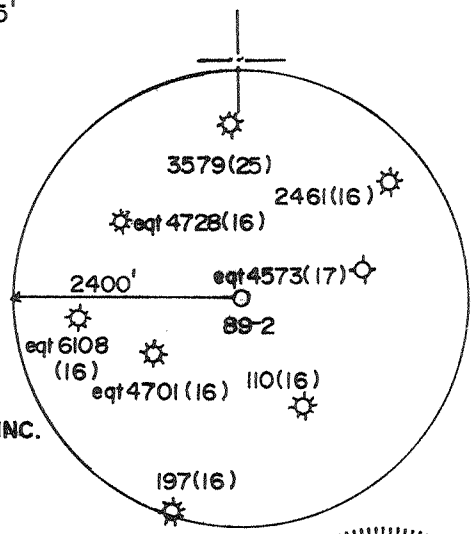
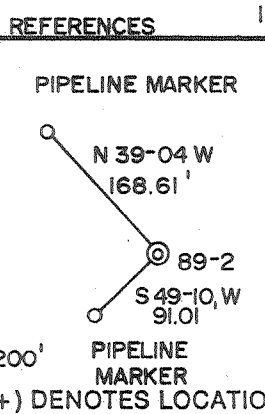
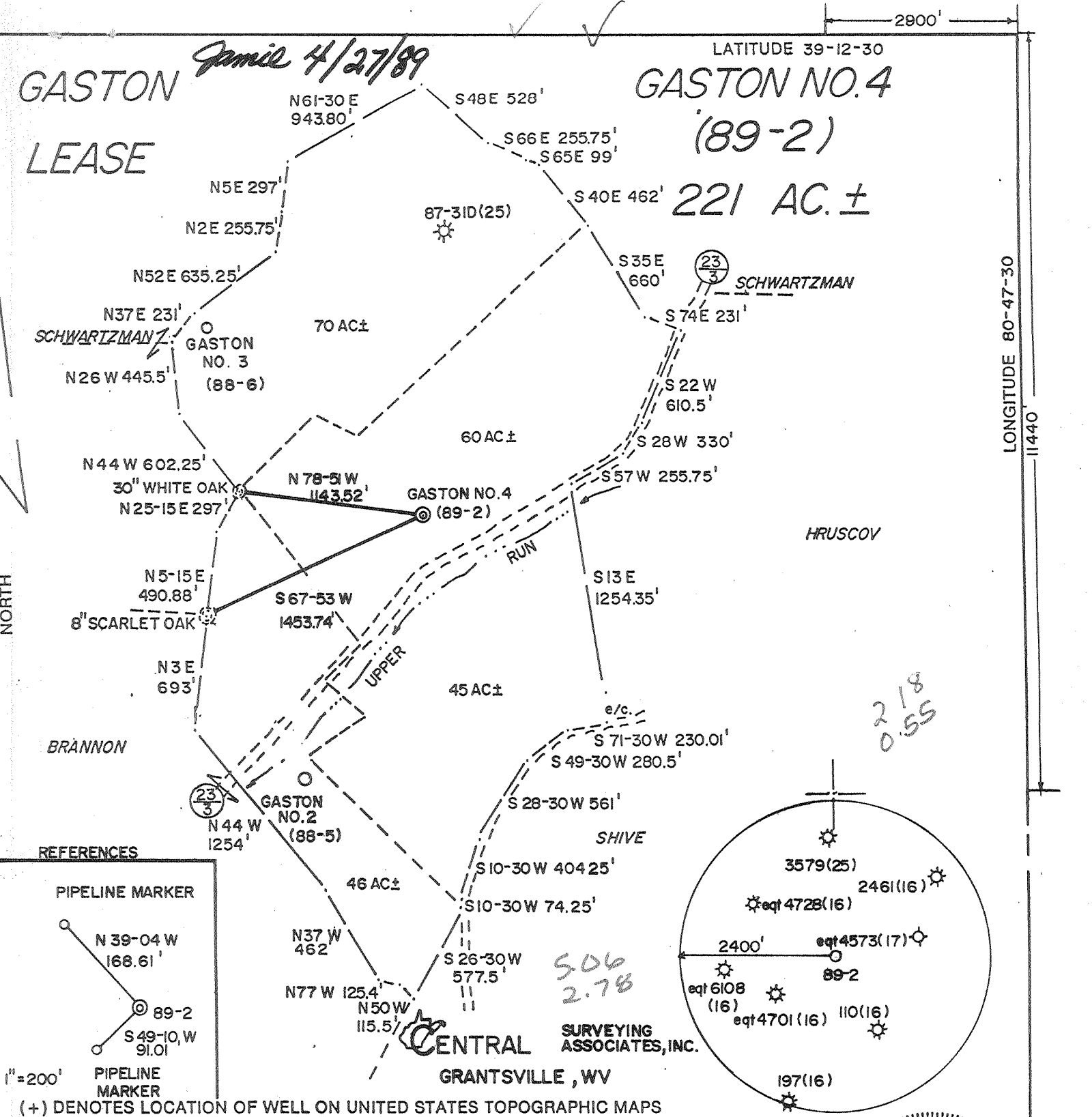


