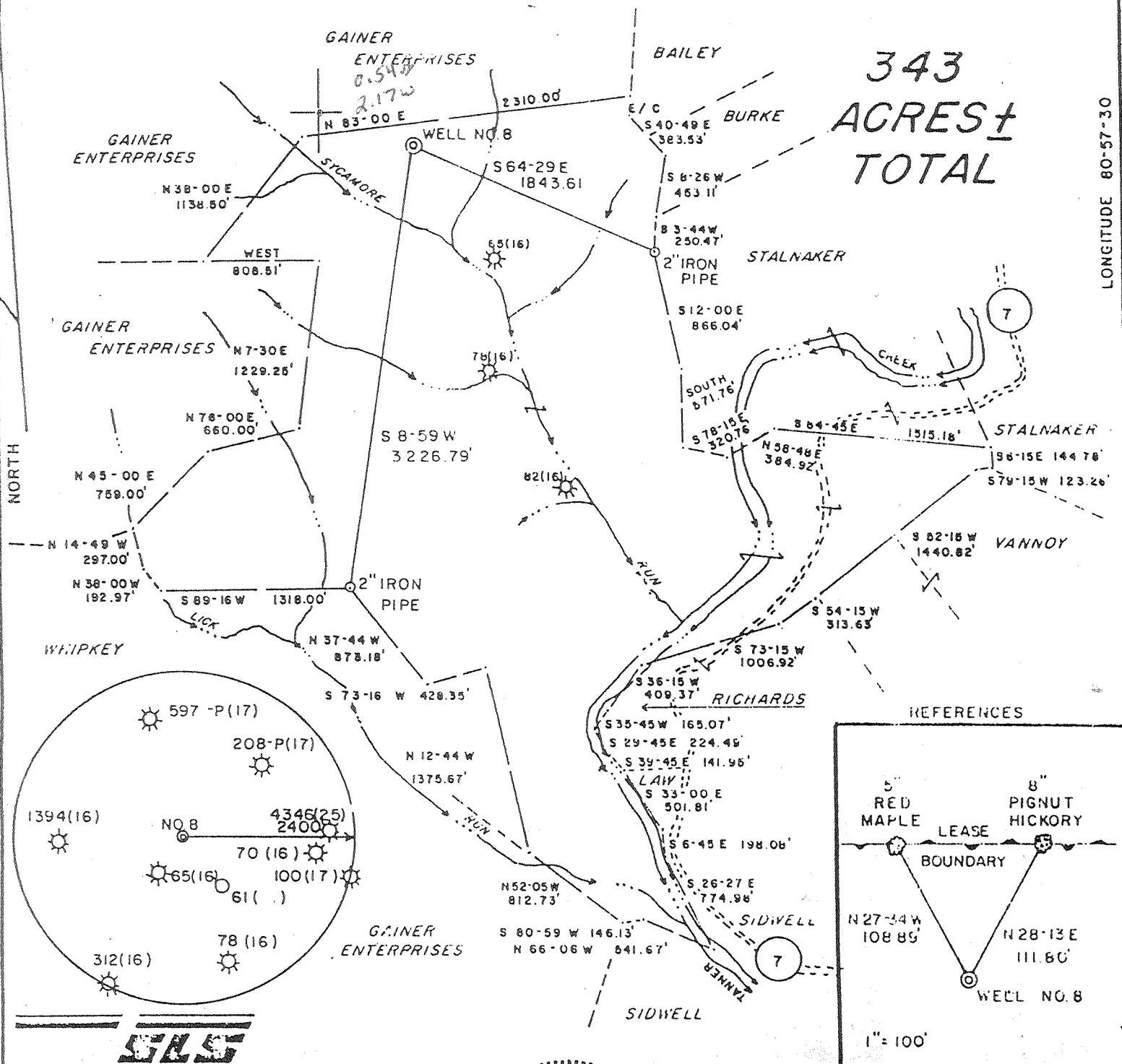


GAINER LEASE

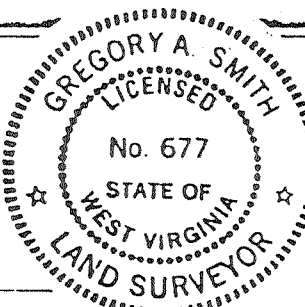
WELL NO. 8

343 ACRES ± TOTAL



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 MARCH 20, 19 88
 OPERATORS WELL NO. LOYD GAINER NO. 8
 API WELL NO. 47 021 4919
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO 1792 (24-28)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1071' SCALE 1"=1000'

