

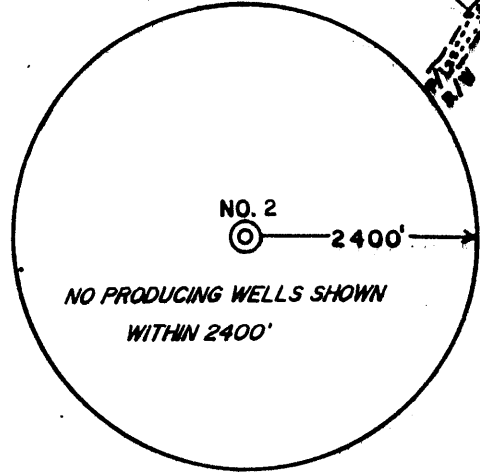
# ASH LEASE

## WELCH WELL NO. 2

### 300 ACRES ± TOTAL

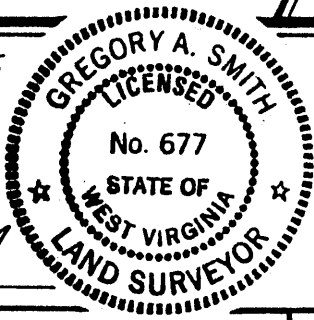
NORTH

00-55-08 E 10111001  
0986



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 APRIL 11, 19 91  
 OPERATORS WELL NO. WELCH NO. 2  
 API WELL NO. 47 - 095 - 1482  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2612 (37-6)  
 PROVEN SOURCE OF ELEVATION TOP OF KNOBELEV 1318' SCALE 1" = 1000'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ "GAS" PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1264' WATERSHED LITTLE FLINT RUN

DISTRICT McELROY 5 COUNTY TYLER QUADRANGLE SHIRLEY 7.5' West Union

SURFACE OWNER CECIL M. Gaskins & Floyd D. Kimball ACREAGE 77.31 EC

ROYALTY OWNER WILLIAM W. ASH HEIRS ET. AL. LEASE ACREAGE 77.31 OF 300

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_ OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_ TARGET FORMATION BENSON-ALEXANDER

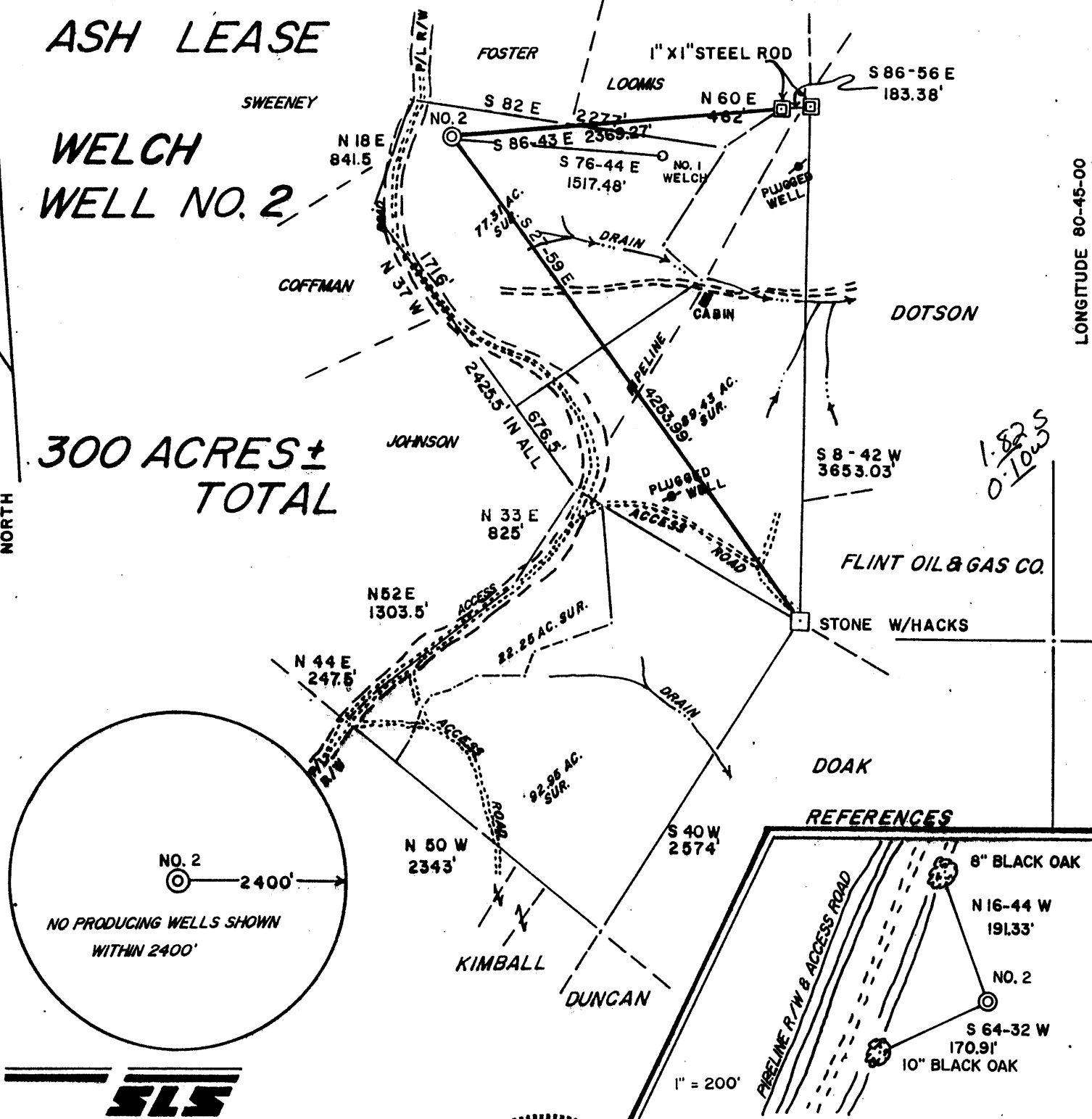
ESTIMATED DEPTH 5500'

