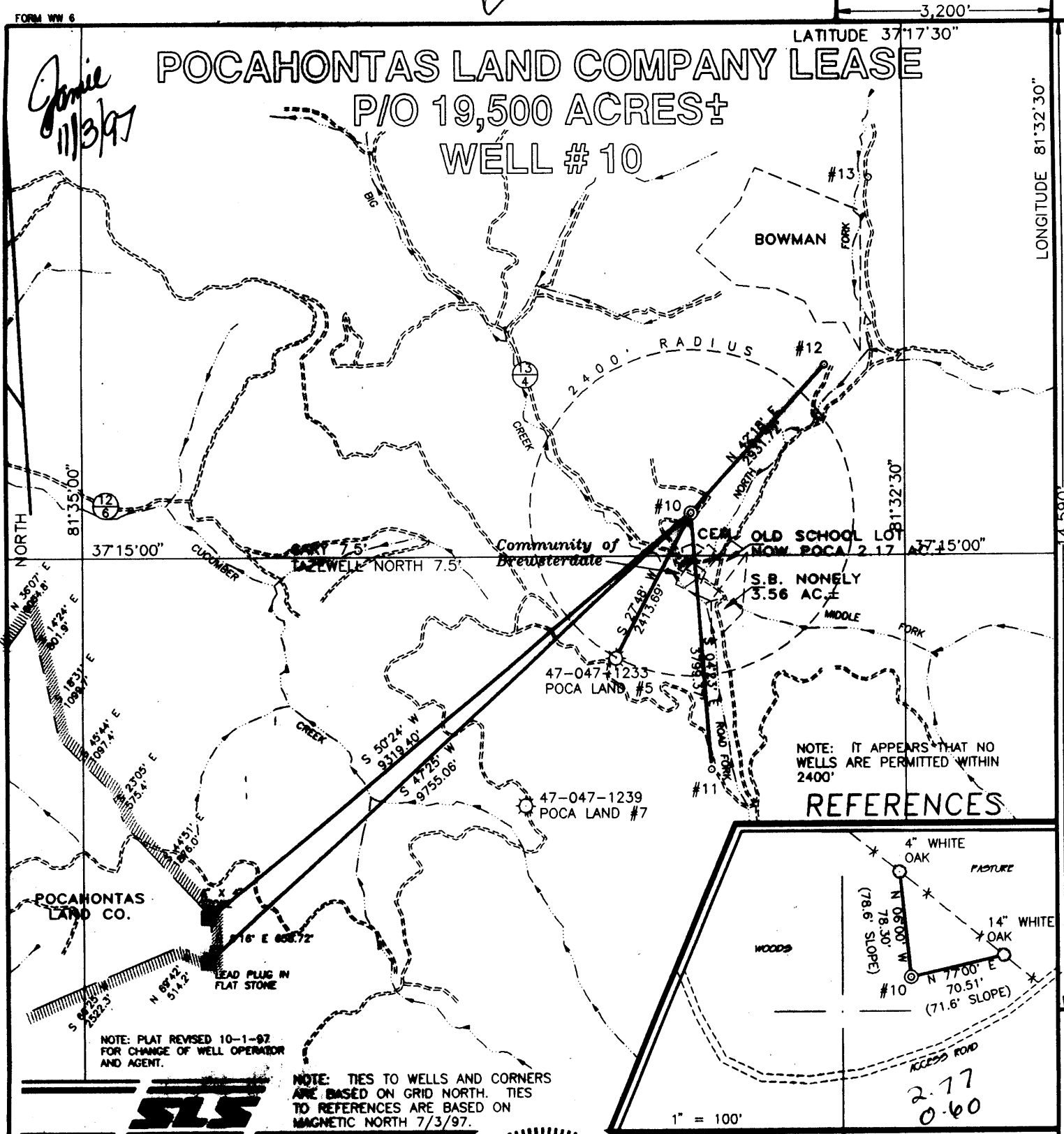


# POCAHONTAS LAND COMPANY LEASE

## P/O 19,500 ACRES±

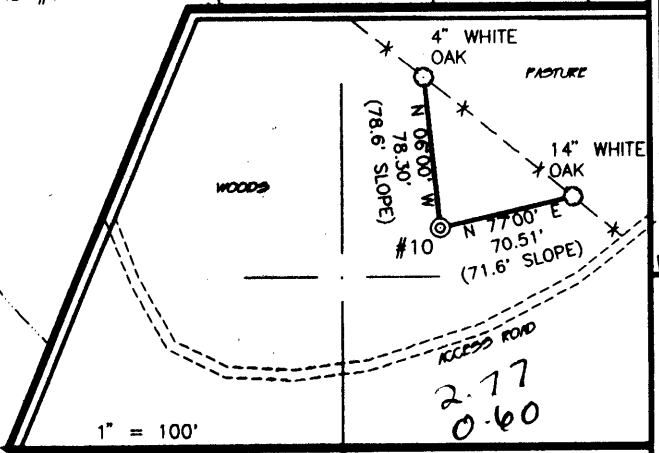
### WELL # 10

*Janie*  
11/3/97



NOTE: IT APPEARS THAT NO WELLS ARE PERMITTED WITHIN 2400'

### REFERENCES



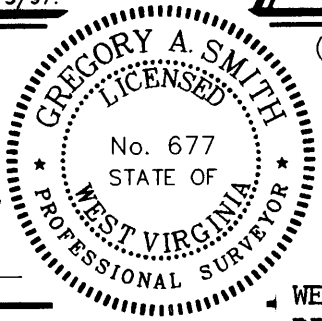
NOTE: PLAT REVISED 10-1-97 FOR CHANGE OF WELL OPERATOR AND AGENT.

