

POCAHONTAS LAND CORPORATION
ORDER BOOK 38/385

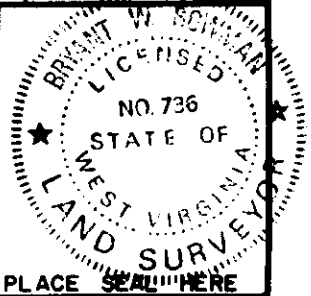
COORDINATES
300635.137
1840509.387
NAD 27
WV SOUTH

NO KNOWN WATER WELLS WITHIN 1000'

REFERENCES NO SCALE

FILE NO. _____
DRAWING NO. _____
SCALE 1"=1000'
MINIMUM DEGREE OF ACCURACY 1/10000
PROVEN SOURCE OF ELEVATION EXISTING WELL
ELEVATION 2737

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



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



DATE 01-22, 19 98
OPERATOR'S WELL NO. LC-182
API WELL NO. 47-005-01673
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___)
LOCATION: ELEVATION 2952 WATER SHED FARLEY BRANCH OF POND FORK
DISTRICT CROOK COUNTY BOONE
QUADRANGLE PLOT KNOB, WV 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 Bechtel, Big Lick, Gordon ESTIMATED DEPTH 5200
WELL OPERATOR PENNY VIRGINIA OIL & GAS CORP DESIGNATED AGENT MR. HARRY JEWEL
ADDRESS 999 EXECUTIVE PARK BLVD., SUITE 300 ADDRESS PO BOX 460 RAVENCLIFF, WV 25913
KINGSPORT, TN 37660

CHARLESTON BLUEPRINT 08/1/98

WR-35
Office of the
Secretary

JAN 19 2000

WV Division of
Environmental Protection

20-Feb-98
API # 47- 5-01673

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.: LC-182

LOCATION: Elevation: 2,852.00 Quadrangle: PILOT KNOB

District: CROOK County: BOONE
Latitude: 3300 Feet South of 37 Deg. 50Min. 0 Sec.
Longitude 3000 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: RICHARD CAMPBELL
Permit Issued: 02/23/98
Well work Commenced: 06/09/98
Well work Completed: 08/05/99
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 3292'
Fresh water depths (ft) Damp at 75'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 1021'-1026', 1123'-1128'

Size	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8"		41'	38'	
9 5/8"		1603'	1603'	675 cu ft
7"		2969'	2969'	560 cu ft
4 1/2"		3203'	3203'	88 cu ft

OPEN FLOW DATA

Producing formation Ravencliff Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 267 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests 4 Hours
 Static rock Pressure 230 psig (surface pressure) after 48 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: 1/10/00

800 1673

FEB 25 2000

FORM WR-35R
(REVERSE)

PERMIT #: 47-5-01673
WELL #: LC-182

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

Stage 1 Ravencliff Perforated from 3106' to 3118' with 25 holes. Breakdown with
250 gallons of 15% HCL acid and N2. Treated with 225 bbls of
gelled water, 54800 lbs of 20/40 sand and 550000 SCF of N2.
ATR: 25 BPM ATP: 2800 psi ISIP: 2450 psi

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand, Shale & Coal	0	1128	
Sand & Shale	1128	1700	
Shale	1700	1835	
Sand	1835	2070	
Sand	2070	2222	
Sand & Shale	2222	2990	
Shale	2990	3038	
Sand	3038	3050	
Shale	3050	3060	
Ravencliff Sand	3060	3119	
Shale	3119	3152	
Avis Limestone	3152	3188	
Shale	3188	3292	No Show @ TD