

Jamie 10/3/89

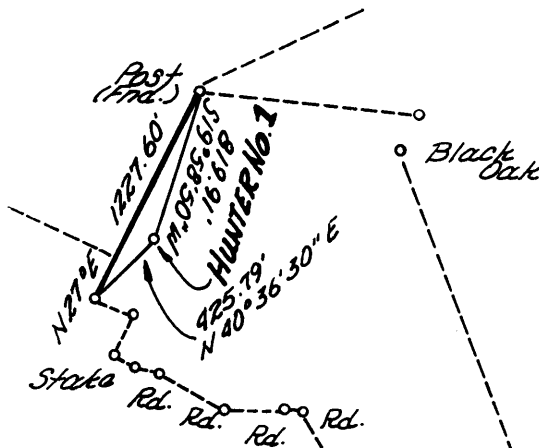
LATITUDE 39° 42' 30"

2.290'

CHARLES JR. & MARY J. HUNTER

+ 0.43S
0.43W

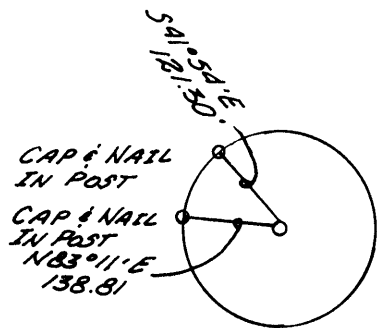
H. E. GARLOW



BORTZ MINING CO.

C. H. & DORA B. HUNTER

0212



REFERENCES
Bk. 121 Pg. 11

15' loc
3.31 S
0.43 W

No known wells within 1200'

NOTE: B.136 Pg. 212 HEIR OF CHARLES HERBERT AND DORA B. HUNTER (D.B. 357 B. 241)
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1:2500'
 PROVEN SOURCE OF ELEVATION U.S.G.S. QUAD

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) [Signature]
 R.P.E. 7064 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE SEPTEMBER 26, 1989
 OPERATOR'S WELL NO. HUNTER No. 1
 API WELL NO. _____

47 061 0945
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1220' WATER SHED MONONGAHELA RIVER
 DISTRICT UNION 7 COUNTY MONONGALIA
 QUADRANGLE MORGANTOWN NORTH, W.VA. - PA. 086 NW #15
 SURFACE OWNER CHARLES HUNTER JR. SEE NOTE ACREAGE 92.16 ACS.
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 93 ACS.
 LEASE NO. _____

PROPOSED WORK: DRILL X 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 ___

OCT 6 1989

TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR NOUMENON CORPORATION DESIGNATED AGENT STEPHEN K. SHUMAN, PRES.
 ADDRESS P.O. Box 842, MORGANTOWN, W.V. ADDRESS SAME
26507-0842 0624

6-6 Cassville-Bowlby (068)

FORM WW-6

COUNTY NAME

PERMIT

NORTH

LONGITUDE 79° 55' 00"

WR35

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

2-APR-90
API # 47-61-00945

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Oil and Gas Section

Well Operator's Report of Well Work

FARM NAME: HUNTER, CHARLES, ET UX Operator Well No.: HUNTER #1
LOCATION: Elevation: 1220.00 Quadrangle: MORGANTOWN NORTH.
District: UNION County: MONONGALIA
Latitude: 2,290 Feet South of 39 Deg. 42 Min. 30 Sec.
Longitude: 2,290 Feet West of 79 Deg. 55 Min. 00 Sec.

COMPANY: NOUMENON CORPORATION, a WV
P.O. Box 116
Core, WV 26529-0116 & | Casing | Used in | Left | Cement |
| | | | | |
| Tubing | Drilling | in Well | Cu. Ft. |

AGENT: STEPHAN K. SHUMAN

Size	Used in	Left	Cement
11 3/4"	64'	64'	76
7"	1140'	1140'	175
4 1/2"	----	2612'	135

Inspector: DONALD ELLIS
 Permit Issued: 10/03/89
 Well Work Commenced: 10/03/89
 Well Work Completed: 10/08/89
 Verbal Plugging
 Permission granted on: n/a
 Rotary x Cable Rig
 Total Depth (feet) 2670'
 Fresh water depths (ft) 985
 Salt water depths (ft) n/a
 Is coal being mined in area (y/n)? n
 Coal Depths (ft): 30, 660

OPEN FLOW DATA

Producing Formation Big Injun Pay zone depth (ft) 1500'
 Gas: Initial open flow 5 MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 175 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests 8 Hours
 Static rock Pressure 125 psig (surface pressure) after 8 Hours

Second producing Formation Upper Squaw Pay zone deptq (ft) 1651
 Gas: Initial open flow Above MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow Above MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests Above Hours
 Static rock Pressure Above psig (surface pressure) after Above Hours
 Note: Above information is a composite of both pay zones.

