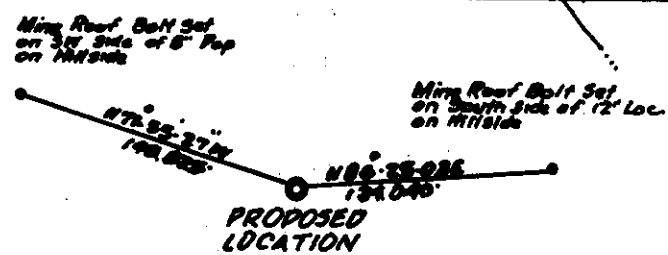
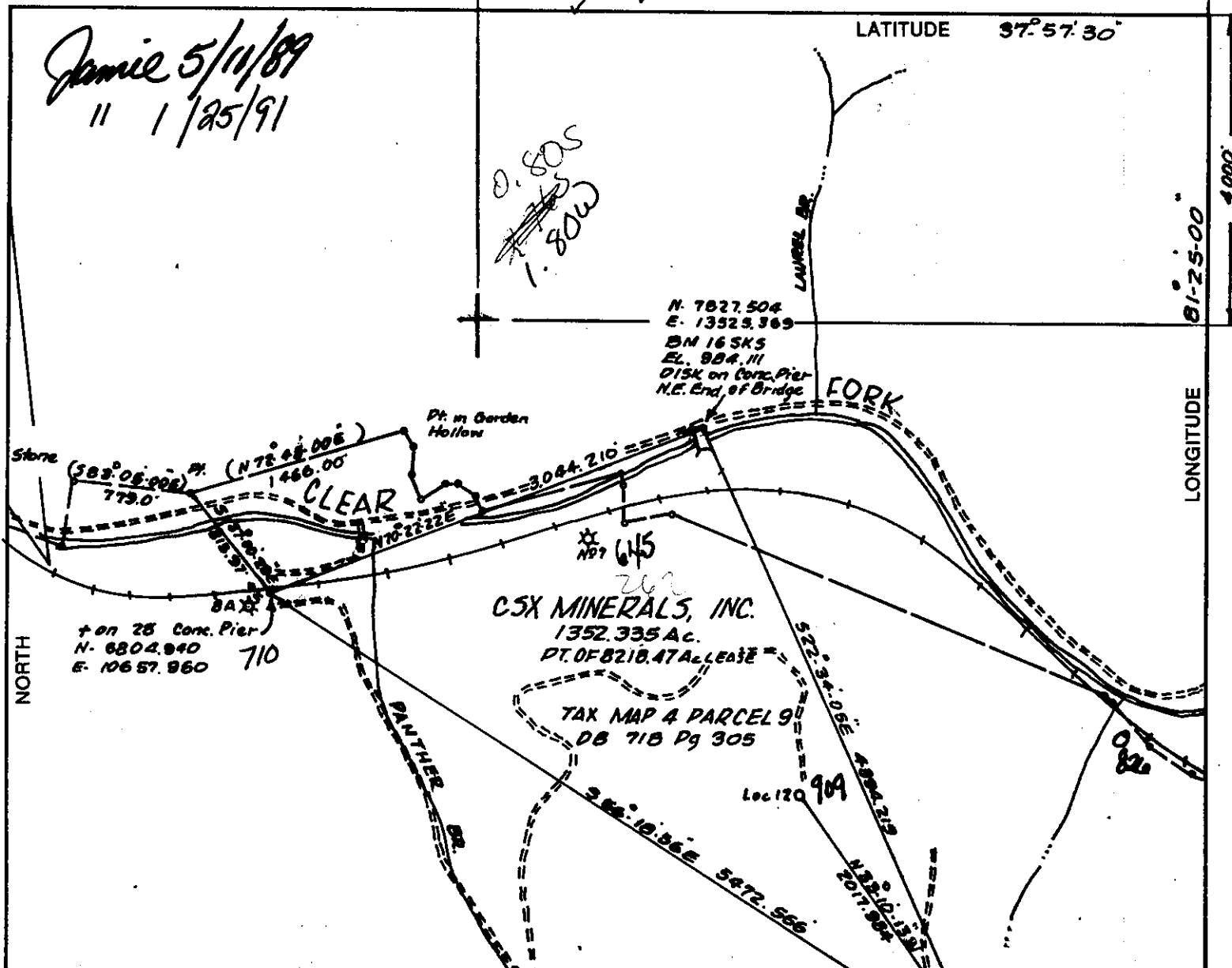


