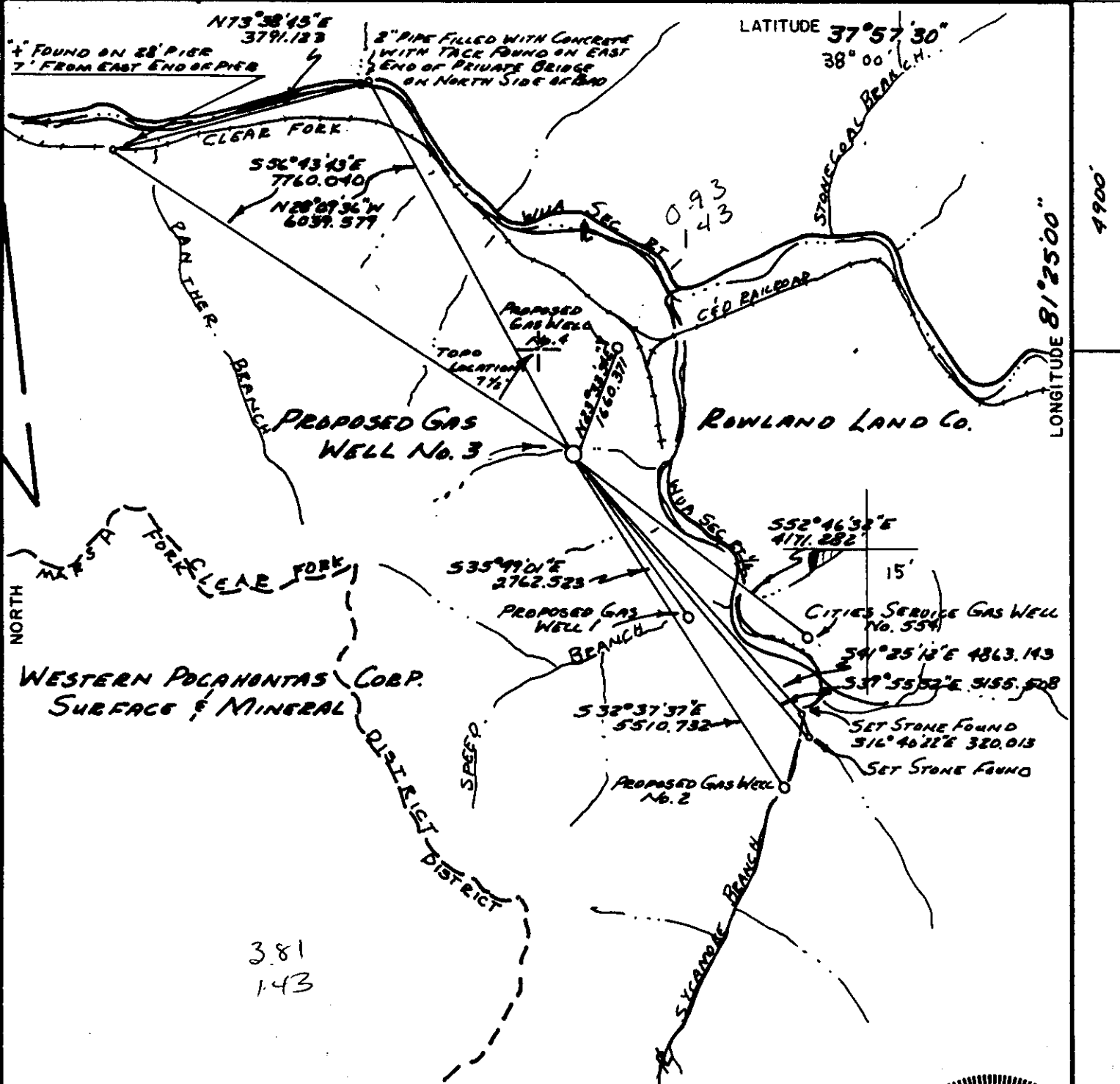


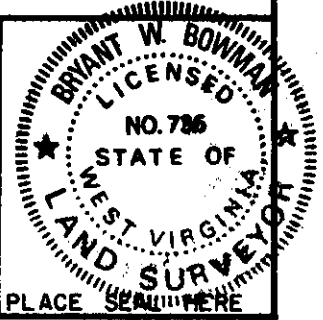
M.S. 4/22/82

7500



FILE NO. _____
 DRAWING NO. _____
 SCALE 1-2000
 MINIMUM DEGREE OF ACCURACY 1-10000
 PROVEN SOURCE OF ELEVATION 1107 SOUTH OF LOCATION

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
 (8-78)



DATE 3/19, 19 82
 OPERATOR'S WELL NO. 3-A Dorothy
 API WELL NO. SARITA
47 - 081 - 0598-Ren.
 STATE COUNTY PERMIT

Department of Mines
 Oil & Gas Division

Frac

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1262 WATER SHED CLEAR FORK
