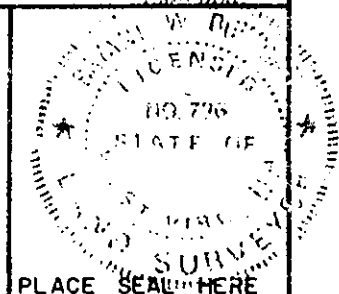


FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1/3000
 PROVEN SOURCE OF ELEVATION COPPER PLUG IN ROCK
ELEVATION 2783.54

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) *Ryan D. Southman*
 R.P.E. _____ L.L.S. 736



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS #10 McJUNKIN ROAD NITRO, WEST VIRGINIA 25143-2506



DATE 03-28 19 99
 OPERATOR'S WELL NO. 46-55C
 API WELL NO. 47-109-01812C
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___)
 LOCATION: ELEVATION 1692.5 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 ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Pogo 4, 5, 6, Fire Creek, Beckley Oolite ESTIMATED DEPTH 1700'
 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 RAVENCLIFF, WY 25913

JUN 14 1999

WYO 1812-C

RESTON BLUEPRINT 087151

WR-35 Office of Oil & Gas Permitting

JAN 12 2000

Division of Environmental Protection

08-Jun-99

API # 47-109-01812 C

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

Reviewed K

Farm name: POCAHONTAS LAND

Operator Well No.: LC-55C

LOCATION: Elevation: 1,692.00 Quadrangle: MATHENY

District: OCEANA County: WYOMING
Latitude: 1800 Feet South of 37 Deg. 45Min. 0 Sec.
Longitude 9600 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: 06/09/99
Well work Commenced: 09/01/99
Well work Completed: 10/12/99
Verbal Plugging
Permission granted on:
Rotary X Cable _____ Rig
Total Depth (feet) 1450'
Fresh water depths (ft) Damp st 50'
and 393'
Salt water depths (ft) _____

Size	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"		23'	23'	0
7"		310'	310'	77 cu ft
4 1/2"		1431'	1431'	221 cu ft

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

OPEN FLOW DATA

Fire Creek Sand

Producing formation Fire Creek Coal, Beckley Coal 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 1812 C

FEB 18 2000

FORM WR-35R
(REVERSE)

PERMIT #: 47-109-01812
WELL #: LC-55C

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

Stage 1	Lower Fire Creek Sand and Coal	Perforated Sand from 1166' to 1172' with 13 holes and Coal from 1174' to 1178' with 12 holes. Breakdown with 500 gallons of 7.5% HCL acid and water. Treated with 320 bbls of water and 17497 lbs 20/40 sand. ATR: 20 BMP ATP: 2017 psi ISIP: 1305
Stage 2	Lower Beckley Coal	Perforated from 1090' to 1096' with 24 holes. Breakdown with 500 gallons 7.5% HCL acid and water. Treated with 389 bbls of water and 15600 lbs 20/40 sand. ATR: 18.6 BMP ATP: 3158 psi ISIP: 2975 psi

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand	0	60	
Sand & Shale	60	200	Coal @ 33'-37' and 120'-124'
Sand	200	495	
Sand & Shale	495	620	
Sand	620	910	
Sand & Shale	910	1090	
Beckley Coal	1090	1095	
Sand & Shale	1095	1147	
Sand	1147	1174	
Shale	1174	1175	
Fire Creek Coal	1175	1177	
Sand & Shale	1177	1347	
Poca 4 Coal	1347	1348	
Sand	1348	1448	No Shows Reported