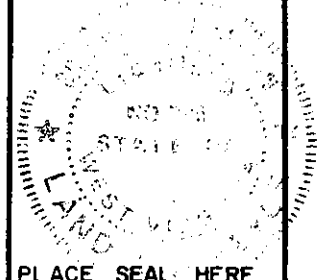


FILE NO. _____
DRAWING NO. _____
SCALE 1"=2000'
MINIMUM DEGREE OF ACCURACY 1/5000
PROVEN SOURCE OF ELEVATION COPPER PLUG IN ROCK
ELEVATION 2783.54

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) Bryan D. Bowman
R.P.E. _____ L.L.S. 736



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6 (8-78)
DATE APRIL 27, 20 01
OPERATOR'S WELL NO. LC-69CR
API WELL NO. 47-109-02057C
STATE COUNTY PERMIT



Division of Environmental Protection
Office of Oil & Gas

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS", PRODUCTION STORAGE ___ DEEP ___ SHALLOW ___)
LOCATION: ELEVATION 3141 WATER SHED TONEY FORK
DISTRICT OCEANA COUNTY WYOMING
QUADRANGLE PILOT KNOB, WV 7.5'
SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 29500±
OIL & GAS ROYALTY OWNER PENN VIRGINIA OIL & GAS CORPORATION LEASE ACREAGE 29500±
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) _____
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION Beckley, Fire Creek, Pocah, S+4 Coals ESTIMATED DEPTH 3100
WELL OPERATOR PENN VIRGINIA OIL & GAS CORP DESIGNATED AGENT MR. HARRY JEWEL
ADDRESS PO BOX 387 DUFFIELD, VA 24244-0387 ADDRESS PO BOX 460 RAVENCLIFF, WV 25913

JUN 15 2001

6-10 248

WYOM. 2057 C

CHARLESTON WV

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

Reviewed ALP

Well Operator's Report of Well Work

Farm Name Pocahontas Land Corporation

Operator Well No.: LC-69CR

LOCATION Elevation: 3140

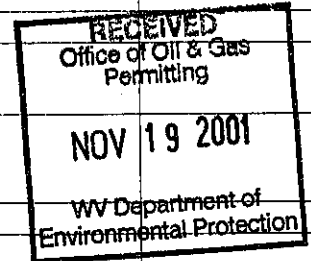
Quadrangle: Pilot Knob 7 1/2'

District: Oceana County: Wyoming
Latitude: 6975 Feet South of 37 Deg. 47 Min. 301 Sec.
Longitude: 10600 Feet West of 81 Deg. 30 Min. 00 Sec.

Company:

Penn Virginia Oil & Gas Corporation

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 387	13 3/8"	33'	33'	0
Duffield, VA 24244	7"	1164'	1164'	169
Agent: Harry Jewell	4 1/2"	2881'	2881'	399
Inspector: Ofie Helmick				
Date Permit Issued: 06/14/2001				
Date Well Work Commenced: 08/06/2001				
Date Well Work Completed: 10/01/2001				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 2,950				
Fresh Water Depth (ft):				
Salt Water Depth (ft):				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft): 398'-401, 491'-494, 853'-858'-Open Mine, 915'-917', 962'-964', 1103'-1112 - Open mine				



OPEN FLOW DATA

Producing formation Beckley & Poca 6 Coals Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow Not Taken MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests: _____ Hours
 Static rock pressure Not Taken 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 CHANE, TEC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed:

By: William M. Ryan
Date: 11/16/01

NOV 30 2001

WYO 2057C

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

PERFORATIONS AND FRACTURING

Stage1- Poca 6 Coal- Perforated from 2677' to 2680' with 12 holes. Breakdown with 250 gallons 7.5% HCL acid and water. Treated with 178 bbls water and 1150 lbs 20/40 sand. Job screened out when sand hit perforations. No ISIP or ATP.

Stage 2 - Lower Beckley Coal- Perforated from 2568' to 2571' with 12 holes. Breakdown with 250 gallons 7.5% HCL acid and water. Treated with 515 bbls water and 18300 lbs 20/40 sand. ISIP: 1849 psi. ATP: 2905 psi. ATR: 19 BPM.

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
Sand, shale & coal	0	1175	
Sand & shale	1175	1335	
Coal	1335	1340	
Sand & shale	1340	1497	
Coal	1497	1499	
Sand	1499	1526	
Coal	1526	1529	
Sand & shale	1529	1640	
Coal	1640	1642	
Sand & shale	1642	2175	
Sand	2175	2400	
Shale	2400	2568	
Beckley coal	2568	2570	
Sand & shale	2570	2675	
L. Firecreek coal	2675	2680	
Sand & shale	2680	2950	No shows reported