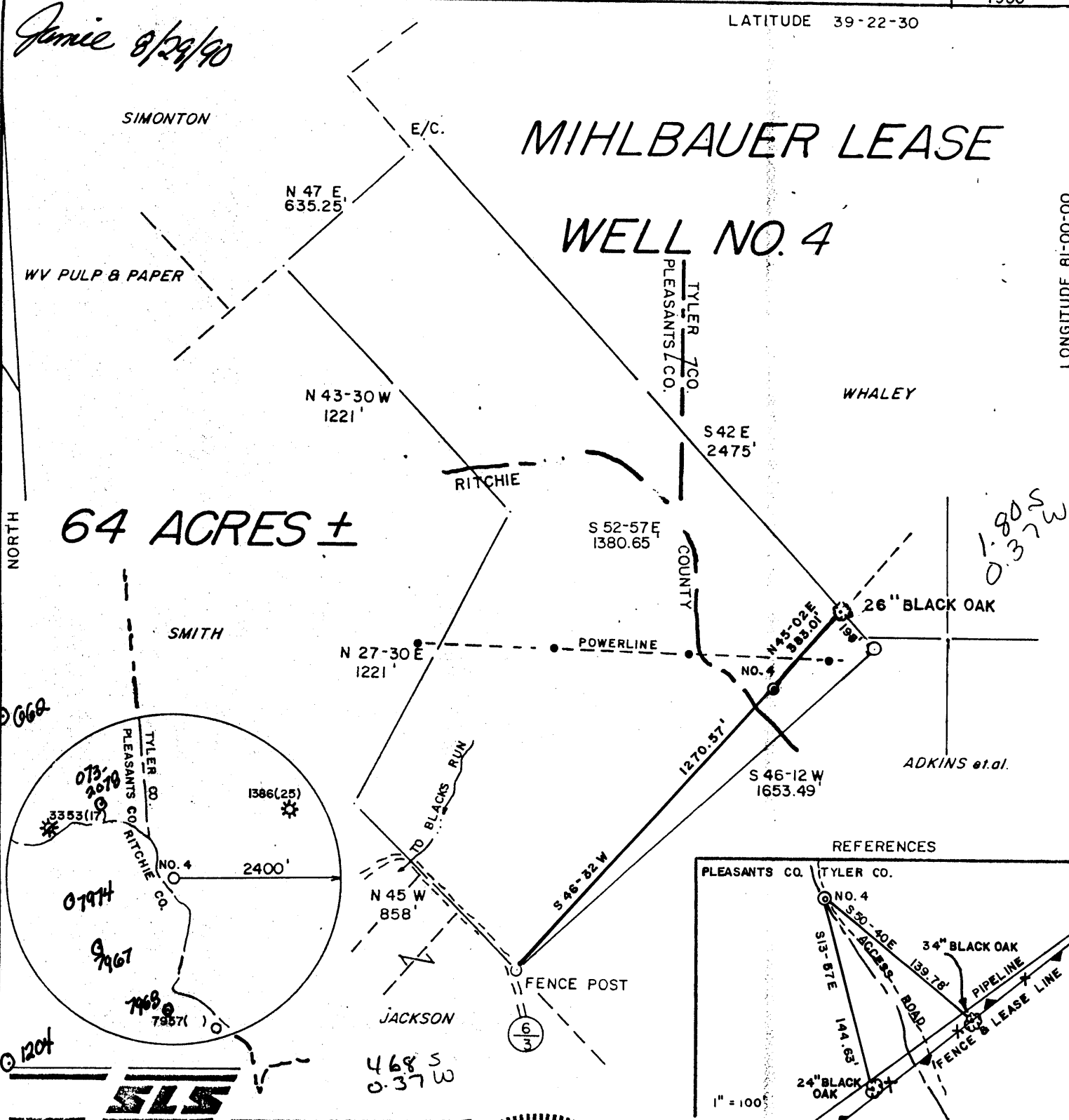


Janice 8/29/90

LATITUDE 39-22-30

1950'

00-00-18 E (LONGITUDE)

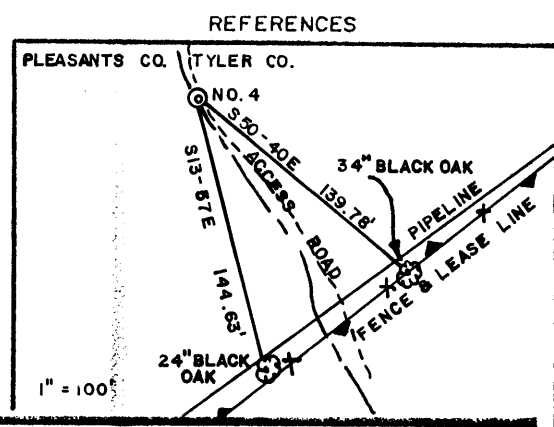


64 ACRES ±

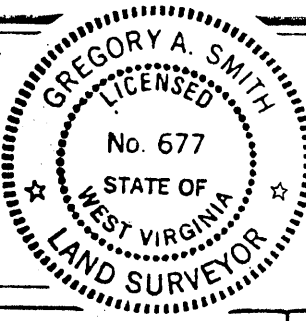
# MIHLBAUER LEASE

## WELL NO. 4

1.80 S  
0.37 W



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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE AUGUST 22, 1990  
 OPERATORS WELL NO. MIHLBAUER NO. 4  
 API WELL NO. 47 - 095 - 1426  
 STATE COUNTY PERMIT