Janice 5/11/89
 11 1/25/91

9,550

LATITUDE 37° 57' 30"

LONGITUDE 81° 25' 00"



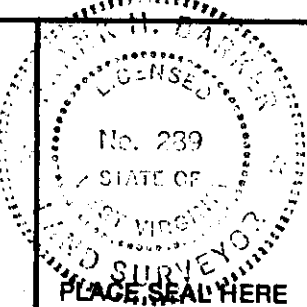
PROPOSED LOCATION:
 NO. 21 EL. 1633
 N- 3769.705
 E- 15211.755

LOCATION REFERENCES

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

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. Barber
 R.P.E. _____ L.L.S. 209



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



DATE MAR. 21 19 89
 OPERATOR'S WELL NO. 21 Dorothy Sarife
 API WELL NO. 47-081-0910
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1633 WATERSHED CLEAR FORK
 DISTRICT CLEAR FORK 1 COUNTY RALEIGH
 QUADRANGLE DOROTHY 6ccles NW

SURFACE OWNER WESTERN POCAHONTAS ACREAGE 1352.33
 OIL & GAS ROYALTY OWNER CSX MINERALS, INC. LEASE ACREAGE 8218.47
 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 _____ ESTIMATED DEPTH _____
 WELL OPERATOR PEAKE OPERATING COMPANY DESIGNATED AGENT TOM LIBERATORE
 ADDRESS 1401 CHARLESTON NATIONAL PLAZA ADDRESS 1401 CHARLESTON NATIONAL PLAZA
CHARLESTON, WV. 25301 CHARLESTON, WV. 25301

