

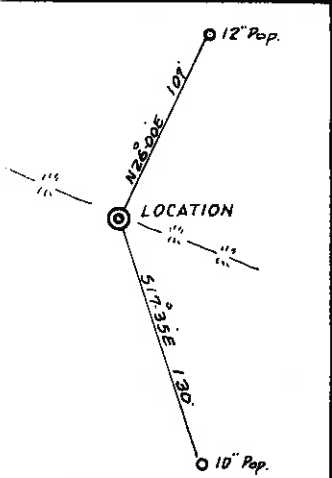
Jamie 4/4/90

4,900

LATITUDE 38°42'30"

LONGITUDE 81°42'30"

NORTH



LOCATION REFERENCES

4.22 S  
3.17 W  
Kenna NW

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500 FT.  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION JAC 528  
ELEV. 933.77

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. Barber  
 R.P.E. \_\_\_\_\_ L.L.S. 289

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE MAR 3 19 90  
 OPERATOR'S WELL NO. PKE 764  
 API WELL NO. 47 035 2213  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 974 WATER SHED WOLFE CREEK  
 DISTRICT RIPLEY 3 COUNTY JACKSON  
 QUADRANGLE KENNA  
 SURFACE OWNER KENNETH R. TURLEY ACREAGE 45.55  
 OIL & GAS ROYALTY OWNER CORA MILLER ETAL LEASE ACREAGE 41.75

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 DEVONIAN SHALE ESTIMATED DEPTH 4500 FT.  
 WELL OPERATOR PEAKE ENERGY INC. DESIGNATED AGENT JOHN MC CALLISTER  
 ADDRESS PO BOX 8 ADDRESS PO BOX 8  
RAVENSWOOD, WV. 26164 669 RAVENSWOOD, WV 26164

6-6 Elk - Poca (Sissonville) (192)

COUNTY NAME PERMIT

APR 06 1990

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: TURLEY, KENNETH Operator Well No.: PKE-764  
 LOCATION: Elevation: 974.00 Quadrangle: KENNA  
 District: RIPLEY County: JACKSON  
 Latitude: 7100 Feet South of 38 Deg. 42Min. 30 Sec.  
 Longitude 4900 Feet West of 81 Deg. 42 Min. 30 Sec.

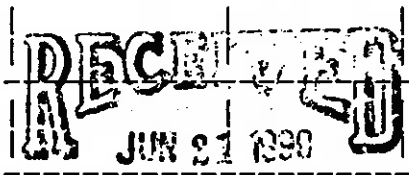
Company: PEAKE ENERGY, INC  
 P. O. BOX 8  
 RAVENSWOOD, WV 26164-0000

Agent: JOHN V. McCALLISTER

Inspector: JERRY TEPHABOCK  
 Permit Issued: 04/05/90  
 Well work Commenced: 05/16/90  
 Well work Completed: 05/23/90  
 Verbal Plugging  
 Permission granted on: \_\_\_\_\_  
 Rotary x Cable \_\_\_\_\_ Rig  
 Total Depth (feet) 4483  
 Fresh water depths (ft) \_\_\_\_\_  
 ?Pittsburgh Sand at 518-534 ?  
 Salt water depths (ft) \_\_\_\_\_

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.
9-5/8"	250'	250'	130 sx Class A
7"	2385'	2385'	415 sx Class A
4-1/2"	4461'	4461'	100 sx Pozmix



DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Dev. Brown Shale Pay zone depth (ft) 4149-4422  
 Gas: Initial open flow -- MCF/d Oil: Initial open flow -- Bbl/d  
 Final open flow 307 MCF/d Final open flow 0 Bbl/d  
 Time of open flow between initial and final tests 4 Hours  
 Static rock Pressure 725 psig (surface pressure) after 42 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: John V. McCallister / dc  
 PEAKE ENERGY, INC  
 By: John V. McCallister, Asst. Operations Manager  
 Date: 6-18-90

JUN 29 1990

FORM WR-35  
(Reverse)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

6-4-90 Perforated Brown Shale interval from 4149-4422 with 30 holes.  
 6-5-90 Foam-fractured the Brown Shale using 100,000 lbs of sand, 750 MSCF of Nitrogen and 507 bbls of fluid. BDP = 1700 psig.  
 ATP = 1700 psig.

WELL LOG

FORMATION	TOP	BOTTOM	REMARKS
Shale-Siltstone	0	260	
Sand	260	303	
Shale	303	518	
Sand	518	534	
Shale & Siltstone	534	1204	
Little Dunkard Sand	1204	1295	
Shale	1295	1348	
Big Dunkard Sands	1348	1510	
Shale	1510	1763	
Salt Sands	1763	2012	
Big Lime (Greenbrier)	2012	2170	
Big Injun Sand	2170	2290	
Shale	2290	2640	
Coffee Shale (Sunbury)	2640	2660	
Berea Sand	2660	2672	
Shale	2672	3892	s/g @ 3770
Brown Shale (Lower Huron)	3892	4425	s/g @ 3900, 4020, 4150, 430
Shale	4425	4483	
TOTAL DEPTH	4483		

**RECORDED**  
JUN 21 1990

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

Issued 4/5/90  
Expires 4/5/92

- 1) Well Operator: Peake Energy, Inc. (37085)
- 2) Operator's Well Number: PKE-764 3) Elevation: 974
- 4) Well type: (a) Oil \_\_\_ / or Gas X /  
(b) If Gas: Production X / Underground Storage \_\_\_ /  
Deep \_\_\_ / Shallow X /
- 5) Proposed Target Formation(s): Berea Sand And Devonian Shale
- 6) Proposed Total Depth: 4500 feet
- 7) Approximate fresh water strata depths: OK base of Pitt sd @ 850±
- 8) Approximate salt water depths: OK 2025, 2200
- 9) Approximate coal seam depths: OK No coal present
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No X /
- 11) Proposed Well Work: to drill a new well; stimulate by fracturing
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT*
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						
Fresh Water	10-3/4"	- -	32#	250'	250'	cement to surface
Coal						300 sx±
Intermediate	7"	J-55	20#	2400'	2400'	cement to surface
Production	4-1/2"	J-55	10.5#	4500'	4500'	300 sx±
Tubing						300 sx±
Liners						

PACKERS : Kind \* cement as per Order No. 1; Cause No. 82  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

RECEIVED  
APR 24 1990

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

1907

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Security  Agent

- 1) Date: March 23, 1990
- 2) Operator's well number  
PKE #764
- 3) API Well No: 47 - 035 - 2213  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
  - (a) Name Kenneth Turley  
Address Rt. 1, Box 281  
Given, WV
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Jerry Tephabock  
Address Rt. 1, Box 101A  
Ripley, WV 25271  
Telephone (304)- 372-6805

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
x Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_ on the above named parties, by:

- \_\_\_\_ Personal Service (Affidavit attached)
- \_\_\_\_ Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator PEAKE ENERGY, INC.  
 By: [Signature]  
 Its: Designated Agent  
 Address P. O. Box 8  
Ravenswood, WV 26164  
 Telephone 273-5371

Subscribed and sworn before me this 23rd day of March, 1990

[Signature]  
My commission expires October 28, 1993 Notary Public