GASTON LEASE *Jamie 4/27/89*

GASTON NO. 4 (89-2) 221 AC. ±



FILE NO. (2-17) 31

DRAWING NO. _____

SCALE 1" = 800'

MINIMUM DEGREE OF ACCURACY 1/200'

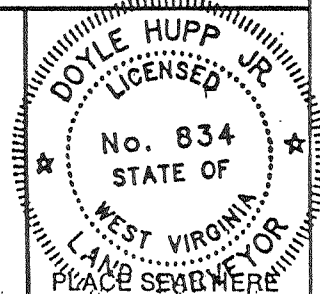
PROVEN SOURCE OF ELEVATION TOP OF KNOB

ELEV. 1308'

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.

(SIGNED) Doyle Hupp Jr.

R.P.E. _____ L.L.S. 834



STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

DATE JUNE 22, 19 88

OPERATOR'S WELL NO. GASTON NO. 4 (89-2)

API WELL NO. 47 017 3717-Frac.

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___

(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION 985' WATERSHED UPPER RUN

DISTRICT SOUTHWEST COUNTY DODDRIDGE

QUADRANGLE OXFORD 7.5' Hollbrook (NE)

SURFACE OWNER LOWNDES BANK et al. ACREAGE 60

OIL & GAS ROYALTY OWNER ELL ENE CAILOR et al. LEASE ACREAGE 221

LEASE NO. _____

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5200'

WELL OPERATOR TERM ENERGY CORP. DESIGNATED AGENT KATHY JARVIS

ADDRESS 110 N. SPRING ST. HARRISVILLE, WV 26362 ADDRESS 110 N. SPRING ST. HARRISVILLE, WV 26362

007 - 0 3982

Owwo - 6-6 Straight Fork - Bluestone Creek (133)

