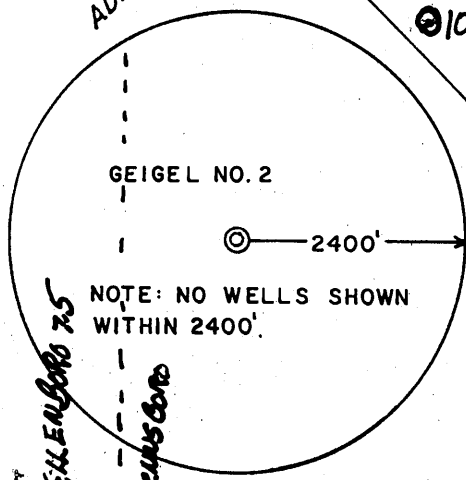
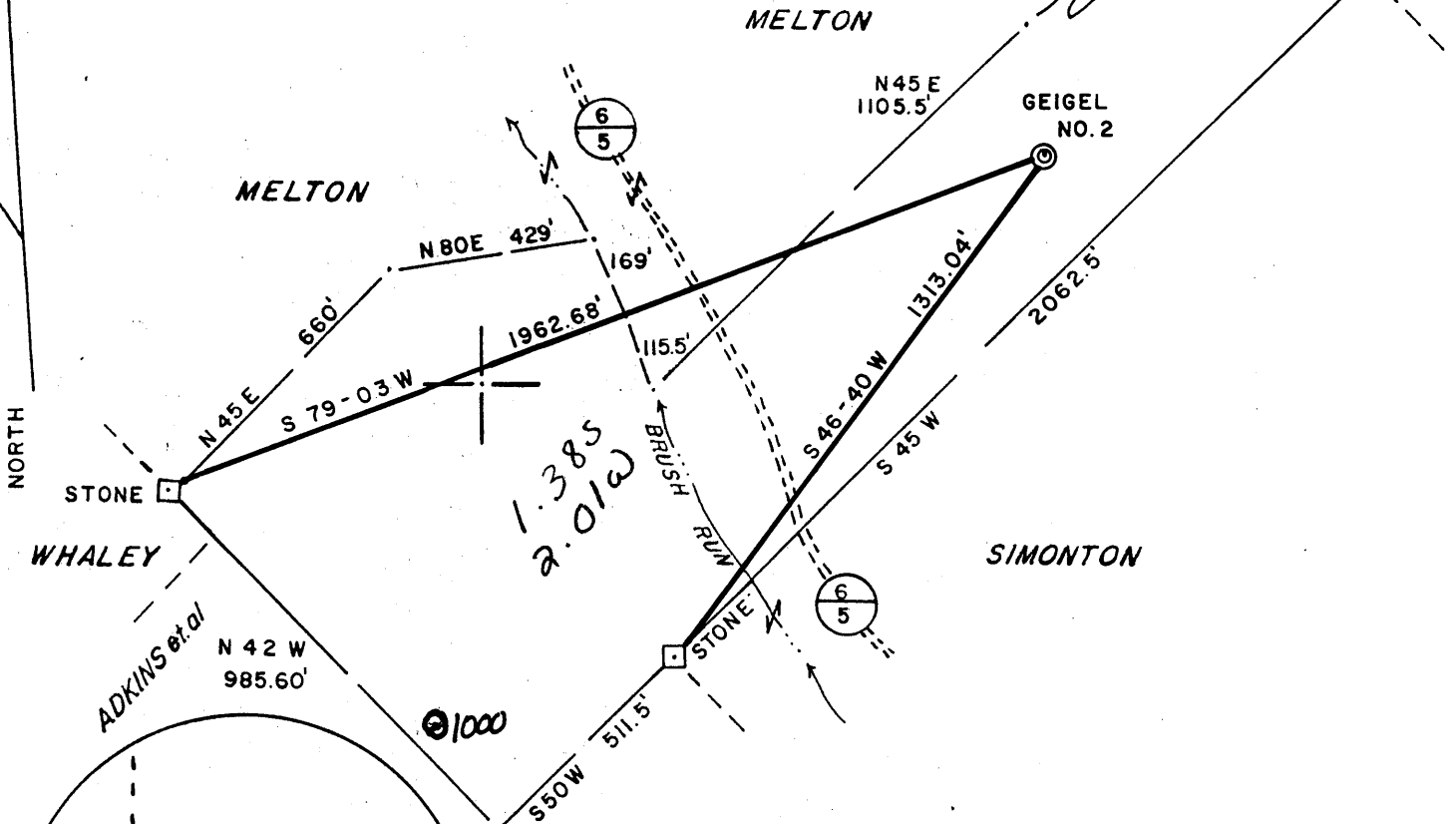


GEIGEL LEASE

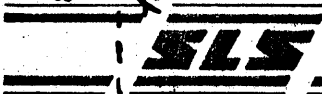
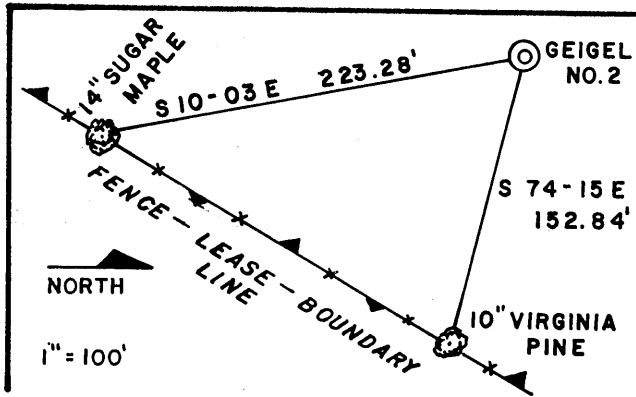
GEIGEL WELL NO. 2