COUNTY NAME **RALEIGH**
 PERMIT **0864**

H.T. HALL 48673 FORM WW-6

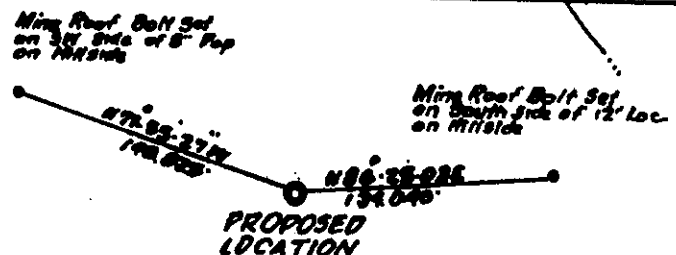
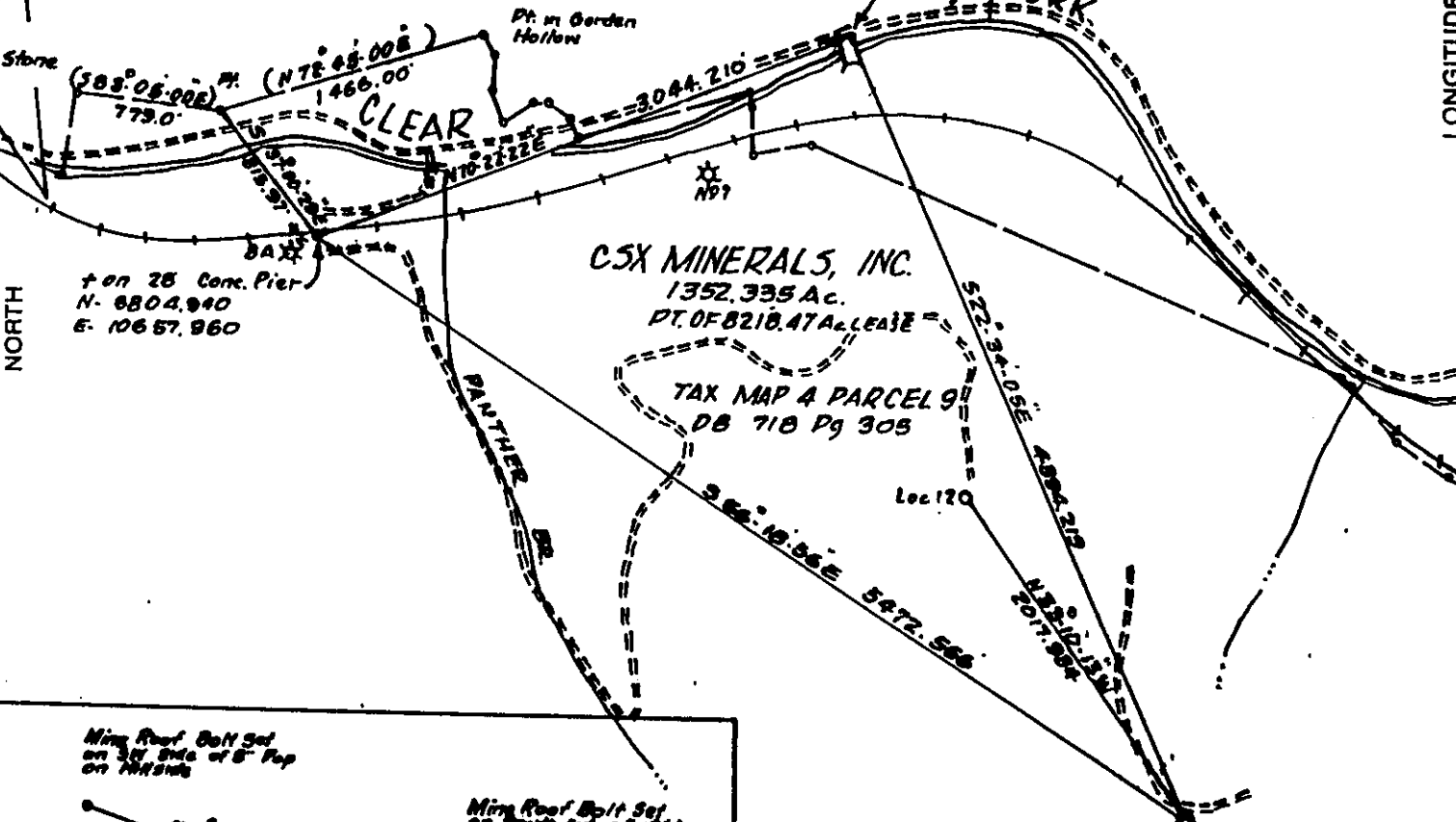
Janice 5/11/89

LATITUDE 37° 57' 30"

01-25-00
4000
EQUIDISTANT

0.40
1.83

N. 7827.504
E. 13529.369
BM 16 SKS
EL. 984.11
0.15% on Conc. Pier
N.E. End of Bridge



PROPOSED LOCATION:
NO. 21 EL. 1633
N- 3769.705
E- 15211.755

LOCATION REFERENCES

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

081-0864-Cover

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. Barber
R.P.E. _____ L.L.S. 289



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MAR. 21, 19 89
OPERATOR'S WELL NO. 21 Dorothy Sarita
API WELL NO. 47-081

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1633 WATERSHED CLEAR FORK DISTRICT CLEAR FORK COUNTY RALEIGH
QUADRANGLE DOROTHY

SURFACE OWNER WESTERN POCAHONTAS ACREAGE 1352.33
OIL & GAS ROYALTY OWNER CSX MINERALS, INC. LEASE ACREAGE 8218.47
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 _____ ESTIMATED DEPTH _____