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 964' WATERSHED SYCAMORE RUN
 DISTRICT DEKALB COUNTY GILMER QUADRANGLE TANNER 7.5'
 SURFACE OWNER GAINER ENTERPRISES, INC. ACREAGE 343 OF 1031
 ROYALTY OWNER GAINER ENTERPRISES, INC. et al LEASE ACREAGE 343
 PROPOSED WORK: LEASE NO. _____
 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 MARCELLUS
 ESTIMATED DEPTH 5950'

WELL OPERATOR ANGERMAN ASSOCIATES, INC. DESIGNATED AGENT WILLIS J. MAXWELL
 ADDRESS 109 ZETA DRIVE PITTSBURGH, PA 15238 ADDRESS RT 65 BOX 7 GLENVILLE, WV 26351
DEEP WELL

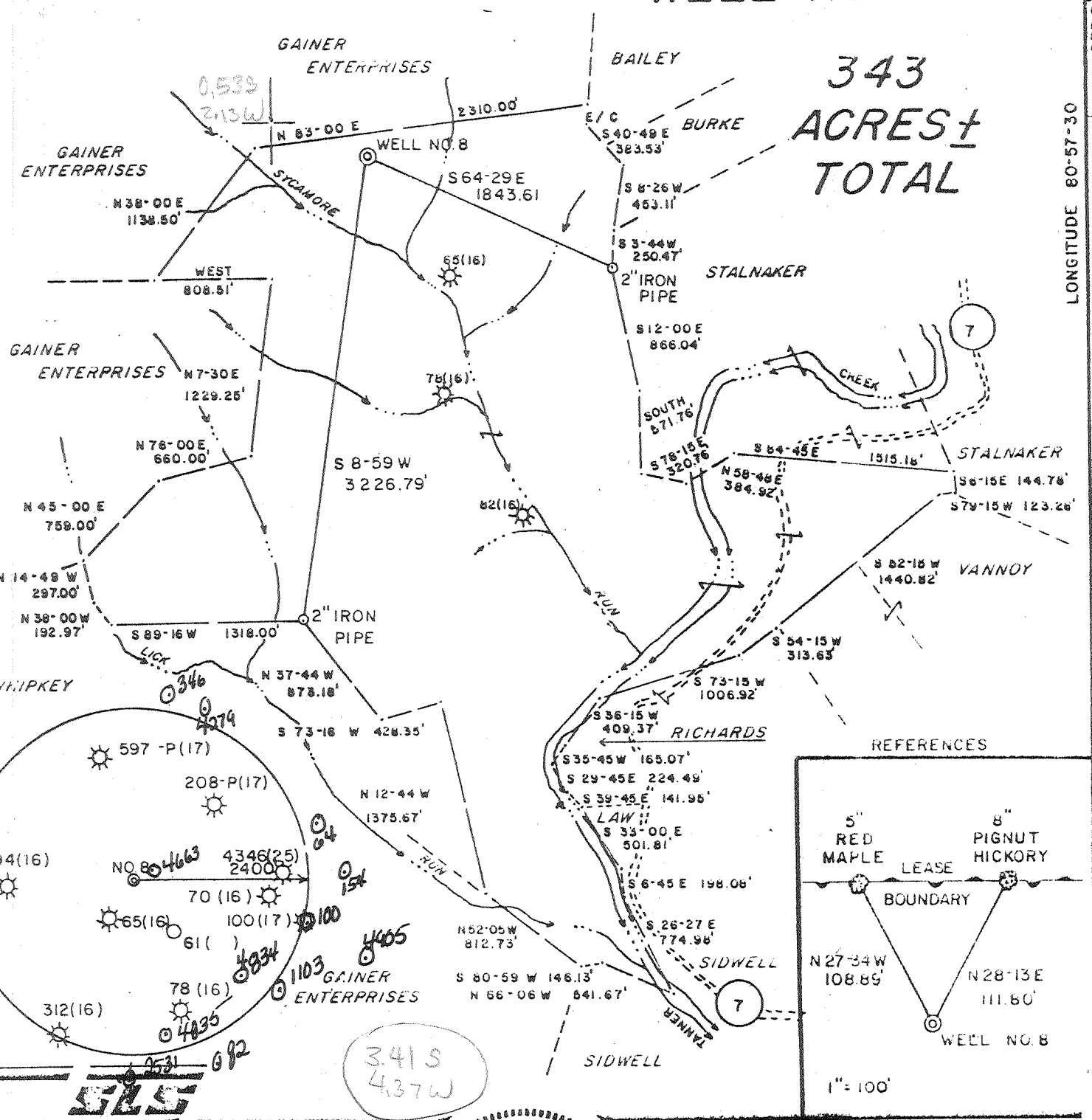
0672
LONGITUDE 80-57-30
COUNTY NAME
PERMIT

