coal	2192	2195	
Sand & Shale	2195	2231	
Fire Creek Coal	2231	2232	
Sand	2232	2258	
Lower Fire Creek Coal	2258	2259	
Sand & Shale	2259	2299	
Poca 6 Coal	2299	2300	
Sand	2300	2531	No Shows Reported