 DISTRICT CLEAR FORK COUNTY RALEIGH
 QUADRANGLE DOROTHY 7 1/2' Circle NW
 SURFACE OWNER WESTERN POCAHONTAS ACREAGE 8,210 ±
 OIL & GAS ROYALTY OWNER WESTERN POCAHONTAS LEASE ACREAGE 8,218 ±
 LEASE NO. FEE
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

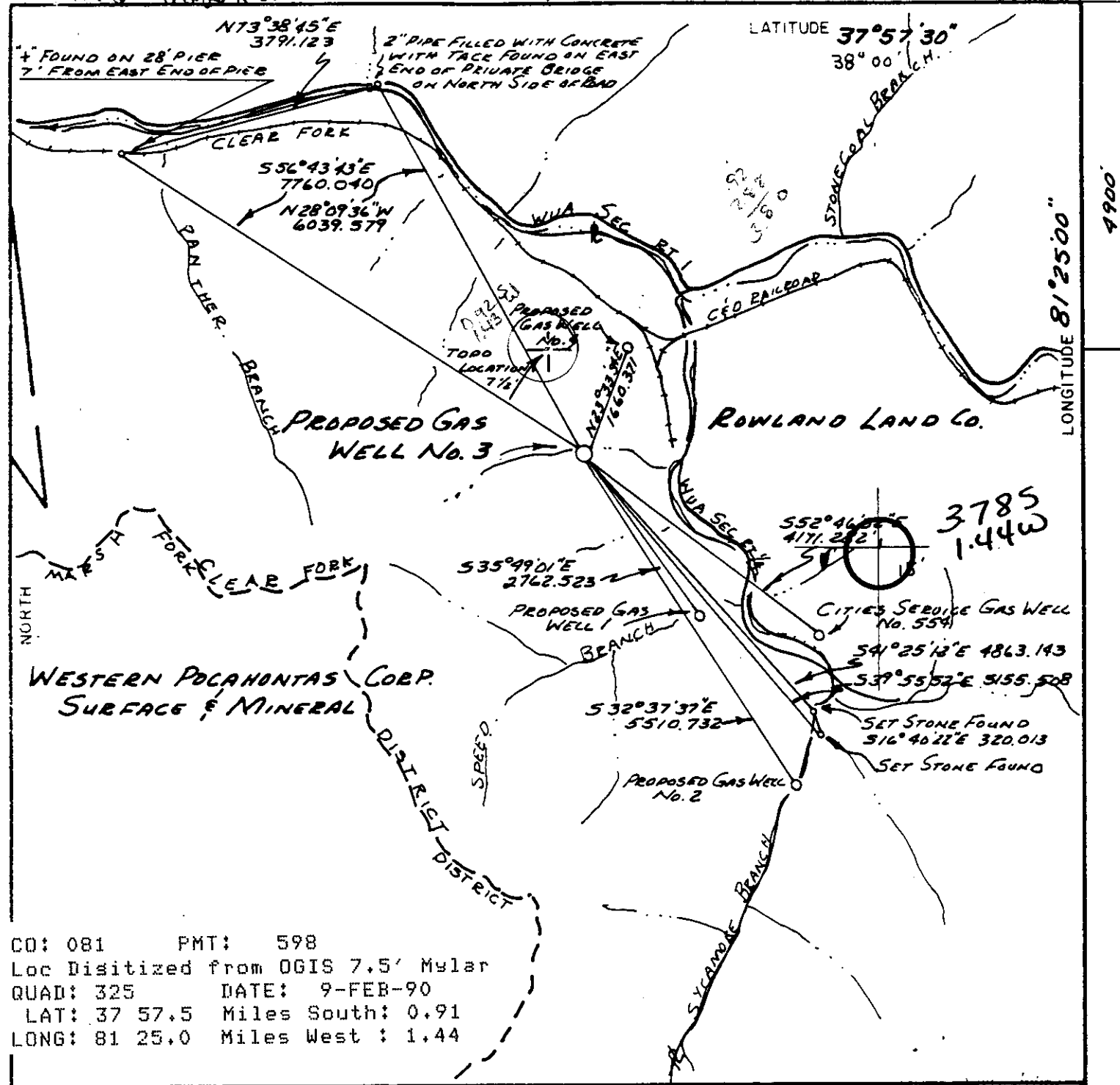
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BROWN SHALE ESTIMATED DEPTH 5137
 WELL OPERATOR PEAKE OPERATING Co DESIGNATED AGENT FLOYD WILCOX
 ADDRESS 201 DUNBAR OFFICE PARK DUNBAR, WEST VIRGINIA ADDRESS 201 DUNBAR OFFICE PARK DUNBAR, WEST VIRGINIA

