



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



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000 FT.
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION Rd. Intersection EL. 901 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 D. Barber
 R.P.E. _____ L.L.S. 289

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JULY 31 19 89
 OPERATOR'S WELL NO. 134
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 953 WATER SHED BULL RUN

DISTRICT RIPLEY 3 COUNTY JACKSON

QUADRANGLE COTTAGEVILLE 307 110 q Ravenswood SE

SURFACE OWNER JAMES GARNES ACREAGE 60 5/8

OIL & GAS ROYALTY OWNER JAMES GARNES ETAL LEASE ACREAGE 60 5/8

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 DRISKANY ESTIMATED DEPTH 5100'
 WELL OPERATOR PEAKE ENERGY INC. DESIGNATED AGENT JOHN MCCALLISTER
 ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8
RAVENSWOOD, WV. 26164 RAVENSWOOD, WV. 26164

SEP 1 1989

DEEP WELL 6-6 Foster Chapel (348)

FORM WW-6

COUNTY NAME PERMIT



IV-35
(Rev 8-81)

RECEIVED
FEB 05 1990

State of West Virginia
Department of Mines
Oil and Gas Division

Date January 29, 1990
Operator's Well No. Garnes #1
Farm Garnes - Parsons unit
API No. 47 - 035 - 2195

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 953 Watershed Bull Run of Parchment Creek
District: Ripley County Jackson Quadrangle Cottageville

Note: this well was drilled by Peake Energy, Inc. sold to Camberley Corp.

COMPANY Camberley Corporation
ADDRESS 1550 Dover St, Lakewood, Colo 80215
DESIGNATED AGENT Arthur C. Youse
ADDRESS P.O.Box 1134, Charleston, W.Va 25324
SURFACE OWNER James L. Garnes
ADDRESS 909 Given Rd., Evans, W.Va. 25241
MINERAL RIGHTS OWNER J.L.Garnes & S. Sayre
ADDRESS 909 Given Road, Evans, W.Va. 25241
OIL AND GAS INSPECTOR FOR THIS WORK Jerry Tephabock ADDRESS Ripley, W.Va. 25271
PERMIT ISSUED August 28, 1989
DRILLING COMMENCED September 19, 1989
DRILLING COMPLETED September 27, 1989
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8	247	247	140 sax
8 5/8			
7	2724	2724	475 sax
5 1/2			
4 1/2	4343	4343	127 sax
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Sand Depth 5100 feet
Depth of completed well 4343 feet Rotary XXX / Cable Tools
Water strata depth: Fresh 120 feet; Salt 1990 feet
Coal seam depths: None were reported Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth 3824 - 4314 feet
Gas: Initial open flow 5 Mcf/d Oil: Initial open flow none Bbl/d
Final open flow 249 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 4 hours

Static rock pressure 1110 psig (surface measurement) after 57 hours shut in
(If applicable due to multiple completion--)

Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

FEB 09 1990

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

Plugged hole back from 5150 to 4343 with 133 sacks of 50/50 Pozmix cement.
Perforated Brown Shale from 4170 to 4279 with 22 holes. Fractured using 228 bbls. water, 575,000 SCF nitrogen and 75,000# 20/40 sand. Breakdown pressure was 2380 PSI. Treating pressure was 1950 PSI.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
shale			0	110	<p style="text-align: center;">RECEIVED FEB 05 1990 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY</p> <p>Show of gas @ 4195'</p>
sand			110	136	
shale			136	480	
sand			480	500	
shale			500	683	
sand			683	706	
shale			706	863	
sand			863	880	
shale			880	933	
sand			933	956	
shale			956	1290	
sand			1290	1376	
shale			1376	1440	
sand			1440	1494	
shale			1494	1514	
sand			1514	1554	
shale			1554	1620	
sand			1620	1640	
shale			1640	1924	
sand			1924	1996	
Big Lime			1996	2128	
shale			2128	2167	
Injun Sand			2167	2229	
shale			2229	2594	
Coffee Shale			2594	2621	
Berea Sand			2621	2636	
gray shale			2636	3824	
Brown Shale			3824	4314	
gray shale			4314	4706	
Marcellus Shale			4706	4910	
Onondaga Limestone			4910	5017	
Oriskany Sand			5017	5026	
Helderburg Limestone			5026	5151	
total depth				5151	

(Attach separate sheets as necessary)

CAMBERLEY CORPORATION
Well Operator
By: Arthur C. Youse Arthur C. Youse, Agent
Date: January 29, 1990

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

FEB 09 1990

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

- 1) Well Operator: 1012 PEAKE ENERGY, INC. 37085 (3) 307
- 2) Operator's Well Number: PKE-434 3) Elevation: 953
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep X / Shallow /
- 5) Proposed Target Formation(s): 475 Devonian Oriskany Sand
- 6) Proposed Total Depth: 5100 feet
- 7) Approximate fresh water strata depths: ? Pitts. Sand at 800' ±
- 8) Approximate salt water depths: 2150, 2610
- 9) Approximate coal seam depths: None 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	Fill-up (cu. ft.)
Conductor						
Fresh Water	10 3/4"	----	32#	250'	250'	cement to surface
Coal						38CSR18-11.3 38CSR18-11.22
Intermediate	7"	J-55	20#	2650'	2650'	cement to surface
Production	4 1/2"	J-55	11.6#	5100'	5100'	38CSR18-11.1 100 sx
Tubing						
Liners						

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PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

724
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket sure Agent
 (Type)

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: August 10, 1989
2) Operator's well number
PKE 434
3) API Well No: 47 - 035 - 2195
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 James L. Carnes
Address 909 Given Road
Evans, WV 25241
- (b) Name _____
Address _____
- (c) Name _____
Address _____
- 5) (a) Coal Operator:
- Name _____
Address _____
- (b) Coal Owner(s) with Declaration
- Name _____
Address _____
- Name _____
Address _____
- 6) Inspector Jerry Tephaboeh
Address Rt. 1, Box 101A
Ripley, WV 25271
Telephone (304) - 372-6805
- (c) Coal Lessee with Declaration
- Name _____
Address _____

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

_____ 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: John V. McCullister
Its: Designated Agent
Address P. O. Box 8
Ravenswood, WV 26164
Telephone (304) 273-5371

Subscribed and sworn before me this 10th day of August, 1989

[Signature] COMMISSIONER FOR THE STATE OF WV
Notary Public
My commission expires 2/21/99