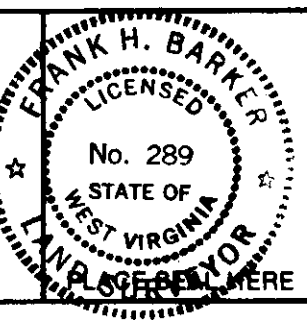


FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:5000'  
 PROVEN SOURCE OF ELEVATION BM SKS EL. 984  
Shown Above

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 ENERGY.  
 (SIGNED) Frank H. Barker  
 R.P.E. \_\_\_\_\_ L.L.S. 289



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE JUNE 8 1994  
 OPERATOR'S WELL NO. 30 805  
 API WELL NO. 47-081-0982  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1,009 WATER SHED CLEAR FORK  
 DISTRICT CLEAR FORK COUNTY RALEIGH  
 QUADRANGLE DOROTHY Edes NW  
 SURFACE OWNER WESTERN DOCAHONTAS ACREAGE 1552.33  
 OIL & GAS ROYALTY OWNER TOTAL MINATOME LEASE ACREAGE 8218.47

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6-6 262

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 4700 FT.  
 WELL OPERATOR PEAKE ENERGY INC. DESIGNATED AGENT TOM LIBERTORE  
 ADDRESS P.O. BOX 8 669 ADDRESS P.O. BOX 8  
RAVENSWOOD WV 26164 RAVENSWOOD WV 26164

JUL 15 1994

FORM WW-6  
 HALLS INC. 068005

COUNTY NAME  
 PERMIT

RECEIVED  
OFFICE OF OIL AND GAS

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

WV Division of well Operator's Report of Well Work  
Environmental Protection

Farm Name: WESTERN POCAHONTAS Operator's Well No.: 30-BDS

Location: Elevation: 1,009.00 Quadrangle: DOROTHY  
District: CLEAR FORK County: RALEIGH

Latitude: 850 feet south of 37 Deg. 57 Min. 30 Sec.  
Longitude: 4700 feet west of 81 Deg. 27 Min. 30 Sec.

Company: PEAKE ENERGY, INC.  
P.O. BOX 8  
RAVENSWOOD, WV 26164

Agent : Thomas S. Liberatore

Inspector: RODNEY DILLON  
Permit Issued: 07/15/94  
Well Work Commenced: 9/10/94  
Well Work Completed: 9/16/94  
Verbal Plugging  
Permission granted: \_\_\_\_\_  
Rotary: X Cable: \_\_\_\_\_ Rig  
Total Depth (ft): 4727'  
Fresh Water Depths: \_\_\_\_\_  
300, 485  
Salt Water Depths: \_\_\_\_\_  
735  
Is Coal being mined ? No  
Coal Depths: see back

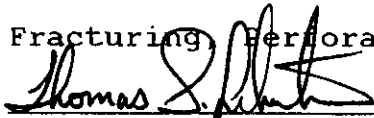
Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fillup ( sx )
9 5/8	690	690	255 Class A
7	1199	1199	185 Class A
4 1/2	4681	4681	220 RFC
2 3/8		4561	

OPEN FLOW DATA

Weir Sand 2372-2382  
Producing Formation Big Lime Pay Zone Depth: 2005-2178  
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 (surf. pressure) after \_\_\_\_\_ Hours

Second Gordon Siltstone 2953-2967  
Producing Formation Devonian Shale Pay Zone Depth: 3894-4588  
Gas: Initial open flow -- Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 852 Mcf/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 2 Hours  
Static rock pressure 757 psig (surf. pressure) after 14 Hours  
\* ROCK PRESSURE & OPEN-FLOWS ARE COMBINED

NOTE: Details of Fracturing, Perforating, & Well Log on Back.



NOV 16 1994

For: PEAKE ENERGY, INC.

By: Thomas S. Liberatore, General Manager  
Date: November 10, 1994

FORM WR-35  
(Reverse)

PERMIT #: 47-081-982  
CO. WELL #: #30-BDS  
ELEVATION: 1009 GL 1014 KB

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DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC.  
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SEPT. 30, 1994: PERFORATED THE SHALE FROM 3894-4588 WITH 30 HOLES. FRAC'D THE SHALE WITH 1.5 MM SCF OF NITROGEN, 45,000# OF SAND AND 129 BBL OF WATER. PERFORATED THE GORDON FROM 2953-67 WITH 32 HOLES. FOAM-FRAC'D THE GORDON WITH 45,000# SAND, 220 BBL OF WATER, & 396,000 SCF OF NITROGEN.

OCT. 3, 1994: PERFORATED THE WEIR FROM 2372-82 WITH 32 HOLES. FOAM-FRAC'D THE WEIR USING 45,000# SAND, 219 BBL OF WATER, & 432,000 SCF OF NITROGEN. PERFORATED THE BIG LIME FROM 2165-78 & 2005-09, A TOTAL OF 48 HOLES. ACIDIZED THE BIG LIME USING 10,500 GAL ACID & APPROX. 700,000 SCF OF NITROGEN

WELL LOG (all depths taken from KB)

ROCK TYPE OR FORMATION	TOP	BOTTOM	REMARKS
SAND & SHALE	0	95	WTR. @ 300
COAL	95	96	485'
SAND & SHALE	96	528	735
SHALE	528	640	
SAND	640	963	
SHALE	963	1070	
SAND	1070	1140	
SHALE & SAND	1140	1316	
AVIS LIMESTONE	1316	1348	
SHALE	1348	1778	
LOWER MAXTON INTERVAL	1778	1858	
LITTLE LIME (REYNOLDS)	1858	1940	
BIG LIME (GREENBRIER)	1940	2260	S/GAS
SHALE	2260	2372	
WEIR SAND	2372	2384	S/GAS
SHALE & SILTSTONE	2384	2714	
COFFEE SHALE (SUNBURY)	2714	2742	
BEREA HORIZON	2742		
SHALE	2742	2954	
GORDON	2954	2969	
SHALE	2969	3851	
BROWN SHALE (LOWER HURON)	3851	4590	S/GAS
SHALE (JAVA)	4590	4727	
TOTAL DEPTH	4727		

Chbi