NOV 30 1993

M. J. 4/22/82

Card CSD

7500



CO: 081 PMT: 598
 Loc Digitized from OGIS 7.5' Mylar
 QUAD: 325 DATE: 9-FEB-90
 LAT: 37 57.5 Miles South: 0.91
 LONG: 81 25.0 Miles West: 1.44

FILE NO. _____
 DRAWING NO. _____
 SCALE 1-2000
 MINIMUM DEGREE OF ACCURACY 1-10000
 PROVEN SOURCE OF ELEVATION 1107 SOUTH OF LOCATION

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

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE 3/19, 19 82
 OPERATOR'S WELL NO. 3-A Dorothy SARITA
 API WELL NO. 47-081-0598
 STATE COUNTY PERMIT

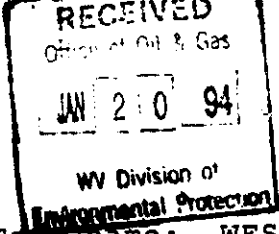
Department of Mines
 Oil & Gas Division

WELL TYPE OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW
 LOCATION ELEVATION 1262 WATER SHED CLEAR FORK
 DISTRICT CLEAR FORK COUNTY RALEIGH
 QUADRANGLE DOROTHY 7 1/2' 900515 NW
 SURFACE OWNER WESTERN POLAONTAS ACREAGE 8,218 ±
 OIL & GAS ROYALTY OWNER WESTERN POLAONTAS LEASE ACREAGE 8,218 ±
 LEASE NO. FEE
 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 BROWN SHALE ESTIMATED DEPTH 5137
 WELL OPERATOR PEAKE OPERATING Co DESIGNATED AGENT FLOYD WILCOX
 ADDRESS 201 DUNBAR OFFICE PARK DUNBAR, WEST VIRGINIA ADDRESS 201 DUNBAR OFFICE PARK DUNBAR, WEST VIRGINIA
 (G. G. Burrows) (368)

MAY 10 1982

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



Well Operator's Report of Well Work

Field Name: WESTERN POCAHONTAS PROP Operator Well No.: D. SARITA 3ADS

LOCATION: Elevation: 1,262.00 Quadrangle: DOROTHY

District: CLEAR FORK County: RALEIGH
Latitude: 4900 Feet South of 37 Deg. 57Min. 30 Sec.
Longitude 7500 Feet West of 81 Deg. 25 Min. Sec.

