

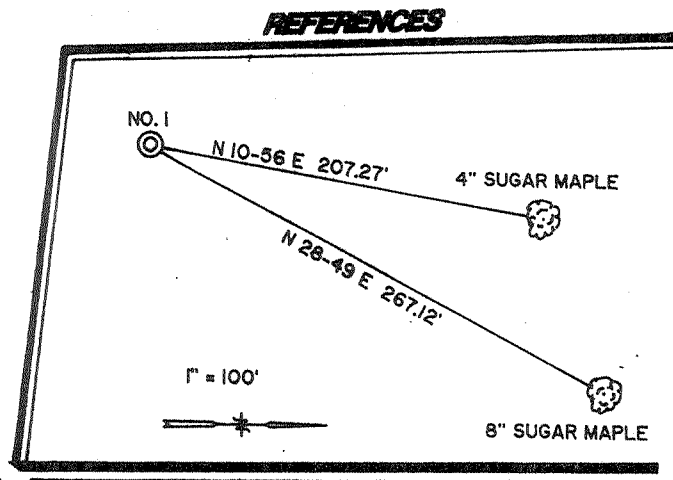
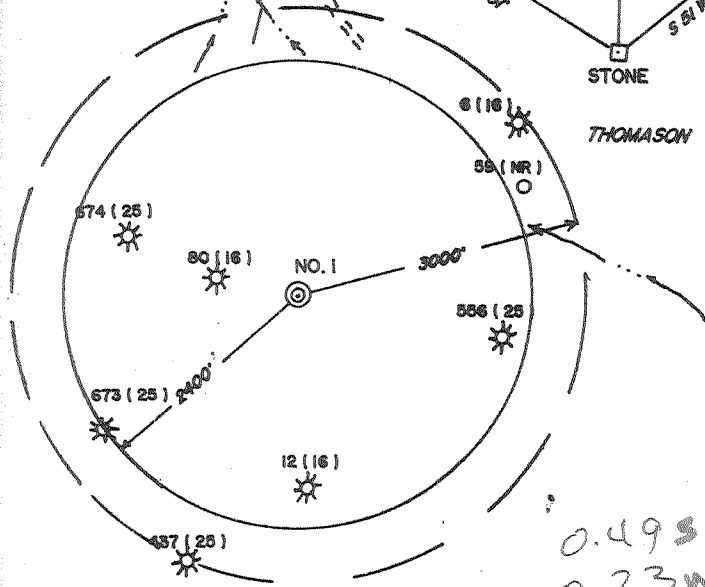
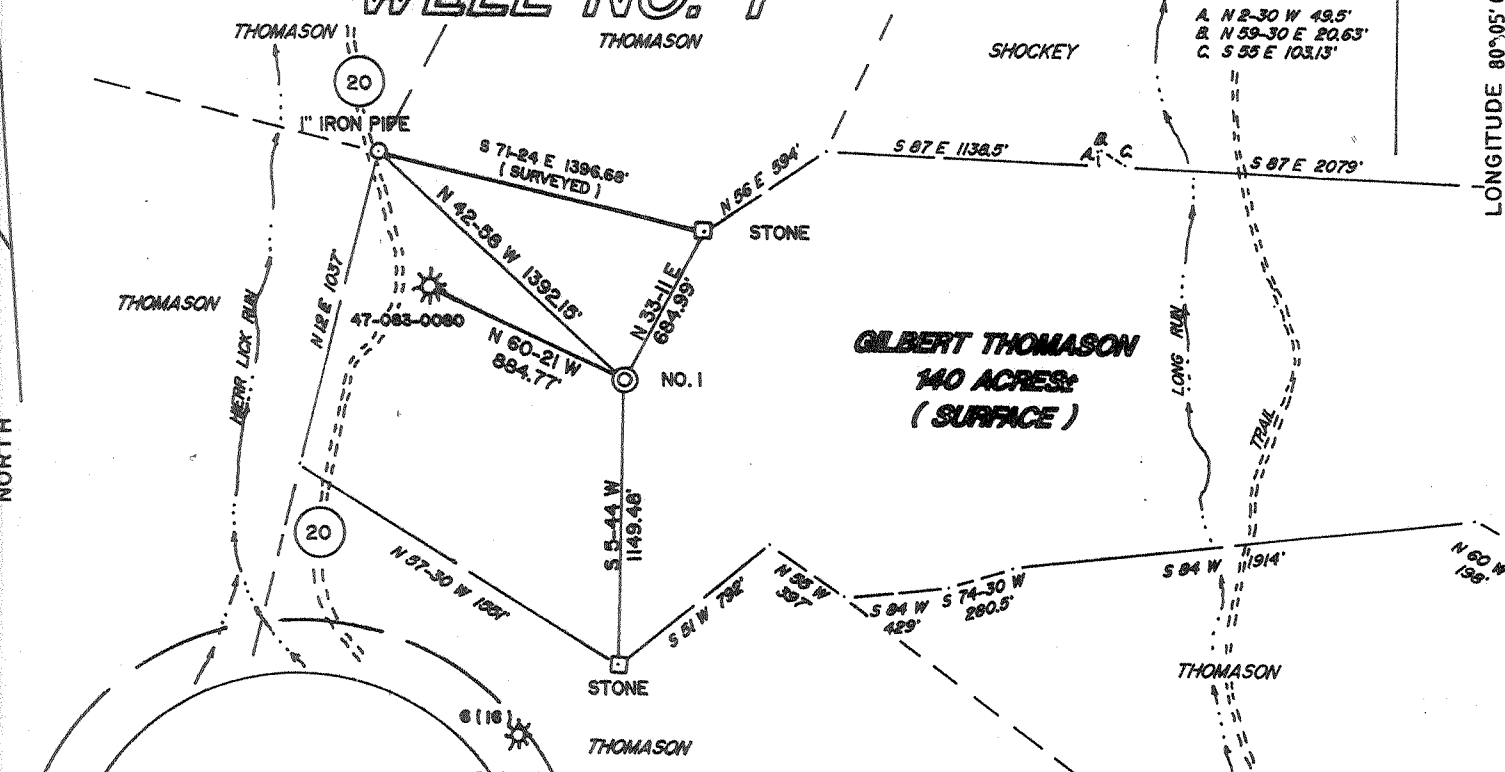
James
1193