NOTE: TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 7/3/97.



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.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JULY 11, 19 97  
 OPERATORS WELL NO. POCA LAND # 10  
 API WELL NO. 47-047-01322  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2921P10 (61-41)  
 SCALE 1" = 2000'  
 PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 1773'

WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 2060' WATERSHED BIG CREEK  
 DISTRICT BIG CREEK COUNTY McDOWELL QUADRANGLE GARY 7.5'

SURFACE OWNER POCAHONTAS LAND COMPANY P/O TRACT 2017 ACREAGE 125 OF 19,500  
 ROYALTY OWNER POCAHONTAS LAND COMPANY LEASE ACREAGE 19,500

PROPOSED WORK: LEASE NO. \_\_\_\_\_  
 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER \_\_\_\_\_  
 PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION DEVONIAN SHALE  
 ESTIMATED DEPTH 6500'

WELL OPERATOR CABOT OIL AND GAS Inc. DESIGNATED AGENT JOHN ABSHIRE NOV 07 1997  
 ADDRESS P.O. BOX 454 GLASGOW, WV 25086 ADDRESS P.O. BOX 454 GLASGOW, WV 25086

COUNTY NAME PERMIT

OCT 10 1997

FORM WW-2B

Page \_\_\_\_ of \_\_\_\_

**PERMITS**  
**STATE OF WEST VIRGINIA**  
**DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

24448

- 1) Well Operator: Cabot Oil & Gas Corporation 8145 (3) 359
- 2) Operator's Well Number: Pocahontas Land #10 3) Elevation: 2060'
- 4) Well Type: a) Oil      / or Gas X /  
b) If Gas: Production X /Underground Storage      /  
Deep      / Shallow X /
- 5) Proposed Target Formation(s): Big Lime 345
- 6) Proposed Total Depth: 3600 feet
- 7) Approximate fresh water strata depths: none expected
- 8) Approximate salt water depths: 553'
- 9) Approximate coal seam depths: site below Poca #3 seam, 143'
- 10) Does land contain coal seams tributary to active mine? Yes      / No X /
- 11) Proposed Well Work: Drill and complete a gas well
- 12) Based on McDowell 1233, 1239 coal company maps

Issued 11/03/97  
Expires 11/03/99

**CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For Drilling	Left in Well	Fill-up (cu. ft.)
Conductor	16"	L.S.	65#	30'	30'	10 sks (GFS)
Fresh Water						
Coal	8-5/8"	L.S.	20#	500'	500'	160 sks (CTS)
Intermediate						
Production	4-1/2"	M-50	10.5#	3550'	3550'	100 sks
Tubing						
Liners						

38 CSR 10-11-3  
38 CSR 10-11-2-2  
38 CSR 10-11-1

**PACKERS:** Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

**For Office of Oil and Gas Use Only**

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

1900003267

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**RECEIVED**  
WV Division of  
Environmental Protection  
OCT 10 1997

- 1) Date October 6, 1997
- 2) Operator's well number  
Pocahontas Land #10
- 3) API Well No 47 - 047 - 1322  
State County Permit

Permitting  
Office of Oil & Gas  
**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT**  
**DIVISION OF ENVIRONMENTAL PROTECTION**  
**OFFICE OF OIL AND GAS**

**NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

- 4) Surface Owner(s) to be served
  - (a) Name Pocahontas Land Corp.  
Address P.O. Box 1517  
Bluefield, WV 24701
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Ofie Helmick  
Address P.O. Box 398  
Brenton, WV 24818  
Telephone (304) 543-0764

- 5) (a) Coal Operator
  - Name Baystar Coal Corp.  
Address P.O. Box 1084  
Bluefield, VA 24605
  - (b) Coal Owner(s) with Declaration
    - Name Pocahontas Land Corp.  
Address P.O. Box 1517  
Bluefield, WV 24701
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)  
 I certify that as required under Chapter 22 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 22-6 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 Cabot Oil & Gas Corporation  
 By [Signature]  
 Its Geologist  
 Address 400 Fairway Drive Suite 400  
Coraopolis, PA 15108  
 Telephone (412)299-7000

Subscribed and sworn before me this 6th day of October, 19 97

[Signature]  
My commission expires \_\_\_\_\_

Notary Public  
April 30, 2001

Notarial Seal  
 Susan K. Hayden, Notary Public  
 Moon Twp., Allegheny County  
 My Commission Expires April 30, 2001  
 Member, Pennsylvania Association of Notaries