

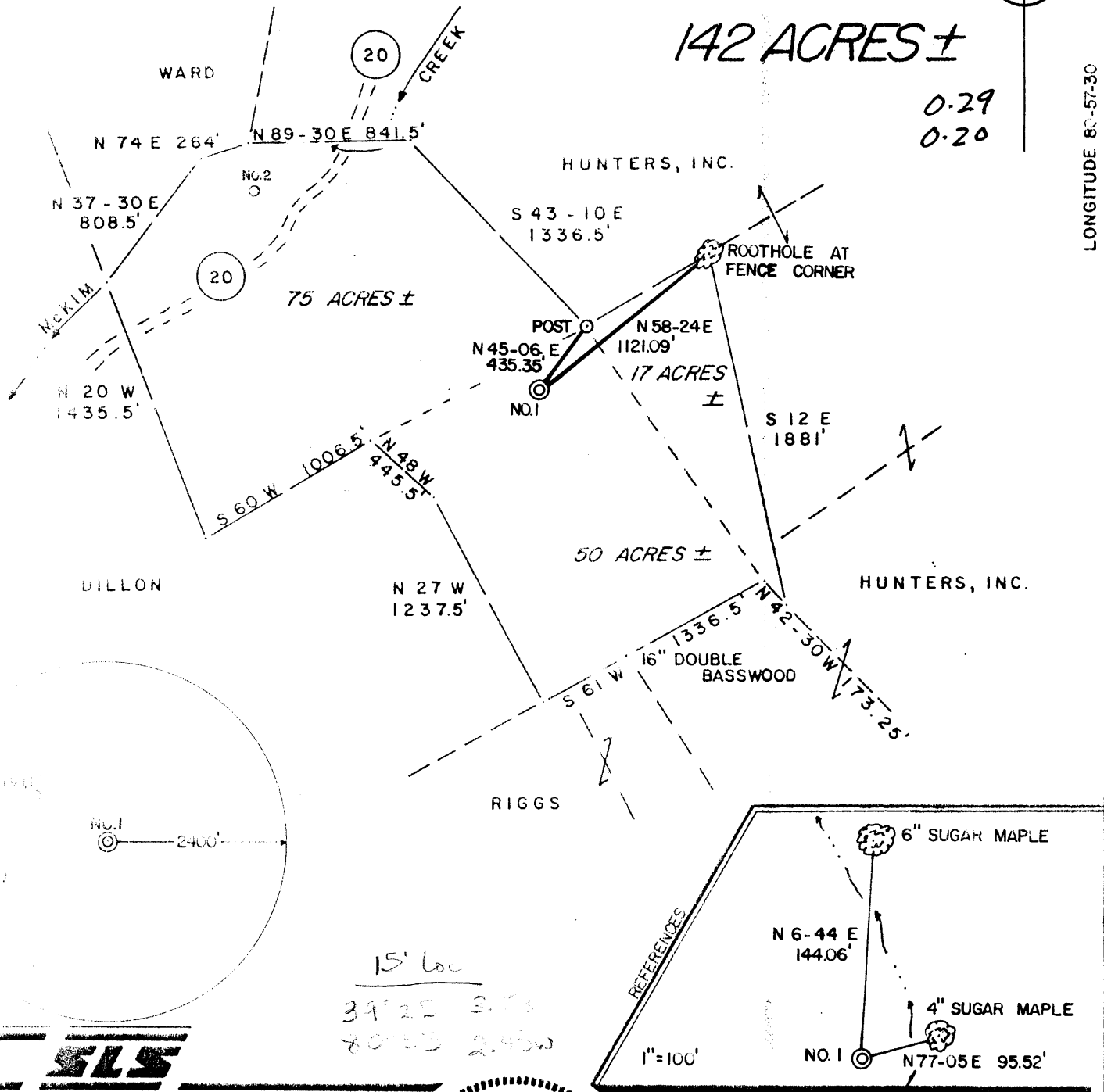
Janie 3/5/90

HILL LEASE

HILL WELL NO. 1

LATITUDE 39-22-30

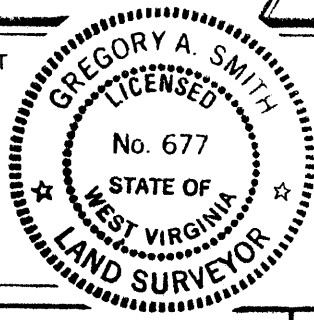
1100-



LONGITUDE 80-57-30

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.