G. THOMASON LEASE

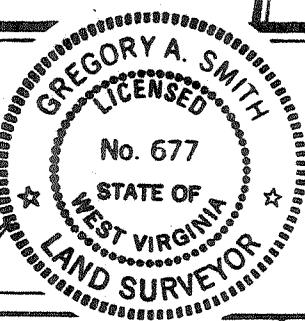
140 ACRES±

WELL NO. 1

0.49S
0.23W



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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE MAY 10, 19 93
 OPERATORS WELL NO. G. THOMASON NO. 1
 API WELL NO. 47 - 083 - 1122
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200
 FILE NO. 3024 (42-56)
 SCALE 1" = 800'
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 2765'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 2710' WATERSHED HIERR LICK RUN OF LONG RUN SAGO (SC)
 DISTRICT MIDDLE FORK 5 COUNTY RANDOLPH QUADRANGLE CASSITY 7.5'
 SURFACE OWNER GILBERT THOMASON ACREAGE 140
 ROYALTY OWNER MICHAEL ROSS LEASE ACREAGE 140
 PROPOSED WORK: LEASE NO. _____
 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 ORISKANY
 ESTIMATED DEPTH 7500'

WELL OPERATOR MIKE ROSS Inc. 4096 DESIGNATED AGENT MIKE ROSS
 ADDRESS BOX 173 COALTON, WV 26257 ADDRESS BOX 173 COALTON, WV 26257
 DEEP WELL 6-6 Cassity (295)

COUNTY NAME PERMIT

RECEIVED

WV Division of Environmental Protection

FORM WW-2B

MAY 26 93

083-1122
Issued 06/08/93

Expires 06/08/95 Page 1 of 1

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
Permitting Office of Oil & Gas
WELL WORK PERMIT APPLICATION

- 1) Well Operator: MIKE ROSS INC. 43225 (B) 282
- 2) Operator's Well Number: G. THOMASON NO. 1 3) Elevation: 2710
- Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- Proposed Target Formation(s): ORISKANY 475
- Proposed Total Depth: 7500 feet
- Approximate fresh water strata depths: 300 ft.
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 250 - Coal mined out
- 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
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4		42	20'		
Fresh Water						
Coal						
Intermediate	8 5/8	ERW	20	1300	1300 (CTS)	38 CSR 18-11.3 38 CSR 18-11.2.2
Production	5 1/2		10.5		7400	38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

1927/10

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

Stamp: MAY 26 1993
Office of Oil & Gas

- 1) Date: May 12, 1993
- 2) Operator's well number G. THOMASON NO. 1
- 3) API Well No: 47 - 083 - 1122
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 Gilbert Thomason
Address Route 2, Box 92
Tallmansville, WV 26237
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector Phillip Tracy
Address Route 2, Box 37-A
Montrose, WV 26283
Telephone (304) - 636-8798

- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name Cannelton Industries Inc.
Address 315 70th St.
Kanawha City, WV 25304
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
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

x 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:

- x 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.

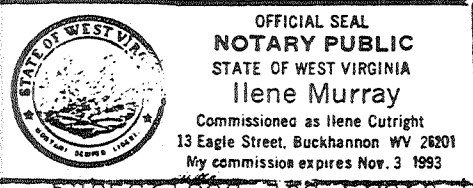
Well Operator MIKE ROSS, INC. DBA ROSS & WHARTON GAS CO.