48.3 ACRES ±

Jamie 5/28/90

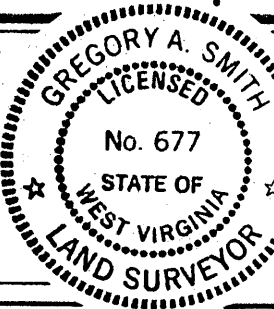


REFERENCES



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 18, 19 90
 OPERATORS WELL NO. GEIGEL NO. 2
 API WELL NO. 47 - 095 - 1391
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2207 (31-14,24)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1083' SCALE 1" = 400'

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 938' WATERSHED BRUSH RUN West Union Wc
 DISTRICT MEADE 4 COUNTY TYLER QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER NAOMI GEIGEL ACREAGE 48.3
 ROYALTY OWNER NAOMI GEIGEL et. al. LEASE ACREAGE 48.3

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 4950'

WELL OPERATOR CHESTERFIELD ENERGY CORP. 163 DESIGNATED AGENT SAMUEL J. CANN JUN 11 1990
 ADDRESS 203 WEST MAIN ST. CLARKSBURG, WV 26301 ADDRESS 203 WEST MAIN ST. CLARKSBURG, WV 26301

S/S

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

Farm name: GEIGEL, NAOMI, WIDOW Operator Well No.: GEIGEL #2

LOCATION: Elevation: 938.00 Quadrangle: PENNSBORO

SEPT 14

District: MEADE County: TYLER
Latitude: 7340 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 10700 Feet West of 80 Deg. 57 Min. 30 Sec.

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

Agent: SAMUEL J. CANN

Inspector: GLEN P. ROBINSON
Permit Issued: 05/29/90
Well work Commenced: 07/09/90
Well work Completed: 07/14/90
Verbal Plugging
Permission granted on: _____
Rotary XX Cable _____ Rig
Total Depth (feet) 5004'
Fresh water depths (ft) 71', 581'
Salt water depths (ft) None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	26'		pulled
8 5/8		1112'	245 sks
4 1/2		4922'	185 sks

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

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4822'-4832'
Gas: Initial open flow 189 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 978 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1425 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.

Samuel J. Cann
For: CHESTERFIELD ENERGY CORP.

By: [Signature]
Date: July 27, 1990

SEP 24 1990

Frac Information:

Benson - 15 Holes
8,000# 80/100
45,000 20/40
309 BBLs Water
468,000 SCF Nitrogen

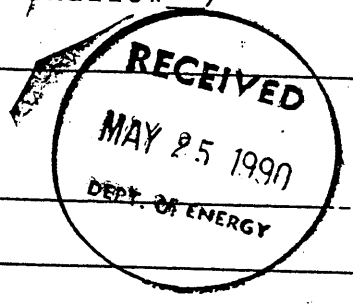
Drilling Information:

Dirt	0	71	Hole wet @ 71'
Sand & Shale	71	444	1/4" stream water @ 581'
Red Rock & Shale	444	818	
Sand & Shale	818	1265	
Sand	1265	1814	
Big Lime	1814	1896	
Injun	1896	2038	
Sand & Shale	2038	2304	Gas Ck @ 1794' No Show
Weir	2304	2356	Gas Ck @ 2349' 20/10-2" w/w
Sand & Shale	2356	2820	Gas Ck @ 4199' 10/10-2" w/w
Gordon	2820	2830	Gas Ck @ 4881' 20/10-2" w/w
Shale	2830	3400	
Balltown	3400	3460	
Sahle	3460	4822	
Benson	4822	4832	
Shale	4832	5004	
TD	5004		

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

Expires 05/29/90

- 1) Well Operator: ¹⁶³ CHESTERFIELD ENERGY CORPORATION 9550 (4) 538
- 2) Operator's Well Number: GEIGEL WELL NO. 2 3) Elevation: 938'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Benson 435
- 6) Proposed Total Depth: 4950 feet
- 7) Approximate fresh water strata depths: 210' 80'
- 8) Approximate salt water depths: 1077' N/A
- 9) Approximate coal seam depths: OK N/A
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)



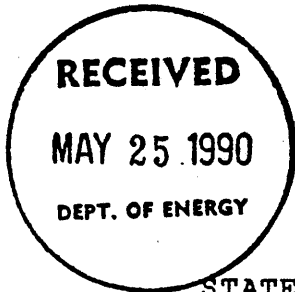
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11-3/4"			30'	0'	0 Sacks
Fresh Water	8-5/8"			1200'	1200'	By Rule 38 CSR 18-11.3
Coal						30 CSR 18-11.3
Intermediate						
Production	4-1/2"			4950'	4950'	By Rule 38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

9310
13
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Competitive Agent
 (Type)



1) Date: April 20th, 1990
2) Operator's well number GEIGEL WELL NO. 2
3) API Well No: 47 - 095 - 1391
State - County - Permit

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 Naomi Geigel, widow
Address 194 Hall Drive
Wadsworth, Ohio 44281
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name N/A
Address _____
Name _____
Address _____

6) Inspector Glen P. Robinson
Address Rt 1, #6 Mt. Pleasant Est.
Mineral Wells, WV 26150
Telephone (304)-489-9162

(c) Coal Lessee with Declaration
Name N/A
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
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:

- _____ 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: _____
Its: Vice President of Land & Contracts
Address 203 West Main Street
Clarksburg, WV 26301
Telephone 623 - 5467

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

Lorena Johnson Notary Public
My commission expires 12/31/97