Company: PEAKE OPERATING COMPANY
P.O. BOX 8
RAVENSWOOD, WV 26164-0008

Agent: THOMAS S. LIBERATORE

Inspector: RODNEY DILLON
Permit Issued: 12/03/93
Well work Commenced: 01/06/94
Well work Completed: 01/10/94
Verbal Plugging
Permission granted on: _____
Rotary _____ Cable _____ Rig _____
Total Depth (feet) _____
Fresh water depths (ft) _____
Salt water depths (ft) _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
NON CASING CHANGE			

Is coal being mined in area (Y/N)? _____
Coal Depths (ft): _____

OPEN FLOW DATA

Producing formation Upper Brown Shale Pay zone depth (ft) 4110-4338
Gas: Initial open flow MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 467 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 450 psig (surface pressure) after 20 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.

Thomas S. Liberatore
For: PEAKE OPERATING COMPANY

By: Thomas S. Liberatore, General Manager
Date: January 14, 1994

FORM WR-35
(Reverse)

PERMIT #: 47-081-00598-F
CO. WELL #: #3-ADS
ELEVATION: 1262 GL

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

- JAN. 6, 1994: PERFORATE THE UPPER DEVONIAN BROWN SHALE FROM
^{DF}4110-4338^{ADS} WITH 30 HOLES.
- JAN. 7, 1994: SET BRIDGE PLUG AND PACKER, THEN NITROGEN-FRAC'D
THE UPPER BROWN SHALE USING 1.0 MMSCF OF NITROGEN,
AT AN AVG. RATE OF 21,000 SCF/MIN. BDP=3200#.
AVG. TREATING PRESS.=3450#
- JAN. 10, 1994: RETRIEVED PACKER AND PLUG, RE-RAN TUBING TO 4607.

WELL LOG (all depths taken from KB)

ROCK TYPE OR FORMATION TOP BOTTOM REMARKS

** SEE ORIGINAL WELL RECORD

TD 4893

DF-813

DFT-813

801781



RECEIVED
OCT 23 1985

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date October 21, 1985
Operator's
Well No. Dorothy Sarita #3-ADS
Farm _____
API No. 47 - 081 - 0598

DIVISION OF OIL & GAS
DEPT. 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: 1262 Watershed Clear Fork
District: Clear Fork County Raleigh Quadrangle Dorothy

COMPANY Peake Operating Company
ADDRESS Suite 423 - Charleston National Plaza
DESIGNATED AGENT Timothy K. Wilcox
ADDRESS Suite 423 - Charleston National Plaza
SURFACE OWNER CSX Minerals
ADDRESS P. O. Box 2827, Huntington, WV
MINERAL RIGHTS OWNER CSX Minerals
ADDRESS P. O. Box 2827, Huntington, WV
OIL AND GAS INSPECTOR FOR THIS WORK Craig Duckworth
ADDRESS P. O. Box 107, Gassaway WV
PERMIT ISSUED February 28, 1984
DRILLING COMMENCED 1/10/85
DRILLING COMPLETED 1/25/85
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"		30	2 sacks
9 5/8"		575	215 sacks
8 5/8"			
7"		1356	240 sacks
5 1/2"			
4 1/2"		4870	140 sacks
3"			
2"			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 4435 feet
Depth of completed well 4893 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 510, 555 feet; Salt _____ feet
Coal seam depths: NONE Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2998 - 3016 feet
Gas: Initial open flow 10 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow Commingled Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after 4 hours shut in
(If applicable due to multiple completion--)
Second producing formation Devonian Shale Pay zone depth 3019 - 4893 feet
Gas: Initial open flow TSTM Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 984 commingled Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 795# psig (surface measurement) after 72 hours shut in