By: Gregory A. Smith



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

DATE FEBRUARY 27, 19 90

OPERATORS' WELL NO. HILL NO. 1

API WELL NO. 47 - 095 - 1374

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2202 (13-15)

PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEV. 812' SCALE 1"=800'

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 895' WATERSHED McKIM CREEK DISTRICT MEADE 4 COUNTY TYLER QUADRANGLE PENNSBORO 75'

SURFACE OWNER PALMER HILL ET. UX. ACREAGE 50

LESSOR OWNER PALMER HILL ET. UX. LEASE ACREAGE 50 OF 142 LEASE NO. _____

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 5300'

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

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

163 MAR 12 1990

6-6 Shiloh-Wick (086)

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

Well Operator's Report of Well Work

Farm name: HILL, PALMER ETUX. Operator Well No.: HILL #1

LOCATION: Elevation: 895.00 Quadrangle: PENNSBORO

District: MEADE County: TYLER
Latitude: 1610 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 1100 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: 03/06/90
Well work Commenced: 4/20/90
Well work Completed: 4/27/90

Verbal Plugging
Permission granted on: _____
Rotary XX Cable _____ Rig
Total Depth (feet) 5018'
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	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11 3/4		36'	
8 5/8		1161'	300sks
4 1/2		4996'	200sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) _____
Gas: Initial open flow 60 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 400 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 825 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.

MAY 3 1 90
Division of Energy
Oil and Gas Section

For: CHESTERFIELD ENERGY CORP. JUN 4 1990
By: Samuel J. Cann
Date: May 18, 1990

Benson: 75 quality Foam Frac
8,000# 80/100 Sand
45,000 20/40 Sand
650,000 SCF Nitrogen

Drilling Info:

Big Lime	1770	1850		
Injun	1850	2000		
Sand and Shale	2000	2220		
Weir	2220	2270		
Shale and Sand	2270	2770		
Gordon	2770	2725		
Shale and Sand	2785	3326		
Balltown	3326	3364	Gas Ck @ 1851'	No Show
Shale	3364	4434	Gas Ck @ 2821'	2/10-2" w/w
Riley	4435	4466	Gas Ck @ 4415'	2/10-2" w/w
Shale	4466	4790	Gas Ck @ 5035'	2/10-2" w/w
Benson	4790	4800		
Shale	4800	5018		
TD	5018			

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

163

- 1) Well Operator: CHESTERFIELD ENERGY CORP. 9550 (14) 535
- 2) Operator's Well Number: HILL NO. 1 3) Elevation: 895'
- 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: 5300' feet
- 7) Approximate fresh water strata depths: 30' / 195' / 115'
- 8) Approximate salt water depths: N/A ? / 1723'
- 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 Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
HP 2/28/90 Conductor	11 3/4			30'	0'	0
Fresh Water	8 5/8			1000'	1000' <i>CS</i>	BY RULE 38 CSR 18-11.3
Coal						
Intermediate						
Production	4 1/2			5300'	5300'	BY RULE 38 CSR 18-11.1
Tubing						
Liners						

10.282

RECEIVED
 MAR 05 1990

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

9153
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Surety Agent
 (Type)

RECEIVED
MAR 05 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

- 1) Date: FEBRUARY 26, 1990
- 2) Operator's well number
HILL NO. 1
- 3) API Well No: 47 - 095 - 1374
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 PALMER HILL etux.
Address P.O. BOX 545
PENNSBORO, WV 26415
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name N/A
Address _____
 - (b) Coal Owner(s) with Declaration
Name N/A
Address _____
 - (c) Coal Lessee with Declaration
Name N/A
Address _____
- 6) Inspector GLEN P. ROBINSON
Address RT. 1 #6 MT. PLEASANT ESTATE
MINERALWELLS, WV 26150
Telephone (304)- 489-2736

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 CORP.
By: _____
Its: VICE PRESIDENT OF LAND & CONTRACTS
Address 203 WEST MAIN STREET
CLARKSBURG, WV 26301
Telephone 623-5467

Subscribed and sworn before me this 27th day of FEBRUARY, 1990

B. Hildebrand Notary Public
My commission expires June 14, 1994