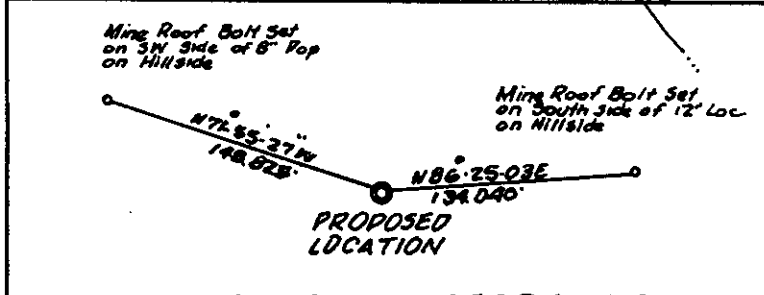
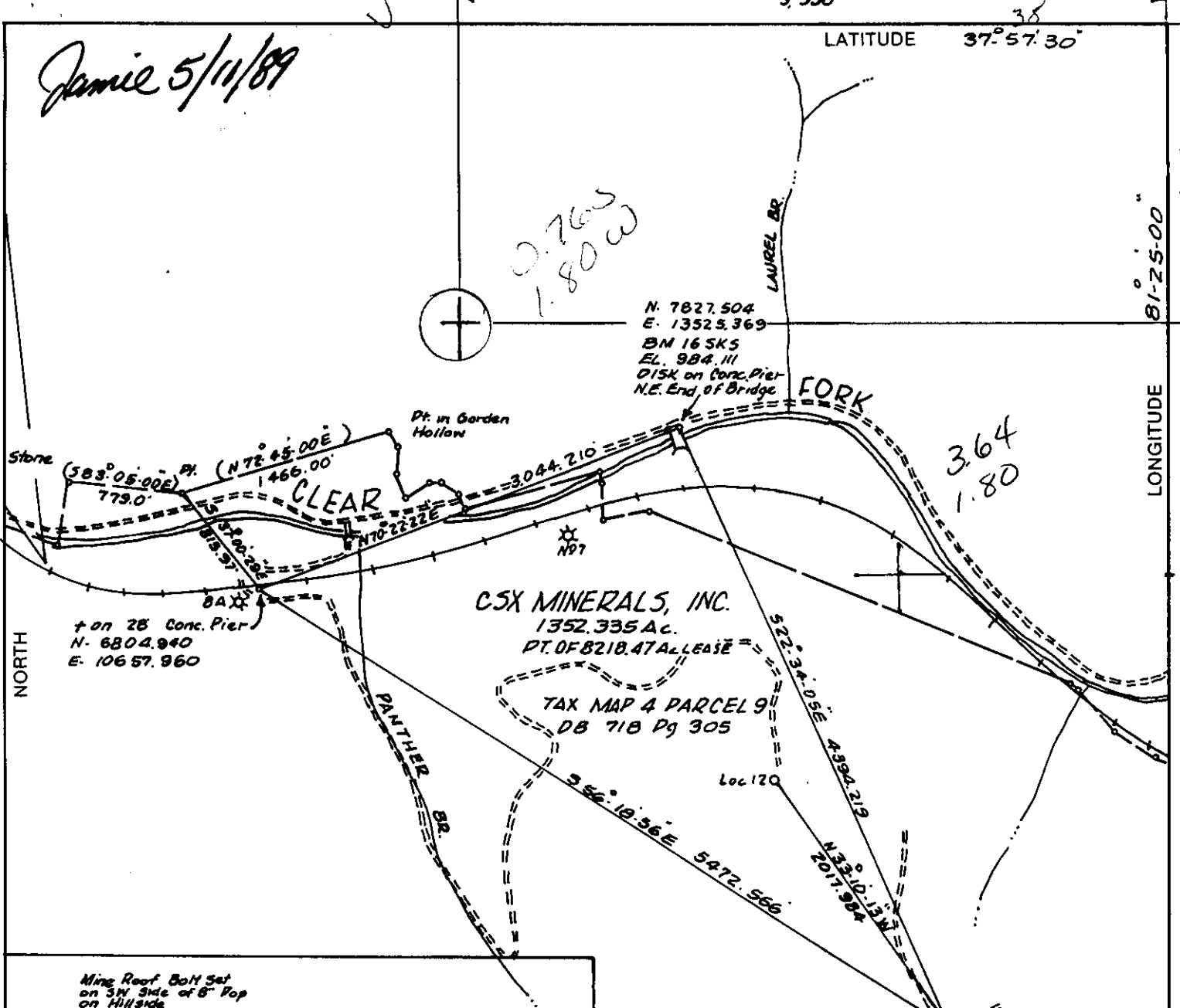
WELL OPERATOR PEAKE OPERATING COMPANY DESIGNATED AGENT TOM LIBERATORE
ADDRESS 1401 CHARLESTON NATIONAL PLAZA ADDRESS 1401 CHARLESTON NATIONAL PLAZA
CHARLESTON WV 25301