LONGITUDE 80-47-30 11440

DODD 3717

COLLITY NAME PERMIT

GASTON LEASE

Jamie 4/27/89

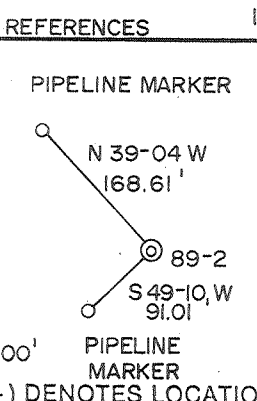
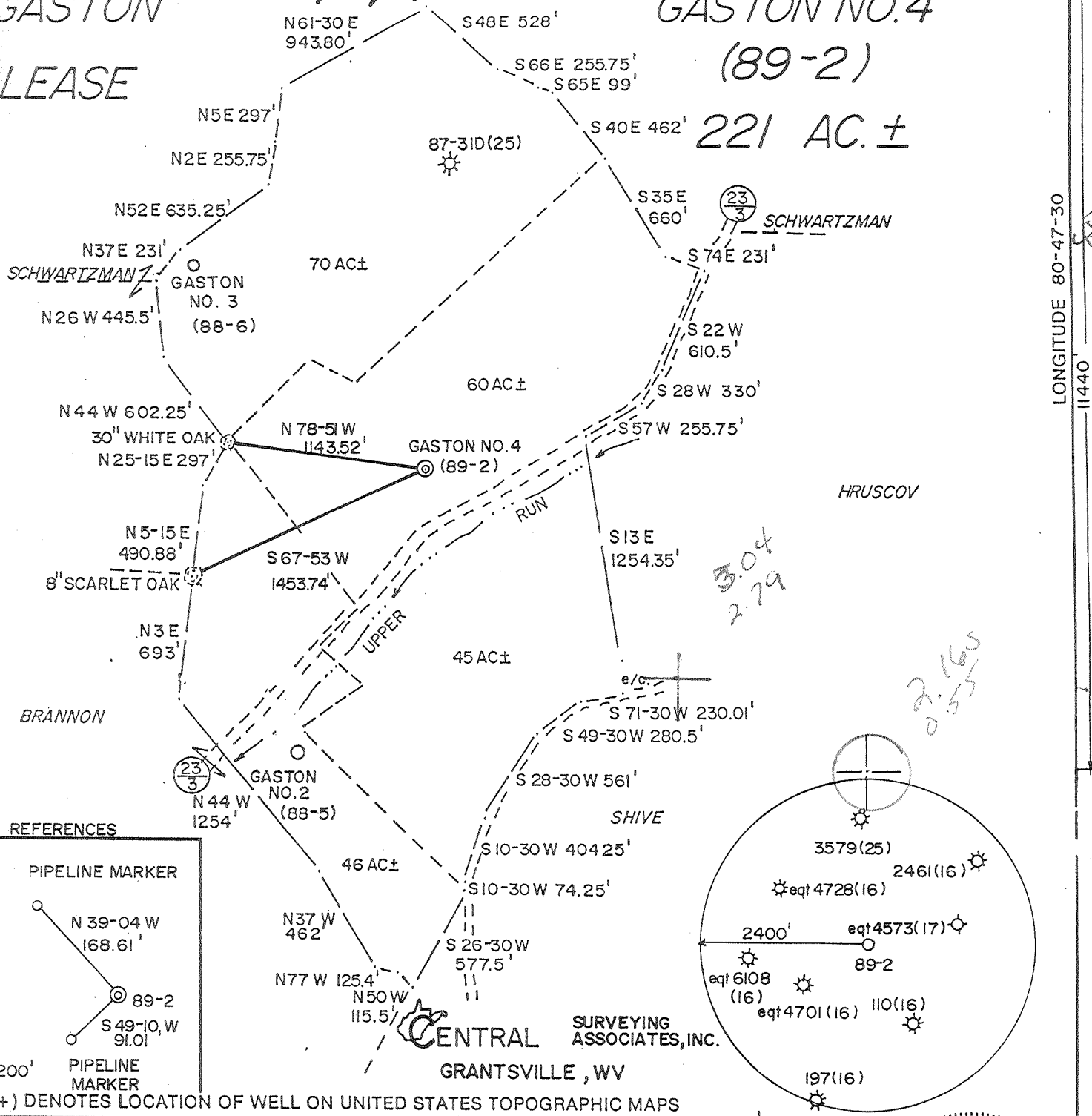
GASTON NO. 4
(89-2)
221 AC. ±

LATITUDE 39-12-30

2900'

LONGITUDE 80-47-30

NORTH



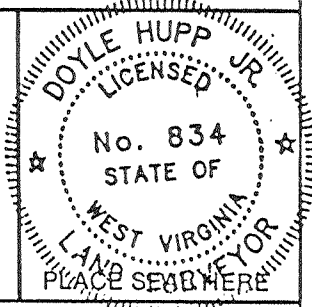
CENTRAL SURVEYING ASSOCIATES, INC.
GRANTSVILLE, WV