By: Mike Ross

Its: COB

Address Box 173
Coalton, WV 26257

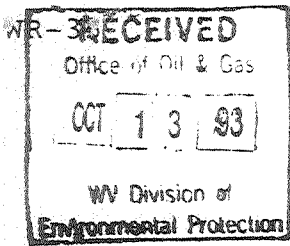
Telephone (304) 472-4289



subscribed and sworn before me this 12th day of May, 1993

Ilene Murray Notary Public

My commission expires November 3, 1993



08-Jun-93
API # 47- 83-01122

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

Well Operator's Report of Well Work

Farm name: THOMASON, GILBERT Operator Well No.: G. THOMASON #1

LOCATION: Elevation: 2,710.00 Quadrangle: CASSITY

District: MIDDLE FORK County: RANDOLPH
Latitude: 2550 Feet South of 38 Deg. 50Min. Sec.
Longitude 1220 Feet West of 80 Deg. 5 Min. Sec.

Company: ROSS & WHARTON GAS CO., I
RT 6, BOX 123
BUCKHANNON, WV 26201-0000

Agent: MIKE ROSS

Inspector: PHILLIP TRACY
Permit Issued: 06/08/93
Well work Commenced: 06/14/93
Well work Completed: 07/12/93

Verbal Plugging
Permission granted on: _____

Rotary Cable _____ Rig

Total Depth (feet) 8026

Fresh water depths (ft) _____

1/2" @ 50' & 147'

Salt water depths (ft) _____

None

Is coal being mined in area (Y/N)? N

Coal Depths (ft): 98-101, 145-149, 232-233 &

375-377

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
8 5/8	1327 ft.	1327 ft.	310 sks
5 1/2		7995	685 sks
1 in. siphon 3000 ft.			
Perforated and squeezed at 5200 ft and used 485 sks.			
Set solid plug at 6200', filled hole with 6% gel & cement up to 5200' as per agreement with state inspector.			

OPEN FLOW DATA

Producing formation Big Injun, Gordon Sand, Fourth, Fifth Bayard, Benson, Lower Elk and Huntersville Chert Pay zone depth (ft) 1390-7720
Gas: Initial open flow 30 MCF/d Oil: Initial open flow _____ Bbl/
Final open flow 225 MCF/d Final open flow _____ Bbl/
Time of open flow between initial and final tests 4 Hour
Static rock Pressure 400 psig (surface pressure) after 72 Hour

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/
Final open flow _____ MCF/d Final open flow _____ Bbl/
Time of open flow between initial and final tests _____ Hour
Static rock Pressure _____ psig (surface pressure) after _____ Hour

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATE 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: MIKE ROSS, INC. dba
ROSS & WHARTON GAS CO., INC.
By: Mike Ross, C.O.B.
Date: August 5, 1993

OCT 27 1993

Fractured July 20, 1993

1st Stage - Perfs @ 4294-5146, 500 BBLS Water, 1000 Gal. Acid
100 sks 80/100 sand, 300 sks 20/40 sand, 35,000 SCF N²

2nd Stage - Perfs @ 3092-3556, 450 BBLS Water, 1000 Gal. Acid,
100 sks 80/100 sand, 350 sks 20/40 sand, 35,000 SCF N²

3rd Stage - Perfs @ 1458-2238, 450 BBLS Water, 1000 Gal. Acid
400 sks 20/40 Sand, 30,000 SCF N²

Sandstone	0	3	
Sandy Shale	3	98	½" stream H ₂ O @ 50'
Coal	98	101	
Sand	101	145	
Coal	145	149	½" stream H ₂ O @ 147'
Shale	149	215	
Coal	215	218	
Shale	218	232	
Coal	232	233	
Sand	233	375	
Coal	375	377	
Sandy Shale	377	980	
Red Rock	980	985	
Sandy Shale	985	1250	
Big Lime	1250	1390	
Big Injun	1390	1485	Show of gas
Sandy Shale	1485	1732	
Gordon Sand	1732	1786	Show of gas
Sandy Shale	1786	1880	
Fourth Sand	1880	1920	Show of gas
Sandy Shale	1920	2060	
Fifth Sand	2060	2180	Show of gas
Sandy Shale	2180	2220	
Bayard Sand	2220	2240	Show of gas
Sandy Shale	2240	3504	
Benson Sand	3504	3516	Show of gas
Sandy Shale	3516	5130	
Lower Elk Sand	5130	5150	Show of gas
Sandy Shale	5150	7200	
Marcellus	7200	7340	Had blow out at 7215 ft.
Sandy Shale	7340	7562	
Huntersville Chert	7562	7720	Show of gas
Sandy Shale	7720	7756	
Oriskany Sand	7756	7940	
Sand & Lime	7940	8026	TD

DF - 485
DFT - 475

17342