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State of West Virginia

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

DEPARTMENT OF ENERGY
Oil and Gas Division

Date April 28, 1987
Operator's
Well No. Lynch #3
Farm Lynch
API No. 47-061-0827

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1215 Watershed Laurel Run
District: Union County Monongalia Quadrangle Morgantown North

COMPANY Noumenon Corporation
ADDRESS P.O. Box 842, Morgantown, WV 26507
DESIGNATED AGENT Stephen K. Shuman
ADDRESS 256 High Street, Morgantown, WV 26505
SURFACE OWNER John D. Lynch, et al
ADDRESS 387 Jacobs Dr., Morgantown, WV 26505
MINERAL RIGHTS OWNER John D. Lynch, et al
ADDRESS 387 Jacobs Dr., Morgantown, WV 26505
OIL AND GAS INSPECTOR FOR THIS WORK Donald Ellis ADDRESS 2604 Crabapple Lane
PERMIT ISSUED Fairmont, WV 26554 11-12-86
DRILLING COMMENCED 12-10-86
DRILLING COMPLETED 12-18-86
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	30	0	
9 5/8			
8 5/8	968	968	CTS
7			
5 1/2			
4 1/2		2465	1890
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Bayard Sand Depth 2507 feet
Depth of completed well 2507 feet Rotary X / Cable Tools ___
Water strata depth: Fresh 955 feet; Salt ___ feet
Coal seam depths: Surface § 625' Is coal being mined in the area? No, previously stripped

OPEN FLOW DATA

Producing formation 5th Sand Pay zone depth 2370 feet
Gas: Initial open flow 33 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 450 Mcf/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure 800 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation NONE Pay zone depth ___ feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ Mcf/d Oil: Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ hours shut in

(REVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

5th sand perforated @ 2381 to 2387 with 13 holes; frac'd with 210 barrels of foamed water of 75% quality; 43,000 lbs. of Sand; BDP- 3500 psi; ATP- 2750 psi; Instantaneous shut in pressure - 2050 psi; Acid- 12 bbls of 15% HCL; Nitrogen - 1.3%

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fre and salt water, coal, oil and g
Sand & Shale			Surface	600	
Sandstone			600	618	
Coal			625	627	
Shale & Sandstone			627	884	
Sandstone			884	1212	
Shale			1212	1259	Fresh water @ 955'
Little Lime			1259	1272	
Shale			1272	1304	
Big Lime			1304	1400	
Big Injun			1400	1528	
Shale			1528	1610	
Squaw Sand			1610	1704	
Shale			1704	1865	
Sandstone			1865	1876	
Shale			1876	1937	
Sandstone & Shale			1937	2050	
Shale & Sandstone			2050	2367	
✓ Fifth Sand			2367	2475 TD	Show gas @ 2390'

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DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

Neumenon Corporation
Well Operator

By: [Signature]
Date: 4/29/87 Stephen R. Shuman, Pres.

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic

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1) Date: October 27, 19 86
 2) Operator's Lynch #3
 Well No. _____
 3) API Well No. 47 -061-0827
 State _____ County _____ Permit _____

**DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY**

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION**

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X)
- 5) LOCATION: Elevation: 1215 Watershed: Laurel Run
 District: Union 624 County: Monongalia Quadrangle: Morgantown North
- 6) WELL OPERATOR Noumenon Corp CODE: 34710 7) DESIGNATED AGENT Stephen Shuman
 Address P. O. Box 842 Address 256 High Street
Morgantown, WV 26507 0842 Morgantown, WV 26505
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Donald Ellis Name Putman Drilling
 Address 2604 Crabapple Lane Address P. O. Box 465
Fairmont, WV 26554 Marietta, OH
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Bayard Sand #23
- 12) Estimated depth of completed well, XXXXX 2950 feet
 13) Approximate trata depths: Fresh, XXX 890 feet; salt, _____ feet.
 14) Approximate coal seam depths: XXXXXXXXXXXX 550; Is coal being mined in the area? Yes _____ / No X
- 15) CASING AND TUBING PROGRAM 880

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	12"		20	X		30	---		Kinds
Fresh water									Sizes
Coal									Depths set
Intermediate	8-5/8"	J-55	23	X		1350	1350	CTS Per Rule 15.05	
Production	4 1/2"	K-55	9.5	X			2900	1500 2905K	OR AS REQUIRED BY Rule
Tubing									Perforations: 15.01
Liners									Top Bottom

**OFFICE USE ONLY
DRILLING PERMIT**

Permit number 47-061-0827 Date November 12 19 86

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires November 12, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>AS</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>1010</u> <u>153</u>	WPP: <u>AS</u>	S&E: <u>AS</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.

John H. Johnson by Ane Smith
 Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.