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

Gordon frac'd with 500 gallons 15% HCL - 15,000# 80/100 sand, 45,000# 20/40 sand - 530,000 SCFN₂ - perforated 3002 - 3014 = 26 holes

Devonian frac'd with 1000 gallons 15% HCL - 1000 gallons Methanol, 19 gallons Anwar - 45,000# 40/20 - 15,000# 10/20 - 367 bbl's H₂O - perforated 4472 - 4758 = 35 holes

Lower Huron

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	360	
Salt Sands			360	670	
Shale			670	1782	
Lower Maxton			1782	1868	No gas
Shale			1868	1873	
Little Lime			1873	1950	No gas
Pencil			1950	1970	
Big Lime			1970	2280	No gas
Shale			2280	2400	
Weir			2400	2477	No gas
Shale			2477	2774	
Sunbury Shale			2774	2796	
Shale			2796	2998	
Gordon Sand			2998	3019	3022
Devonian			3019	4893	1/10 1" W = 10, Mcf
TD				<u>4893</u>	

Lower Huron

*From nearby logs:
 top of Huron 2796
 top of Devonian 1600
 Lower Huron 4893*

(Attach separate sheets as necessary)

Peake Operating Company
 Well Operator

By: *Thomas J. Liberatore*

Date: *October 22, 1985*

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."



1) Date: January 31, 19 84
 2) Operator's Well No. #3-A Dorothy Sarita
 3) API Well No. 47 - 081 - 0598 Renew State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 1262' Watershed: Clear Fork
 District: Clear Fork County: Raleigh Quadrangle: Dorothy 7 1/2'
- 6) WELL OPERATOR Peake Operating Company 7) DESIGNATED AGENT Floyd B. Wilcox
 Address 423 Charleston National Plaza Address 423 Charleston National Plaza
Charleston, W. Va. 25301 Charleston, W. Va. 25301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name ~~XXXXXX~~ Craig Duckworth Name Unknown
 Address ~~XXXXXX~~ Box 107, Davisson Rt. WV Address 26624
~~XXXXXX~~ X Gassaway, WV 364-5942
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale OIL & GAS DIVISION
 12) Estimated depth of completed well, 5137' feet DEPT. OF MINES
 13) Approximate strata depths: Fresh, 50 feet; salt, 500 feet.
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes / No X
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	13-3/8	H40	48#	X		30'	30'	To surface	Kinds
Fresh water	9-5/8	H40	36#	X		506'	506'	To surface	<u>NEAT</u>
Coal									Sizes
Intermediate	7	J55	17#	X		1302'	1302'	150 sks. as	req. by Rule 15.01
Production	4 1/2	J55	9.5#	X		5100'	5100'	300 sks.	Depths set
Tubing								<u>as req. by rule 15.01</u>	
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-081-0598-REN

February 28, 19 84
 Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires February 28, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>LP</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>3384</u>
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Margaret J. Hass
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.



Date: April 19, 1982

Operator's Well No. 3-A Dorothy Sarita

0598

API Well No. 47 - 081 -

State County Permit

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

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 1262' Watershed: Clear Fork
District: Clear Fork County: Raleigh Quadrangle: Dorothy 7 1/2'

WELL OPERATOR Peake Operating Company
Address 201 Dunbar Office Park
Dunbar, WV 25064

DESIGNATED AGENT Floyd B. Wilcox
Address 201 Dunbar Office Park
Dunbar, WV 25064

OIL & GAS ROYALTY OWNER Western Pocahontas Corp.
Address P. O. Box 2827
Huntington, WV 25727

COAL OPERATOR Bethlehem Mines Corporation
Address P. O. Box 4108
Charleston, WV 25304

ACREAGE 8218±
SURFACE OWNER Western Pocahontas Corp.
Address P. O. Box 2827
Huntington, WV 25727
ACREAGE 8218±

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Western Pocahontas Corporation
Address P. O. Box 2827
Huntington, WV 25727
Name Attn: Jose Bollar
Address

