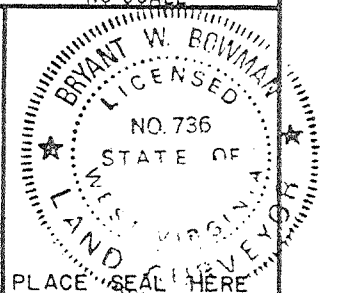


FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF ACCURACY 1:5000  
 PROVEN SOURCE OF ELEVATION EXISTING WELL 1913  
ELEVATION 806.01

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 WEST VIRGINIA (8-78) DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS #10 McJUNKIN ROAD NITRO, WEST VIRGINIA 25143-2506  
 WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ (IF "GAS", PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_)  
 LOCATION: ELEVATION 851.81 WATER SHED UT OF TWO MILE CREEK DISTRICT STONEWALL COUNTY WAYNE QUADRANGLE WAYNE, WV 7.5'  
 SURFACE OWNER HOWARD OSBURN ACREAGE 143  
 OIL & GAS ROYALTY OWNER RUSSELL PRICHARD ET AL. LEASE ACREAGE 889 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 Lockport ESTIMATED DEPTH 4800' 6-6 353  
 WELL OPERATOR PENN VIRGINIA OIL & GAS CORP. DESIGNATED AGENT MR. HARRY JEWEL  
 ADDRESS 999 EXECUTIVE PARK BLVD, SUITE 300 ADDRESS PO BOX 460  
KINGSFORT, TN 37660 RAVENCLIFF, WV 25913  
DEEP WELL

DATE AUGUST 2, 19 98  
 OPERATOR'S WELL NO. L-5  
 API WELL NO. 47 - 099 - 01956  
 STATE COUNTY PERMIT  
 STATE 47 COUNTY 099 PERMIT 01956

MAY 1956

WR-35

21-Oct-98

API # 47- 99-01956

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

Reviewed MS

Well Operator's Report of Well Work

Farm name: OSBURN, HOWARD

Operator Well No.: L-5

LOCATION: Elevation: 852.00 Quadrangle: WAYNE.

District: STONEWALL County: WAYNE  
Latitude: 3400 Feet South of 38 Deg. 10Min. 0 Sec.  
Longitude 4100 Feet West of 82 Deg. 25 Min. 0 Sec.

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

Agent: HARRY JEWELL, III

Inspector: DAVE BELCHER  
Permit Issued: 10/21/98  
Well work Commenced: 12/20/98  
Well work Completed: 3/25/99  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 4064  
Fresh water depths (ft) 1/4" @ 130'  
1/4" @ 422'  
Salt water depths (ft) 1055' - 3"  
1300' - 3"  
Is coal being mined in area (Y/N)? N  
Coal Depths (ft): \_\_\_\_\_

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
20"	8'	8'	N/A
13 3/8"	310'	310'	266
9 5/8"	1331'	1331'	480
4 1/2"	4038'	4038'	410

RECEIVED  
Office of Oil & Gas  
Permitting  
JUL 08 1999  
WV Division of  
Environmental Protection

OPEN FLOW DATA

Producing formation Lockport Zone depth (ft) 3951-65  
Gas: Initial open flow 462 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 439 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 3 Hours  
Static rock Pressure 1100 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: James K Wilson  
Date: 7/6/99

JUL 19 1999

MAY 19 1999

Form WR-35  
(Reverse)

Permit # 47-99-01956  
Well # I,-5

Lockport

Perfs - 3951 - 3955 - 6 SPF  
3963 - 3965 - 6 SPF

2-5-99 Acidized with 1500 gals of 15% HCL with 50 Bail Sealers

2-9-99 Fraced with 7,000 gals of 15% Gelled Acid

Average Rate = 3bl/min.

Average PSI = 1800

ISIP = 1417

<u>FORMATIONS</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>REMARKS</u>
BREATHITT FORMATION	SURFACE	850	
SALT SAND	850	1215	
PENNINGTON FORMATION	1215	1282	
LITTLE LIME	1282	1315	
BIG LIME	1315	1485	
BIG INJUN	1485	1596	
BORDEN	1596	2098	
BEREA	2098	2212	
DEVONIAN SHALE	2212	3240	
CORNIFEROUS	3240	3994	
BIG SIX	3994	4020	
ROSE HILL	4020	TD	