*3.04
2.79*

*2.165
0.555*

FILE NO. (2-17) 31
DRAWING NO. _____
SCALE 1" = 800'
MINIMUM DEGREE OF ACCURACY 1/200'
PROVEN SOURCE OF ELEVATION TOP OF KNOB
ELEV. 1308'

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.
(SIGNED) Doyle Hupp Jr.
R.P.E. _____ L.L.S. 834



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

DATE JUNE 22, 19 88
OPERATOR'S WELL NO. GASTON NO. 4 (89-2)
API WELL NO. 47 017 3717
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 985' WATER SHED UPPER RUN
DISTRICT SOUTHWEST 7 COUNTY DODDRIDGE
QUADRANGLE OXFORD 7.5 528 0583 Holbrook NE

SURFACE OWNER LOWNDES BANK et.al. ACREAGE 60
OIL & GAS ROYALTY OWNER ELLEN E. CAILOR et.al. LEASE ACREAGE 221
LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5200'
WELL OPERATOR TERM ENERGY CORP. DESIGNATED AGENT KATHY JARVIS
ADDRESS 110 N. SPRING ST. HARRISVILLE, WV 26362 ADDRESS 110 N. SPRING ST. HARRISVILLE, WV 26362

886
6-6 Straight Fork-Bluestone Creek (133)

COUNTY NAME PERMIT

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

Reviewed TMG
Recorded CH

Well Operator's Report of Well Work

Farm name: HART, RONALD & SAM JAMES Operator Well No.: GASTON 4

LOCATION: Elevation: 985.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 11440 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 2900 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: TERM ENERGY CORP.
713 EAST MAIN STREET
HARRISVILLE, WV 26362-0000

Agent: JEAN FREELAND

Inspector: MIKE UNDERWOOD
Permit Issued: 10/23/92
Well work Commenced: 10/19/92 verbal
Well work Completed: 10/19/92 permission

Verbal Plugging

Permission granted on: _____

Rotary N/A Cable _____ Rig _____

Total Depth (feet) N/A

Fresh water depths (ft) 110'

330'

Salt water depths (ft) None

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"	25'	0	
8 5/8"	1101'	1101'	289.1
4 1/2"	5010'	5010'	896

OPEN FLOW DATA

Producing formation Alexander/Benson/Benson Stray Pay zone depth (ft) 4536 - 4958

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 100 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure 400 psig (surface pressure) after 24 Hours

Comingled Production

Second producing formation Bradford & Gordon Pay zone depth (ft) 2377 - 4206

Gas: Initial open flow N/A MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 200 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 30 Hours

Static rock Pressure 510 psig (surface pressure) after 24 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

Environmental Protection

DEC 0 8 92

Permitting
Office of Oil & Gas

For: Term Energy Corp
TERM ENERGY CORP

By: Jean Freeland
Date: 11/13/92

GASTON #4

10/19/92

PERFORATED GORDON 2377-2381; 7 HOLES .39
BRADFORD 4191-4206; 14 HOLES .39

SET SMALL MOUTH PLUG AT 4212' AND FRAC BRADFORD

SET WIDE MOUTH PLUG AT 2382' AND FRAC GORDON

TWO STAGE ENGERGIZED WATER FRAC

- BRADFORD: MAX TR PRESS 4000; AVG RATE 24.5; AVG PRESS 3468; 20,700# 20/40; 5,000# 80/100; MAX CONC 2.5; TOTAL ACID 500 GAL; ISIP 4000; TOTAL NITROGEN 54,000 SCF; TOTAL FLUIDS 350 BBLs.
- GORDON: MAX TR PRESS 4000; AVG RATE 12.7; AVG PRESS 3690; 25,000# 20/40; 5,000# 80/100; MAX CONC 2.5; TOTAL ACID 500 GAL; ISIP 2028; 5 MIN SIP 1719; TOTAL NITROGEN 63,000 SCF; TOTAL FLUIDS 421 BBLs.