WELL OPERATOR CHESTERFIELD ENERGY CORP 163 DESIGNATED AGENT SAMUEL J. CANN

ADDRESS 203 WEST MAIN ST. CLARKSBURG, WV 26301 ADDRESS 203 WEST MAIN ST. CLARKSBURG, WV 26301

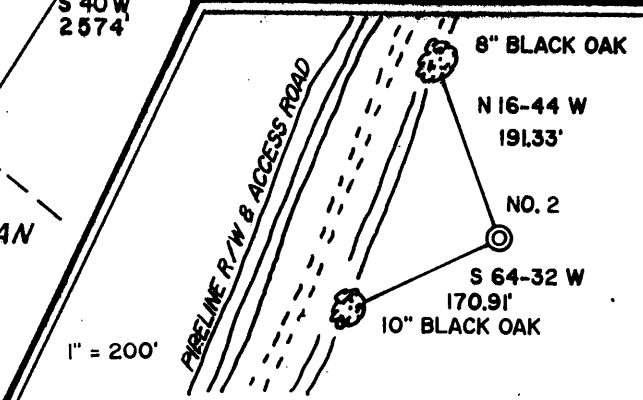
575

COUNTY NAME PERMIT



1.82 S  
0-105 S

#### REFERENCES



6-6 Wilbur (092)

AUG 12 1991

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

Reviewed Imb  
Recorded \_\_\_\_\_

Well Operator's Report of Well Work

SEPT 12 91

Farm name: GASKINS, CECIL M Operator Well No.: WELCH 2

LOCATION: Elevation: 1264.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER  
Latitude: 9580 Feet South of 39 Deg. 25Min. 0 Sec.  
Longitude 620 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: SAMUEL J. CANN

Inspector: MIKE UNDERWOOD  
Permit Issued: 08/06/91  
Well work Commenced: 8/11/91  
Well work Completed: 8/16/91  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary XX Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 5470'  
Fresh water depths (ft) 231'

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 U. Cu. Ft
11 3/4"	30	0	
8 5/8"	1255	1255	to surface
4 1/2"	3128	3128	300 sks

OPEN FLOW DATA

Producing formation Big Injun, Pocono Pay zone depth (ft) 2236-2355'  
Gas: Initial open flow 381 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 1061 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 72 Hou's  
Static rock Pressure 440 psig (surface pressure) after 7 days Hou's

Second producing formation 30 Foot Pay zone depth (ft) 3010-3015'  
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 \_\_\_\_\_ Hou's  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hou's

COMMINGLED WITH FIRST STAGE

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

OCT 02 1991

Division of Energy  
Oil and Gas Section

Samuel J. Cann  
For: CHESTERFIELD ENERGY CORP.  
By: Samuel J. Cann  
Date: September 11, 1991