L.L.S. 677 Gregory A. Smith

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1734 (33-41)  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1054' SCALE 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



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

LOCATION: ELEVATION 1083' WATERSHED BRUSH RUN  
 DISTRICT MEADE 4 COUNTY TYLER QUADRANGLE ELLENBORO 7.5'

SURFACE OWNER GARY W., JUDITH K., & JEFF W. CHILDERS ACREAGE 64 St. Marys EC  
 ROYALTY OWNER GARY W. CHILDERS et al. LEASE ACREAGE 64

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 BENSON  
 ESTIMATED DEPTH 5000'

WELL OPERATOR CHESTERFIELD ENERGY CORP. 163 DESIGNATED AGENT SAMUEL J. CANNON  
 ADDRESS 203 WEST MAIN ST. CLARKSBURG WV 26301 ADDRESS 203 WEST MAIN ST. CLARKSBURG, WV 26301

COUNTY NAME PERMIT

SEPT 28 90

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

095-1426  
via Chesterfield  
(RFK)

Well Operator's Report of Well Work

Farm name: CHILDERS, GARY ET UX Operator Well No.: MIHLBAUER 4

LOCATION: Elevation: 1083.00 Quadrangle: ELLENBORO

District: LAFAYETTE County: ~~PLEASANTS~~ Tyler  
Latitude: 8440 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 3050 Feet West of 81 Deg. 0 Min. 0 Sec.

Company: CHESTERFIELD ENERGY CORP.  
203 WEST MAIN STREET  
CLARKSBURG, WV 26301-0000

Agent: SAMUEL J. CANN

Inspector: GLEN P. ROBINSON  
Permit Issued: 08/29/90  
Well work Commenced: 09/06/90  
Well work Completed: 09/11/90

Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary XX Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5115  
Fresh water depths (ft) None

Salt water depths (ft) None

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8		1245'	325 sks
4 1/2		5040'	200 sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4975'-4984'  
Gas: Initial open flow 76 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 133 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 144 Hours  
Static rock Pressure 1220 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 STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

RECEIVED  
Division of Energy  
OCT 01 90  
Permitting  
Oil and Gas

Samuel J. Cann  
For: CHESTERFIELD ENERGY CORP.  
By: Samuel J. Cann  
Date: September 17, 1990

OCT 1 1990  
1

Frac Info:

Benson            60 Quality Foam  
                      50,000# 20/40 Sand  
                      435,000 SCF Nitrogen

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Red Clay	0	28		
Sand	28	70		
Red Rock & Shale	70	673		
Sand	673	982		
Sand & Shale	982	1205		
Red Rock & Shale	1205	1591		
Sand	1591	1741		
Sahle	1741	1964	Gas Ck @ 1902'	10/10-1" w/w
Big Lime	1964	2050	Gas ck@ 2118'	6/10-1" w/w
Injun	2050	2184	Gas Ck @ 2866'	24/10-1" w/w
Sand & Shale	2184	2465	Gas Ck @ 3052'	34/10-1" w/w
Weir	2465	2500	Gas Ck @ 5106'	52/10-1" w/w
Sand 7 Shale	2500	2970		
Gordon	2970	2980		
Shale	2980	3564		
Balltown	3564	3620		
Shale	3620	4975		
Benson	4975	4984		
Shale	4984	5115		
TD	5115			

11171

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

- 1) Well Operator: CHESTERFIELD ENERGY CORPORATION 9550 (3) 337
- 2) Operator's Well Number: MIHLBAUER WELL NO. 4 3) Elevation: 1083'
- 4) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow
- 5) Proposed Target Formation(s): Benson 425
- 6) Proposed Total Depth: 5000 feet
- 7) Approximate fresh water strata depths: 115' 417' 510'
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: N/A Coal Blossom @ 510'
- 10) Does land contain coal seams tributary to active mine? Yes  / No
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)

RECEIVED  
Division of Oil and Gas  
AUG 27 1990  
Permitting 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	11-3/4"			30'	0'	0 Sacks
Fresh Water	8-5/8"			1150'	1150' <u>CS</u>	By Rule 38 CSR 18-11.3
Coal						
Intermediate						
Production	4-1/2"			5000'	5000'	By Rule 38 CSR 18-11.1
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 Blanket Sure  Agent  
(Type)

11171

9539  
24

1) Date: August 23, 1990  
2) Operator's well number  
Mihlbauer Well No. 4  
3) API Well No: 47 - 095 - 1426  
State - County - Permit

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

RE  
Div.  
AUG 27  
Permitting  
Oil and Gas Sect.

4) Surface Owner(s) to be served:  
(a) Name Gary W. Childers, et ux  
Address 117 Braxton Road  
Weirton, WV 26062  
(b) Name Jeff W. Childers, et ux  
Address Box 189  
St. Mary's, WV 26170  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Samuel Hersman  
Address Rt. 1, Box 240  
Harrisville, WV 26362  
Telephone (304)-628-3185

5) (a) Coal Operator:  
Name N/A  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address N/A  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address N/A

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

XX 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:

- XX 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 Chesterfield Energy Corporation

By: Samuel Hersman  
Its: Vice President Land and Contracts  
Address 203 West Main Street  
Clarksburg, WV 26301  
Telephone (304) 623-5467

Subscribed and sworn before me this 23rd day of August, 1990

Blonde Mummend Notary Public  
My commission expires June 14, 1994