TO 5059

DF 424
DPT 439

RECEIVED

WV Division of
Environmental Protection

DEC 0 8 92

Permitting
Office of Oil & Gas

14371

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

Well Operator's Report of Well Work

Farm name: LOWNDES BANK ETAL. Operator Well No.: GASTON 4

LOCATION: 8 Elevation: 985.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 11440 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude: 2900 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: TERM ENERGY CORP.
110 N. SPRING ST.
HARRISVILLE, WV 26362-0000

Agent: JEAN FREELAND

Inspector: MIKE UNDERWOOD
Permit Issued: 05/03/89
Well work Commenced: 05/09/89
Well work Completed: 05/18/89
Verbal Plugging _____
Permission granted on: _____
Rotary x Cable _____ Rig _____
Total Depth (feet) 5059
Fresh water depths (ft) 110'
330'
Salt water depths (ft) none

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"	25'	0	
8 5/8"	1101'	1101'	289.1
4 1/2"	5010'	5010'	896

RECEIVED
MAY 22 1989

OPEN FLOW DATA

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Producing formation Alexander Pay zone depth (ft) 4900-4958
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 800 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 1550 psig (surface pressure) after 24 Hours
 Co-mingled Production Benson Stray
 Second producing formation Benson Riley Pay zone depth (ft) 4193-4620
 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.

For: TERM ENERGY CORP.

By: Jean Freeland
Date: 5-18-89

MAY 26 1989

5/18/89 Perforated Alexander 4900-4958; 18 holes .39
 Benson 4616-4620; 5 holes .39
 Benson Stray 4536-4540; 5 holes .39
 Riley 4193-4206; 3 holes .39

Bradford?

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 MAY 22 1989

2 stage frac -

1st stage Nitrogen Foam 70 Quality
 2nd stage Energized Water Frac

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

- Alexander; max TR Press 3350, Avg rate 28.5, Avg Press 3250
 45000# 20/40, 5000# 80/100, max conc, 4, total acid 500 gal,
 ISIP 1290, 5 min SIP 1130, Total Nitrogen 335,700 scf, Total
 fluids 306 BBLs.

- Benson, Benson Stray and Riley; Max TR Press 3340, Avg rate 27.9
 Avg Press 2770, 40,000# 20/40, 10,000# 80/100, max conc. 4, Total
 acid 500 gal, ISIP 1200, 5 min SIP 1000, Total Nitrogen 41,000
 scf, Total fluid 590 BBLs.

<u>WELL LOG</u>	<u>TOP</u>	<u>BOTTOM</u>	Water
Sand, Shale, RR	0	1660	110' - 1" stream
Big Lime	1660	1738	330' - 2" stream
Big Injun	1738	1810	
Sand & Shale	1810	5059	

<u>GEOPHYSICAL LOG</u>	<u>TOP</u>	<u>BOTTOM</u>
Big Lime	1645	1719
Big Injun	1719	1796
Weir	1948	2066
Berea	2148	2152
Gordon	2377	2381
Warren	3021	3155
Balltown	3749	3841
Riley <i>Bradford?</i>	4187	4237
Benson Stray	4530	4545
Benson	4615	4621
Leopold	4768	4771
Alexander	4862	4963

MAY 26 1989

8751

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

- 1) Well Operator: TERM Energy Corp. 49105, 7, 525
- 2) Operator's Well Number: Gaston #4 3) Elevation: 985'
- 4) Well type: (a) Oil / or Gas XX /
(b) If Gas: Production XX / Underground Storage /
Deep / Shallow XX /
- 5) Proposed Target Formation(s): Alexander 439
- 6) Proposed Total Depth: 5200 feet
- 7) Approximate fresh water strata depths: 160'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None Possible & depth @ 769'-771'
- 10) Does land contain coal seams tributary to active mine? Yes / No XX /
- 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	J-55	42#	17'	1000'	0
Fresh Water	8 5/8	J-55	20# 23#	1000' 85'	1000' 85'	CTS
Coal						38CSR18-11.3
Intermediate						38CSR18-11.2.2
Production	4 1/2	J-55	10.5# 11.6#	4929' 126'	4929' 126'	250 Cu.Ft.
Tubing						38CSR18-11.1
Liners						