11/19/90
GAINER LEASE

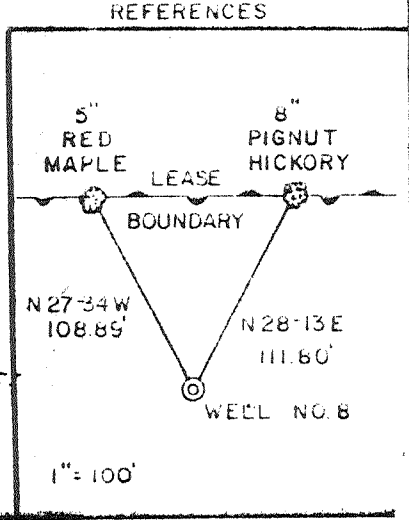
LATITUDE 38-57-30

WELL NO. 8

343
ACRES ±
TOTAL

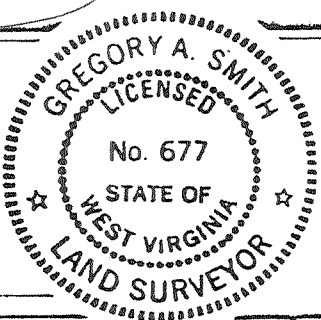


LONGITUDE 80-57-30



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.

S. Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE MARCH 20, 1988
OPERATORS WELL NO. LOYD GAINER NO. 8
API WELL NO. 47 - 021 - 4919
STATE COUNTY PERMIT

MINIMUM DEGREE ACCURACY 1 / 200
FILE NO. 1792 (24-28)
SCALE 1"=1000'
ELEVATION TOP OF KNOB ELEV. 1071'

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
ELEVATION 964' WATERSHED SYCAMORE RUN Glenville NW
DISTRICT DEKALB COUNTY GILMER QUADRANGLE TANNER 75'
FACE OWNER GAINER ENTERPRISES, INC. ACREAGE 343 OF 1031
PROPERTY OWNER GAINER ENTERPRISES, INC. et al LEASE ACREAGE 343
PROPOSED WORK: LEASE NO.
ALL 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 MARCELLUS
ESTIMATED DEPTH 5950'

OPERATOR ANGERMAN ASSOCIATES, INC. DESIGNATED AGENT WILLIS J. MAXWELL
ADDRESS 109 ZETA DRIVE PITTSBURGH, PA 15238 ADDRESS RT. 65 BOX 7 GLENVILLE, WV 26351
DEEP WELL h-6 DeKalb (179)

COUNTY NAME PERMIT

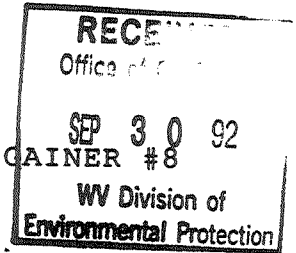
State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: GAINER ENTERPRISES, INC. Operator Well No.: GAINER #8

LOCATION: Elevation: 964.00 Quadrangle: TANNER

District: DEKALB County: GILMER
Latitude: 2790 Feet South of 38 Deg. 57Min. 30 Sec.
Longitude 11270 Feet West of 80 Deg. 57 Min. 30 Sec.