COUNTY NAME RALEIGH
PERMIT 0864

Janice 5/11/89

LATITUDE 37° 57' 30"

LONGITUDE 81° 25' 00"

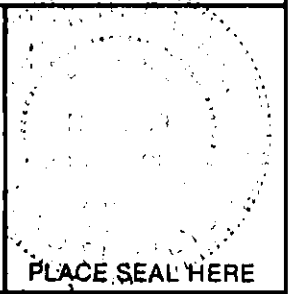


LOCATION REFERENCES

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:5000
 PROVEN SOURCE OF ELEVATION BM SK5 EL. 984
Shown Above

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 (SIGNED) Frank H. Barber
 R.P.E. _____ L.L.S. 289



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

DATE MAR. 21, 19 89
 OPERATOR'S WELL NO. 21 Dorothy Sarita
 API WELL NO. 47-081-0864
 STATE 47 COUNTY 081 PERMIT 0864

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1633 WATER SHED CLEAR FORK
 DISTRICT CLEAR FORK COUNTY RALEIGH
 QUADRANGLE DOROTHY 325 036 1

SURFACE OWNER WESTERN POCAHONTAS ACREAGE 1352.33
 OIL & GAS ROYALTY OWNER CSX MINERALS, INC. LEASE ACREAGE 8218.47
 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 _____ ESTIMATED DEPTH _____

WELL OPERATOR PEAKE OPERATING COMPANY DESIGNATED AGENT TOM LIBERATORE
 ADDRESS 1401 CHARLESTON NATIONAL PLAZA ADDRESS 1401 CHARLESTON NATIONAL PLAZA
CHARLESTON, WV. 25301 6104 CHARLESTON, WV. 25301

MAY 22 1989

FORM WW-6 H.T. HALL 48673

COUNTY NAME PERMIT

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

Environmental
OCT 23 1992
Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm Name: WESTERN POCAHONTAS PROP Operator Well No.: SARITA 21 ADS

LOCATION: Elevation: 1633.00 Quadrangle: DOROTHY

District: CLEAR FORK County: RALEIGH
Latitude: 4000 Feet South of 37 Deg. 57Min. 30 Sec.
Longitude 9550 Feet West of 81 Deg. 25 Min. 0 Sec.

Company: PEAKE OPERATING COMPANY
1401 CHARLESTON NAT'L PLAZA
CHARLESTON, WV 25301-0000

Agent: THOMAS S. LIBERATORE

Inspector: RODNEY G. DILLON
Permit Issued: 01/28/91
Well work Commenced: 07/07/92
Well work Completed: 07/18/92
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 5360
Fresh water depths (ft) 50

Salt water depths (ft) none reported

Is coal being mined in area (Y/N)? N
Coal Depths (ft): none reported

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
12 3/4"	47'	47'	- -
9 5/8"	940'	940'	300 sx Class A
7"	1726'	1726'	285 sx Class A
4 1/2"	5284'	5284'	215 sx Pozmix

OPEN FLOW DATA

Producing formation Gordon Siltstone Pay zone depth (ft) 3470-76
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
3850-60

Second producing formation Devonian Shale Pay zone depth (ft) 4828-5182
Gas: Initial open flow - - MCF/d Oil: Initial open flow - - Bbl/d
Final open flow 919 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests I Hours
Static rock Pressure 620 psig (surface pressure) after 47 Hours