PACKERS : Kind
Sizes
Depths set

RECEIVED
APR 21 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

146
10
11

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

RECEIVED
APR 21 1989

Page 1 of _____
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: April 20, 1989
Operator's well number
Gaston #4
API Well No: 47 - 017 - 3717
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 The Lowndes Bank, Trustee
Address One Lowndes Square
Clarksburg, WV 26301
- (b) Name _____
Address _____
- (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name None
Address _____
- (b) Coal Owner(s) with Declaration
Name _____
Address _____
- Name _____
Address _____
- (c) Coal Lessee with Declaration
Name None
Address _____
- 6) Inspector Mike Underwood
Address Rt. 2 Box 114
Salem, WV 26426
Telephone (304)-782-1043

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
____ 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 ____ on the above named parties, by:
____ Personal Service (Affidavit attached)
X 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 TERM Energy Corp.
By: Jean Freeland
Its: Agent
Address 110 N. Spring Street
Harrisville, WV 26362
Telephone 304-643-4500

Subscribed and sworn before me this 20th day of April, 19 89

Rodney C. Windom
My commission expires June 12, 1994 Notary Public

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

Page 1 of 1
Issued 10/23/92
Expires 10/23/94

- 1) Well Operator: TERM Energy Corporation 49105 (7) 525
- 2) Operator's Well Number: Gaston #4 3) Elevation: 985'
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production x / Underground Storage /
Deep / Shallow X /
- 5) Proposed Target Formation(s): Gordon and Bradford
- 6) Proposed Total Depth: 5059' feet (Actual)
- 7) Approximate fresh water strata depths: 110' and 330' (Actual)
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes / No XX /
- 11) Proposed Well Work: Set Small Mouth Plug, Frac Bradford (4187-4237)
Set Wide moutn Plug, Frac Gordon (2377-2381)
Comingle with lower Production
- 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'	J-55	42#	25'	0	0
Fresh Water	8 5/8	J-55	20# & 23#	1101'	1101'	289.1
Coal						
Intermediate						
Production	4 1/2"	i-55	10.5 & 11.6	5010'	5010'	896 cu ft
Tubing						Fill up to 2000'
Liners						

PACKERS : Kind
 Sizes
 Depths set

For Division of Oil and Gas Use Only

267/34

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

- 1) Date: September 29, 1992
- 2) Operator's well number
Gaston #4
- 3) API Well No: 47 - 017 - 3717 - FRAC
State - County - Permit

OCT 0 2 92
Office

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>Ronald Hart/Samuel James Hart</u>
Address <u>410 Capitol Ave.</u>
<u>Clarksburg, WV 26301</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:
Name <u>None</u>
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration
Name _____
Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u>
Address <u>Rt. 2 Box 135</u>
<u>Salem, WV 26426</u>
Telephone (304)- _____</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
_____ 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 _____ on the above named parties, by:

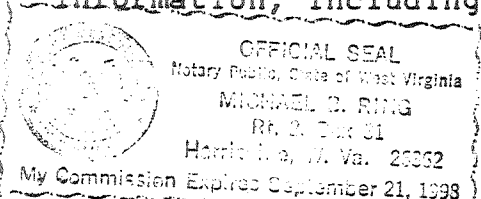
- _____ Personal Service (Affidavit attached)
- XX Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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 TERM Energy Corporation
 By: Jean Freeland *Jean Freeland*
 Its: Designated Agent
 Address 713 E. Main St.
Harrisville, WV 26362
 Telephone (304) 643-4500



Subscribed and sworn before me this 29th day of September, 1992

M. C. Ring

Notary Public

My commission expires September 21, 1998