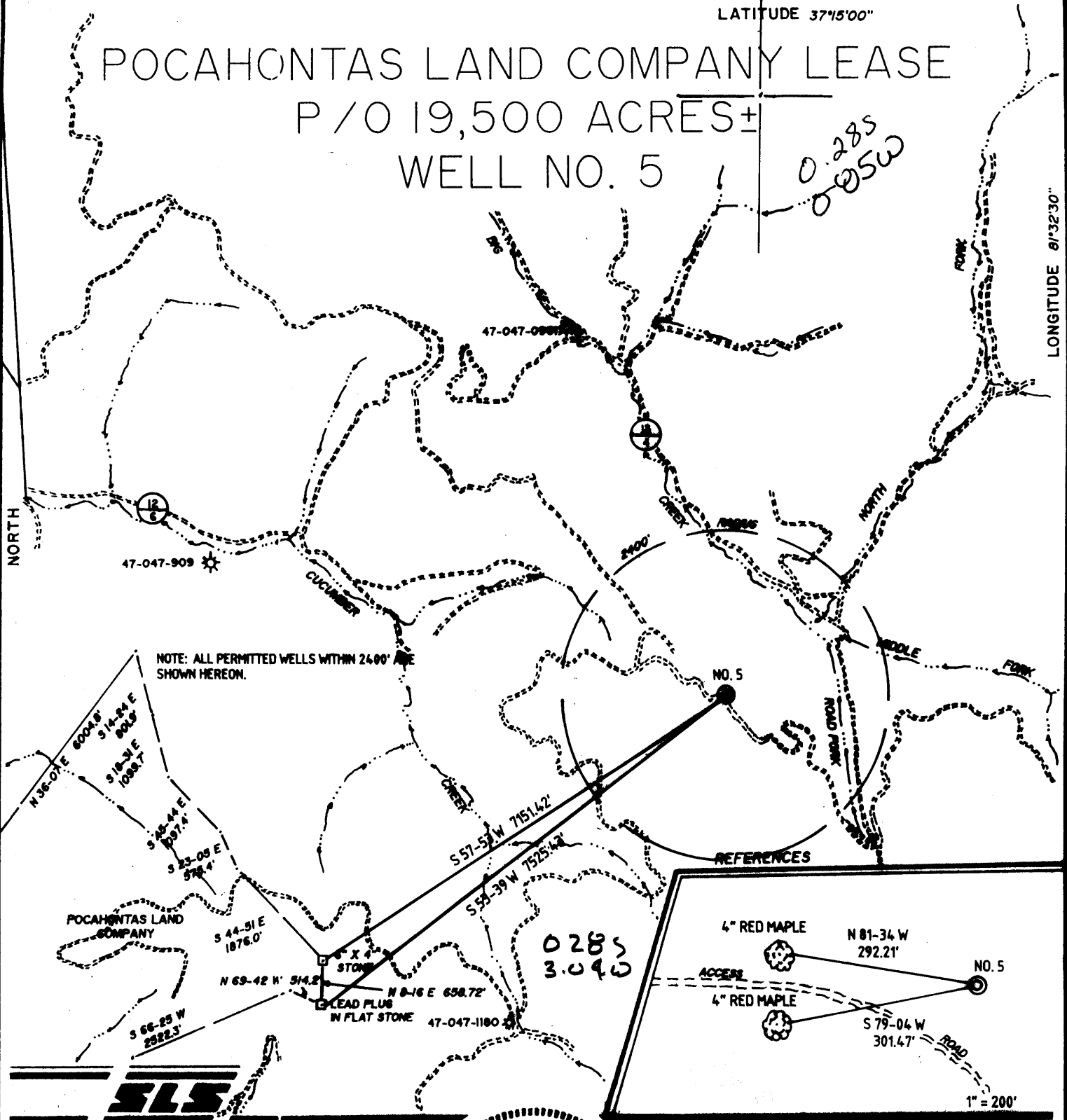


LATITUDE 37°15'00"

4,500'

# POCAHONTAS LAND COMPANY LEASE P / O 19,500 ACRES ± WELL NO. 5

0.285  
0.05W



NOTE: ALL PERMITTED WELLS WITHIN 2400' ARE SHOWN HEREON.

REFERENCES

4" RED MAPLE

N 81-34 W 292.21'

NO. 5

4" RED MAPLE

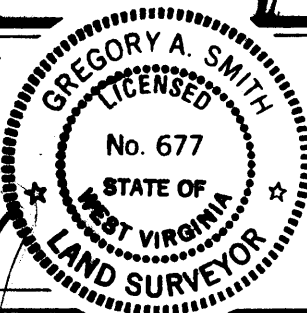
S 79-04 W 301.47'

1" = 200'

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.