OCT 04 1991

Frac Info:	Perf 30 Foot	Perf Pocono	Perf Big Injun
	Foam frac w/	Foam frac w/	Foam frac w/
	BDP = 2850	BDP = 1400	BDP = 1300
	Av.T.P.= 2750	Av.T.P.= 2800	Av.T.P.= 2400
	Av.rate = 20 bpm	Av.rate = 20 bpm	Av.rate = 20 bpm
	ISIP = 2400	ISIP = 2000	ISIP = 2000

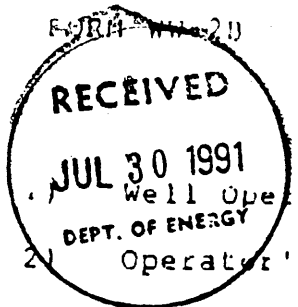
Drilling Info:

Fill	0	30	
Sand & Shale	30	121	1/4" stream water @ 23'
Sand	121	670	
Sand & Shale & Red Rock	670	812	
Shale & Red Rock	812	1036	
Sand	1036	1760	
Sand & Shale	1760	2155	
Little Lime	2155	2168	
Shale	2168	2186	Gas Ck @ 2288' No Show
Big Lime	2186	2236	Gas Ck @ 2350' 80/10-M 2"
Big Injun	2236	2282	Gas Ck @ 2819' 65/10-M 2"
Shale	2282	2306	Gas Ck @ 3625' 6/10-M 2"
Pocono	2306	2355	Gas Ck @ 5145' 6/10-M 2"
Sand & Shale	2355	2768	
Berea	2768	2778	
Sand & Shale	2778	3199	
Gordon	3199	3220	
Sand & Shale	3220	3647	
Warren	3647	3687	
Sand & Shale	3687	5308	
Benson	5308	5315	
Sand & Shale	5315	5460	
TD	5460		

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

095-1482

Issued 8/6/91  
9550 (5) 606



- Well Operator: CHESTERFIELD ENERGY CORPORATION <sup>163</sup>
- 2) Operator's Well Number: WELCH WELL NO. 2 3) Elevation: 1264'
- 4) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- 5) Proposed Target Formation(s): Benson-Alexander <sup>439</sup>
- 6) Proposed Total Depth: 5500 feet
- 7) Approximate fresh water strata depths: 150'
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 11) Proposed Well Work: Drill & Stimulate
- 12)

CASING AND TUBING PROGRAM

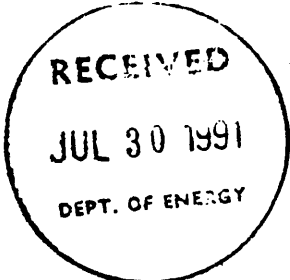
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4"			16'	0'	0 Sacks
Fresh Water	8-5/8"			1000'	1000'	CTS or by 38 CSR 18-11.3
Coal						
Intermediate						
Production	4-1/2"			5500'	5500'	CTS or by 38 CSR 18-11.1
Tubing						
Liners						

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

For Division of Oil and Gas Use Only

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

26921



- 1) Date: May 3rd, 1991
- 2) Operator's well number  
~~XXXXXXXXXXXXXXXXXXXX~~ WELCH WELL NO. 2
- 3) API Well No: 47 - 095 - 1482  
State - County - Permit

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

- |  |  |
|--|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Cecil M. Gaskins</u><br/>Address <u>114 Front Street</u><br/><u>Wierton, WV 26062</u></p> <p>(b) Name <u>Floyd D. Kimball</u><br/>Address <u>114 Front Street</u><br/><u>Weirton, WV 26062</u></p> <p>(c) Name _____<br/>Address _____</p> | <p>5) (a) Coal Operator:<br/>Name <u>N/A</u><br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration<br/>Name <u>N/A</u><br/>Address _____</p> <p>Name _____<br/>Address _____</p> <p>(c) Coal Lessee with Declaration<br/>Name <u>N/A</u><br/>Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u><br/>Address <u>Rt. 2, Box 135</u><br/><u>Salem, WV 26426</u><br/>Telephone (304)- <u>782 - 1043</u></p>  |  |

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  
XXX 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 9 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 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: [Signature]  
Its: Samuel J. Cann-VP of Land & Contracts  
Address 203 West Main Street  
Clarksburg, WV 26301  
Telephone 623 - 5467

Subscribed and sworn before me this 3rd day of May, 1991

[Signature] Notary Public  
My commission expires June 14, 1994