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: NOUMENON CORPORATION, a W.VA. CORP.

By: [Signature]

Date: 5/27/90

SEP 10 1990

PERFORATION AND STIMULATION DATA:

Double notches were cut at the following depths and treatment was attempted:

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- BI 1500' Big Injun - BDP 2900 psi - Water with 20/40 sand
- 1521' " " - No Break
- 1641' Upper Squaw - BDP 4300 psi - Water with 20/40 sand
- Squaw 1651' " " - " 4000 " - " " " " "
- 1682' " " - No Break
- weir 1722' Lower Squaw - No Break
- 1740' Berea - BDP 3800 psi - Water with 20/40 sand
- 50' 1975' Gantz - No Break
- 1984' Fifty Foot - BDP 3500 psi - Water with 20/40 sand
- 30' 2070' Thirty Foot - No Break
- 60' 2188' Gordon - No Break
- 2454' Fifth - " "
- 5th 2471' Fifth A - " "
- 2564 - 2589' Bayard and Elizabeth - No break

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Fill	Black	Sft	Surface	5	Damp @ 30'
Sand & Shale	Gray	Hrd	5	30	
Coal	Black	Sft	30 A	32	
Open			32	37	
Shale	Gray	Sft	37	40	
Sand & Shale	Gray	Med	40	352	
Sand	Gray	Med	352	416	
Red Rock & Shale	Gra/Rd	Med	416	423	
Sand	Gray	Hrd	423	434	
Red Rock	Red	Sft	434	443	
Red Rock & Shale	Gra/Rd	Med	443	476	
Sand	Gray	Hrd	476	600	
Shale	Gray	Sft	600	613	
Sand & Shale	Gray	Med	613	660	
Coal	Black	Sft	660	665	
Shale	Gray	Sft	665	695	Fresh Water @ 749
Sand & Shale	Gra/Wh	Med	695	752	
Sand	White	Hrd	752	827	
Sand & Shale	Gray	Sft	827	930	
Sand	Gray	Hrd	930	985	
Shale	Gray	Sft	985	988	
Sand	Gray	Med	988	1025	
Sand & Shale	Gray	Med	1025	1094	
Shale	Gray	Med	1094	1140	
Red Rock & Shale	Rd/Gra	Med	1140	1153	
Sand	Gray	Hrd	1153	1298	
Little Lime	Gray	Med	1298	1312	
Shale	Gray	Sft	1312	1345	
Big Lime	Gray	Hrd	1345	1413	
Injun	Tan	Hrd	1413	1492	
Sand & Shale	Gray	Hrd	1492	1648	

061 945

Sand ^{Squaw}	Gray	Med	1648		1708		
Shale	Gray	Med	1708		2022		
Sand	Gray	Hrd	2022		2110		
Sand & Shale	Gray	Med	2110		2552		
Sand	Gray	Hrd	2552		2606		
Shale	Gray	Sft	2606		2670		Gas Guage - 5 MCFD @ TD
TD Logger			2655				

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061-0945
Issued 10/03/89 Expires 10/03/91
Page 1 of 1

FORM WW-2B

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

- 1) Well Operator: Noumenon Corporation ⁶⁶⁹ 34710, 7, 483
- 2) Operator's Well Number: Hunter #1 3) Elevation: 1220'
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /
- 5) Proposed Target Formation(s): Bayard Sand
- 6) Proposed Total Depth: 2900 feet
- 7) Approximate fresh water strata depths: 755', 986', 1090', 241' ^{545'}
- 8) Approximate salt water depths:
- 9) Approximate coal seam depths: Pittsburgh 40', Upper Freeport 640' ^{C 955-961' C 741-745' C 974-980' C 655-661'}
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 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	
Conductor	11 3/4		42	40'		
Fresh Water						
Coal						38CSR18-113 38CSR18-1122
Intermediate	7		23	1120'	1120'	CTS
Production	4 1/2		10 1/2	2900' TD	2900'	
Tubing					2900'	38CSR18-111
Liners						

PACKERS : Kind
Sizes
Depths set

For Division of Oil and Gas Use Only

1548
27
Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Flat WW-9 WW-2B Bond Blanket one Agent

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

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OCT 03 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: September 29, 1989
2) Operator's well number
Hunter #1
3) API Well No: 47 - 061 - 0945
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 Charles & Mary J. Hunter Jr.
Address Route 4, Box 318
Morgantown, WV 26505
(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 Donald Ellis
Address 2604 Crabapple Lane
Fairmont, WV 26554
Telephone (304)- 534-5596

(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
 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)
- 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 Noumenon Corporation,
By: [Signature]
Its: President
Address 256 High Street, P.O. Box 842
Morgantown, WV 26507-0842
Telephone (304) 292-8488

Subscribed and sworn before me this 29th day of SEPTEMBER, 1989

[Signature] Notary Public
My commission expires FEBRUARY 5, 1996