L.L.S. 677

*Gregory A. Smith*



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

DATE JULY 30, 19 93

OPERATORS WELL NO. POCA NO.5

API WELL NO. 47 - 047 - 1239  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2921 (41-66)  
PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 1805' SCALE 1" = 2000'

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



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

LOCATION: ELEVATION 2320' WATERSHED BIG CREEK

DISTRICT BIG CREEK COUNTY McDOWELL QUADRANGLE TAZEWELL NORTH 7.5'

SURFACE OWNER POCAHONTAS LAND COMPANY (DONALD D. SMITH) ACREAGE 899.66 Pound Mill NE

ROYALTY OWNER POCAHONTAS LAND COMPANY (DONALD D. SMITH) LEASE ACREAGE 899.66 OF 19,500

PROPOSED WORK: 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 PHOENIX DIVERSIFIED VENTURES Inc. DESIGNATED AGENT TOM DUNN JUL 28 1994

ADDRESS P.O. BOX 428 BUCKHANNON, WV 26201 ADDRESS P.O. BOX 428 BUCKHANNON, WV 26201

4554

6-6 0

COUNTY NAME PERMIT

575

SEP 27 1994

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

Permitting  
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: **POCAHONTA LAND CORP.** Operator Well No.: **POCA #5**  
LOCATION: Elevation: **2,320.00** Quadrangle: **TAZEWELL NORTH**  
District: **BIG CREEK** County: **MCDOWELL**  
Latitude: **1500** Feet South of **37** Deg. **15** Min. **0** Sec.  
Longitude: **4500** Feet West of **81** Deg. **32** Min. **30** Sec.

Company: **PHOENIX DIVERSIFIED VENTURES**  
**P. O. BOX 428**  
**BUCKHANNON, WV 26201-0428**

Agent: **THOMAS B. DUNN**

INSPECTOR: **OFIE HELMICK**

Permit Issued: **07/29/94**

Well work commenced: **08/30/94**

Well Work completed: **09/05/94**

Verbal Plugging

Permission granted on:

Rotary  Cable Rig

Total Depth (feet) **4,110'**

Fresh water depths (ft) **50'**

Salt water depths (ft) **NONE REPORTED**

Is coal being mined in area (Y/N)? **Y**

Coal Depths (ft): **113-121, 393-397**

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	434'	434'	C.T.S.
8-5/8"	1,261'	1,261'	C.T.S.
4-1/2"		3,658'	150 Sks.

OPEN FLOW DATA

Producing formation **BIG LIME** Pay zone depth (ft) **See Treatment**  
Gas: Initial open flow **133** MCF/d Oil: Initial open flow **N/A** Bbl/d  
Final open flow **1,073** MCF/d Final open flow **N/A** Bbl/d  
Time of open flow between initial and final tests **4** Hours  
Static Rock pressure **775** psig (surface pressure) after **48** 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 STIMULATION, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

  
For: **WACO OIL AND GAS COMPANY, INC.**

By: **Daniel R. Chapman, Geologist**

Date: **September 19, 1994**

OCT 6 1994

1st Stage: Big Lime (3530-34) 5,000 gal 15% FE acid, 120 mcf N<sub>2</sub>

Sand, Shale	0	550	
Sand, Shale, Red Rock	550	1853	
Sand, Shale	1853	3275	
Big Lime	3275	4054	
Sand, Shale	4054	4110	T. D.

Coal Seams

113 - 121  
393 - 397

56661

FORM WW-2B

JUL 14 1994

Permitting  
Office of

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

4554

38605

②

636

- 1) Well Operator: Phoenix Diversified Ventures, Inc.
- 2) Operator's Well Number: Poca No. 5 3) Elevation: 2,320'
- 4) Well type: (a) Oil   / or Gas X/  
(b) If Gas: Production X/ Underground Storage   /  
Deep   / Shallow X/
- 5) Proposed Target Formation(s): Berea 395
- 6) Proposed Total Depth: 6,500 feet
- 7) Approximate fresh water strata depths: None
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 360
- 10) Does land contain coal seams tributary to active mine? Yes   / No X/
- 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	
Conductor					
Fresh Water	11-3/4"	H	42#	410'	410' <i>38 CSR 10-1/2</i>
Coal					
Intermediate	8-5/8"	J	23#	1,535'	1,535' G.T.S.
Production	4-1/2"	J	10.5#	4,600'	200 ft <sup>3</sup>
Tubing					
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   cc    Agent  
(Type)

19495

03/16/25

RECEIVED

JUL 1 1994

- 1) Date: June 30, 1994
- 2) Operator's well number  
Poca No. 5
- 3) API Well No: 47 - 047 - 1239  
State - County - Permit

STATE OF WEST VIRGINIA  
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 Company  
Address Mr. Daniel D. Smith  
P.O. Box 1517, Bluefield, VA 24701
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration  
Name Pocahontas Land Company  
Address P.O. Box 1517  
Bluefield, VA 24701
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name U. S. Diversified Group  
Address Ms. Robert Pawlowski-P.O. Box 5685  
Princeton, WV 24740
- 6) Inspector Ofie Helmick  
Address P. O. Box 398  
Brenton, WV 24818  
Telephone (304)-732-9135

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 Phoenix Diversified Ventures, Inc.  
By: Tom Dunn  
Its: Designated Agent  
Address P. O. Box 428  
Buckhannon, WV 26201  
Telephone (304) 472-1940

Notarial Seal  
Susan K. Durko, Notary Public  
Upper St. Clair Twp., Allegheny County  
My Commission Expires Oct. 27, 1997  
Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this 30th day of June, 1994

My commission expires October 27, 1997  
Susan K. Durko Notary Public