* Rock pressures and open flows are combined

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

Reviewed TMB
Recorded _____

By: Thomas S. Liberatore, Operations Manager
Date: October 22, 1992

FORM WR-35
(Reverse)

PERMIT #: 47-081-0910
CO. WELL #: #21-ADS
ELEVATION: 1633 GL 1645 KB

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

- OCT. 13, 1992: PERFORATED THE DEVONIAN SHALE INTERVAL FROM 4828 TO 5182 WITH 35 HOLES.
- OCT. 15, 1992: NITROGEN FRAC'D THE SHALE USING 2.083 MMSCF OF NITROGEN. BDP = 2800#. ATP = 3750#. ISIP = 1984#. AIR = 93,362 SCF/min. 15-min. SI = 1699#
- OCT. 19, 1992: PERFORATED THE SHALE FROM 3850 TO 3860 WITH 20 HOLES. BROKE DOWN SHALE AND OPENED PERFS USING 500 GAL 15% ACID AND NITROGEN. PERFORATED THE GORDON FROM 3470 TO 3476 USING 24 HOLES. FOAM-FRAC. USING 50,000# OF SAND, 555,000 SCF OF NITROGEN, AND 283 BBL OF WATER. BDP = 1613#. ATP = 1497#. ISIP = 1300#. 15-min. SI = 1084#.

WELL LOG (all depths taken from KB)

ROCK TYPE OR FORMATION	TOP	BOTTOM	REMARKS
SILTSTONE	0	140	WTR. at 50'
SAND	140	182	(1" STREAM)
SHALE	182	316	
SAND	316	346	
SHALE	346	710	
SAND	710	885	
SHALE	885	1074	
SAND	1074	1331	
SHALE & SAND STRINGERS	1331	1781	
AVIS LIME	1781	1814	
SHALE	1814	2291	
LOWER MAXTON SAND	2291	2348	
LITTLE LIME (REYNOLDS)	2356	2410	
PENCIL CAVE	2410	2446	
BIG LIME (GREENBRIER)	2446	2752	
SHALE	2752	2870	
WEIR SANDSTONE	2870	2942	
SHALE	2942	3244	
COFFEE SHALE (SUNBURY)	3244	3260	
BEREA HORIZON	3260	3264	
SHALE	3264	3470	
GORDON SILTSTONE	3470	3486	
SHALE	3486	4474	GAS at 3855*
BROWN SHALE (LOWER HURON)	4474	5194	
SHALE (JAVA)	5194	5360	
TOTAL DEPTH	5360		

* >500 MCF NATURAL; BLEW DOWN TO 377 MCF AT T.O.

11325

18
47-081-0864 Nov 910
Issued 5/18/89 Expires 5/18/91
Page 3 of 7

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

- 1) Well Operator: PEAKE OPERATING COMPANY ⁶⁴⁹ 37100 (1) 325
- 2) Operator's Well Number: Dorothy-Sarita #21-ADS 3) Elevation: 1633
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Devonian Shale ⁴⁰¹
- 6) Proposed Total Depth: 5365 feet
- 7) Approximate fresh water strata depths: 607' 1500 asl 102', 927'
- 8) Approximate salt water depths: 350 asl
- 9) Approximate coal seam depths: none
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill and stimulate New Well
- 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	12 1/4"	H-40	42#	30'	30'	CTS
Fresh Water	9 5/8"	H-40	32#	900'	900'	CTS
Coal						30 CSR 11.3 30 CSR 11.2
Intermediate	7"	J-55	17#	1700'	1700'	CTS
Production	4 1/2"	J-55	9.5#	5360'	5360'	150 sks.
Tubing	2 3/8"			5360'	5350'	30 CSR 11.1
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

RECEIVED
MAY 02 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Fee(s) paid: Plat WW-9 WW-2B Bond 50 Blanket sum Agent
(Type)