Company: ANGERMAN ASSOC., INC.
109 ZETA DRIVE
PITTSBURGH, PA 15238-0000

Agent: WILLIS J. MAXWELL

Inspector: CRAIG DUCKWORTH
Permit Issued: 11/21/90
Well work Commenced: 6/1/92
Well work Completed: 6/8/92

Verbal Plugging
Permission granted on:
Rotary X Cable _____ Rig
Total Depth (feet) 6156' LTD
Fresh water depths (ft) 1/2" @ 94'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	15'	----	
8-5/8"	1257.25'	1257.25'	Cmt. to surface w/350 sks reg. Port and 1850 ft. ³
4-1/2"	6159.45'	6159.45'	50/50 Pozmix
1-1/2"	5985.00'	5985.00'	

OPEN FLOW DATA

Producing formation Balltown through Black Shales Pay zone depth (ft) 4029' KB to 6089' KB
Gas: Initial open flow 33 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 473 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1290 psig (surface pressure) after 72 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.

Reviewed TMB
Recorded _____

For: ANGERMAN ASSOC., INC.
By: Arthur E. Yingling, Executive Vice President
Date: September 22, 1992

OCT 20 1992

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

Well Operator's Report of Well Work

Farm Name: Gainer Enterprises, Inc. Operator Well No.: Gainer #8
Permit No.: 47-021-04919

Details of Perforated Intervals, fracturing or stimulating, physical change, etc.

<u>Formation</u>	<u>Perforations</u>	<u>Treatment</u>		<u>Slurry</u> Rate bpm	<u>Wlhd</u> Pressure psig
		<u>20/40</u> Sand Pounds	<u>Volume Foam</u> Bbl. 20# gel		
Deep Shales	5071½-6089 (17)	30,000	457	8.6	3300
Alexander	4919-4945 (11)	35,000	357	8.8	2827
Benson-Riley	4231-4692 (12)	30,000	368	8.7	2310
		5,000	(80/100)		
Balltown	4029-4035 (10)	20,000	259	8.8	1917

Well Log

<u>Formation Coal Hard or Soft</u>	<u>Top Feet</u>	<u>Bottom Feet</u>	<u>Remarks (Including indication of all fresh and salt water, coal, oil and gas)</u>
Sandy Shale & RR	10	49	Damp-¼" @ 94'
Sand	49	86	
Shale & RR	86	94	
Sand	94	146	
Sand, Shale & RR	146	325	
Sand	325	340	
Sand & Shale	340	425	
RR & Sandy Shale	425	722	
Coal	722	729	
Sandy Shale	729	1547	
Sand	1547	1605	
Shale	1605	1701	Damp @ 1624'
Sand	1701	1729	
Shale	1729	1775	
Sand & Shale	1775	1800	
Shale & Sand	1800	1855	
Little Lime	1855	1880	Ck. gas @ 1873' 8/10 - 1/2 w/w
Shale	1880	1892	
Big Lime	1892	1952	
Injun	1952	2027	
Sandy Shale	2027	2405	Ck. Gas @ 2031' 5/10 - 1/2 w/w
Weir	2405	2435	
Sand & Shale	2435	2955	Ck. Gas @ 2556' - no show

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

Well Operator's Report of Well Work

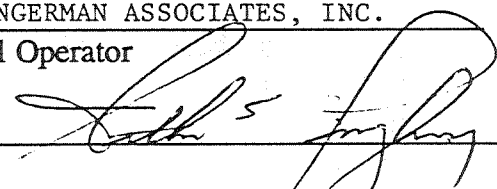
Farm Name: Gainer Enterprises, Inc. Operator Well No.: Gainer #8
Permit No.: 47-021-04919

Stray Sand	2955	3035	
Sandy Shale	3035	3285	Ck. gas @ 3050' 20/10 - 1/2" w/w
Speechley	3285	3328	
Sandy Shale	3328	4050	Ck. gas @ 3857' 20/10 - 1/2" w/w
Balltown	4050	4080	
Sand & Shale	4080	4885	Ck. gas @ 4385' 10/10 - 1/2" w/w
Alexander	4885	4925	Ck. gas @ 4877' 10/10 - 1/2" w/w
Sandy Shale	4925	5900	Ck. gas @ 5287' 40/10 - 1" w/w
Shale	5900	6180	Ck. gas @ 5784' 10/10 - 1" w/w
Mercellus	6180	6210	Ck. gas @ 6230' 28/10 - 1/2" w/w
Lime	6210	6230	DTD

(Attach separate sheets as necessary)

ANGERMAN ASSOCIATES, INC.

Well Operator

By: 

Date: September 22, 1992