FIELD SALE (IF MADE) TO: Consolidated Gas Supply
Address 445 West Main Street
Clarksburg, WV 26301

COAL LESSEE WITH DECLARATION ON RECORD:
Name Bethlehem Mines Corporation
Address P. O. Box 4108
Charleston, WV 25304
Attn: Harold Fields

OIL & GAS INSPECTOR TO BE NOTIFIED
Name D. Craig Duckworth
Address P. O. Box 454
Mt. Lookout, WV 26678

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease other contract / dated May 12, 1964, to the undersigned well operator from Western Pocahontas Corporation (IF said deed, lease, or other contract has been recorded:)

Recorded on July 23, 1964, in the office of the Clerk of the County Commission of Raleigh County, West Va., in Lease Book 31 at page 195. A permit is requested as follows:

RECEIVED

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation

APR 21 1982

Other physical change in well (specify) OIL AND GAS DIVISION WV DEPARTMENT OF MINES

—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

Peake Operating Company
Well Operator
By Floyd B. Wilcox
Its Attorney-in-Fact

RECEIVED

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Unknown

Address _____

GEOLOGICAL TARGET FORMATION, Devonian Shale

Estimated depth of completed well, 5137 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 50 feet; salt, 500 feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	13 3/8	K-55	48#	X		30'	30'	To surface	Kinds
Fresh Water	9 5/8	K-55	32.3#	X		506'	506'	" "	
Coal									Sizes
Intermediate	7"	K-55	17#	X		1302'	1302'	150 sacks as req.	Rule 15.01
Production	4 1/2"	K-55	9.5#	X		5100'	5100'	300 sacks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 1-6-83

BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____

Its _____

081-0598-Frac.

WV Division of Environmental Protection

NOV 18 1993

FORM WW-2B

Page ___ of ___

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

Issued 12/03/93 Expires 12/03/95

- 1) Well Operator: Peake Operating Co.
2) Operator's Well Number: 47-081-0598 - F
3) Elevation: 1262'
4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___ / Deep ___ / Shallow ___
5) Proposed Target Formation(s): Upper Devonian Shale
6) Proposed Total Depth: 4100'-4350' feet
7) Approximate fresh water strata depths: 510', 555'
8) Approximate salt water depths: 590', 775'
9) Approximate coal seam depths: 1186' - 1188'
10) Does land contain coal seams tributary to active mine? Yes ___ / No X ___
11) Proposed Well Work: To stimulate upper shale section in existing well 3ADS, using 2 7/8" tubing and RTTS Packer. Frac with 1,000,000 SCN2
12) Perforate from 4108' - 4334', 30 holes.

CASING AND TUBING PROGRAM

Table with 7 columns: TYPE, SPECIFICATIONS (Size, Grade), FOOTAGE INTERVALS (Weight per ft., For drilling, Left in well), and CEMENT (Fill-up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

PACKERS : Kind ___ Sizes ___ Depths set ___

For Division of Oil and Gas Use Only

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

18408

232615 25

NOV 17 93

Permitting
Division of Oil & Gas

- 1) Date: November 10, 1993
- 2) Operator's well number Dorothy Sarita #3ADS
- 3) API Well No: 47 - 081 - 598 - F
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 Western Pocahontas Properties
Address PO Box 2827
Huntington, WV 25727
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name Bethlehem Mines Corp.
Address PO Box 4108
Charleston, WV 25304
 - (b) Coal Owner(s) with Declaration
Name Western Pocahontas Properties
Address PO Box 2827
Huntington, WV 25727
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Rodney Dillon
Address PO Box 131
Bradley, WV 25818
Telephone (304)- 877-2912

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)
X _____ 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 BEARKE OPERATING COMPANY
 By: [Signature]
 Its: _____ Designated Agent
 Address _____ PO Box 8
 _____ Ravenswood, WV 26164
 Telephone _____ 273-5371

Subscribed and sworn before me this 15 day of Nov, 1993

[Signature] Notary Public
 My commission expires October 28, 2003