RECEIVED
MAY 02 1989

1) Date: _____
2) Operator's well number
Dorothy-Sarita #21-ADS
3) API Well No: 47 - 081-- 0864
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
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 Prop. Ltd
Address Box 2827 Ptnrship
Huntington, WV 25727
(b) Name Attn: David T. Morrison
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Western Pocahontas Prop. Ltd. Ptnrship
Address Box 2827
Huntington, WV 25727
Name Attn: David T. Morrison
Address _____

6) Inspector Rodney Dillon
Address Box 1526
Sophia, WV 25921
Telephone (304)- 683-3989

(c) Coal Lessee with Declaration
Name Primeacres Land Corp. Attn: Tim Comer
Address 7012 MacCorkle Ave., SE
Charleston, WV 25304

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 7 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 BEAKE OPERATING COMPANY
By: [Signature]
Its: Operations Manager
Address 1401 Charleston National Plaza
Charleston, WV 25301
Telephone _____



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
ROGER B. WISE
83 Geronimo Dr.
St. Albans, West Virginia 25177
My Commission Expires Nov. 21, 1994

Subscribed and sworn before me this 28 day of April, 1989

[Signature] Notary Public
My commission expires 21 Nov 1994

001-0910

Issued 1/28/91

Expires 1/28/93 Page 3 of 8

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

- 1) Well Operator: Peake Operating Company 37100 (1) 325
- 2) Operator's Well Number: Dorothy Saxita #21-ADS 3) Elevation: 1633'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Devonian Shale
- 6) Proposed Total Depth: 5365 feet
- 7) Approximate fresh water strata depths: 150'
- 8) Approximate salt water depths: 1280'
- 9) Approximate coal seam depths: NONE
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: New Well
- 12) Drill & Stimulate New Well

RECEIVED
Division of Energy
JAN 11 91
Permitting
Oil and Gas Section

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	12 1/4"	H-40	42#	30'	30'	CTS
Fresh Water	9 5/8"	H-40	32#	900'	900'	38 CSR 18-11.3
Coal						
Intermediate	7"	J-55	17#	1700'	1700'	38 CSR 18-11.2.2
Production	4 1/2"	J-55	9.5#	5360'	5360'	38 CSR 18-11.1
Tubing	2 3/8"			5360'	5360'	
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-28 Bond Blanket sure Agent
 (Type)

5443
#1

1) Date: Jan 11 1991
2) Operator's well number
Dorothy Sarita #21-ADS
3) API Well No: 47 - 081 - 0910
State - County - Permit

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

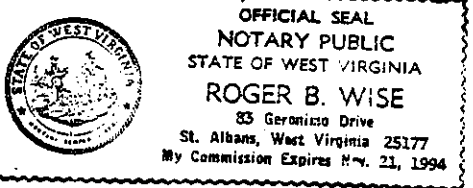
RECEIVED
Division of Energy
JAN 11 91

- 4) Surface Owner(s) to be served:
 - (a) Name Western Pocahontas Prop. Ltd.
 - Address Box 2827 Partnership
Huntington, WV 25727
 - (b) Name ATTN: David T. Morrison
 - Address _____
 - (c) Name _____
 - Address _____
- 5) (a) Coal Operator:
 - Name Pinnacle Rock Coal Corp.
 - Address Box 757
Danville, WV 25053 ATTN: Greg Patterson
 - (b) Coal Owner(s) with Declaration:
 - Name Western Pocahontas Prop. Ltd. Partnership
 - Address Box 2827
Huntington, WV 25727
 - Name ATTN: David T. Morrison
 - Address _____
 - (c) Coal Lessee with Declaration
 - Name Primeacre Land Corp./ATTN: Tim Comer
 - Address 7012 MacCorkle Ave. SE
Charleston, WV 25304
- 6) Inspector Rodney Dillon
 - Address Box 1526
Sophia, WV 25921
 - Telephone (304) - 683-3989

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XX Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)
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 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 Operating Company
 By: Thomas S. Peake
 Its: Operations Manager
 Address 1401 Charleston National Plaza
Charleston, WV 25301
 Telephone (304) 343-2163

Subscribed and sworn before me this 11 day of Jan, 1991
James B. Wise Notary Public
 My commission expires 11/21/94