

4000' ±

LATITUDE 39° 42' 30"

LONGITUDE 79° 55' 7300'

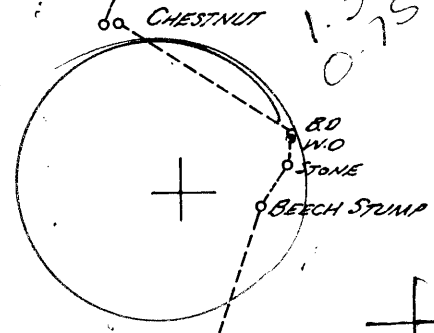
DOETHA SUPPLY CO.
D.B. 227 Pg. 319

WM & RUTH DIPPOLD
D.B. 868 Pg. 160

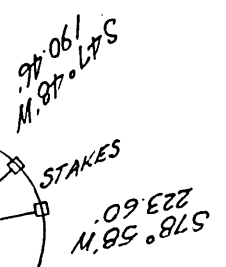
S 9° 28' 50" W
516.31'

S 84° 25' E (275.51 p.)
4181.32' 4545.92' I.P.
644700 N., 50. LE. 885

LYNCH No. 4

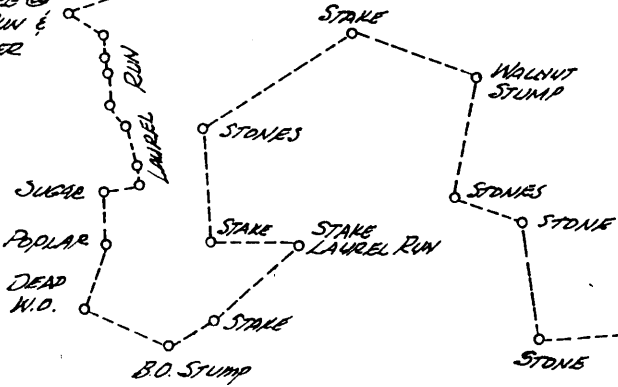


4.265
0.75W



SUGAR TONES @
LAUREL RUN &
MON. RIVER

MONONGAHELA RIVER
LAUREL RUN



NORTH

NOTE: No known wells within 1200'

REF: LYNCH No. 4

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

EX 46 Pg. 52

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 2000'
MINIMUM DEGREE OF
ACCURACY 1:2500
PROVEN SOURCE OF
ELEVATION USGS 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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENERGY.
(SIGNED) Frank H. Williams
R.P.E. 7064 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE JULY 8, 19 87
OPERATOR'S WELL NO. LYNCH No. 4
API WELL NO. _____

47 - 061 - 084-0
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1300 WATER SHED MONONGAHELA RIVER - LAUREL RUN
DISTRICT UNION 7 COUNTY MONONGALIA
QUADRANGLE MORGANTOWN NORTH W.VA. - PA. 489 086 NW1
SURFACE OWNER JOHN D. LYNCH, et al. DB. 936 Pg. 131 ACREAGE 82 1/2
OIL & GAS ROYALTY OWNER JOHN D. LYNCH, et al. LEASE ACREAGE 425 1/2
LEASE NO. _____

COUNTY NAME

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

PERMIT

JUL 20 1987

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION REINFORCED SAND ESTIMATED DEPTH 2950'
WELL OPERATOR NOUMENON CORPORATION DESIGNATED AGENT STEPHEN K. SHUMAN, PRES.
ADDRESS P.O. Box 842, MORGANTOWN, W.V. 26507-0842 ADDRESS SAME

6-6 Cassville - Bowlsby (68)

HT. HALL 3573 FORM WW-6

IV-35
Rev 8-81)



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State of West Virginia
Department of Mines
Oil and Gas Division

Date December 17, 1987
Operator's Lynch #4
Well No. _____
Farm Lynch
API No. 47 - 061 - 0840

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1300 Watershed Laurel Run
District: Union County Monongalia Quadrangle Morgantown North

COMPANY Noumenon Corporation
ADDRESS P. O. Box 842 Morgantown, WV 26505
DESIGNATED AGENT Stephen K. Shuman, Pres.
ADDRESS 256 High St., Morgantown, WV 26505
SURFACE OWNER John D. Lynch, et al
ADDRESS 378 Jacobs Dr., Morgantown, WV 26505
MINERAL RIGHTS OWNER John D. Lynch, et al.
ADDRESS 378 Jacobs Dr., Morgantown, WV 26505
OIL AND GAS INSPECTOR FOR THIS WORK Donald
Ellis ADDRESS 2604 Crabapple Lane
Fairmont, WV 26554
PERMIT ISSUED 7/13/87
DRILLING COMMENCED 7/21/87
DRILLING COMPLETED 7/31/87

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11-3/4" 13-10"	91'	91'	
9 5/8			
8 5/8	1181'	1181'	300 CTS sacks
7			
5 1/2			
4 1/2		1643'	977'
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

GEOLOGICAL TARGET FORMATION Bayard Depth 2700 feet
Depth of completed well 2721 feet Rotary XX / Cable Tools _____
Water strata depth: Fresh 1130 feet; Salt _____ feet
Coal seam depths: 64, 672, 859 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 1570-1523 feet
Gas: Initial open flow none Mcf/d Oil: Initial open flow none Bbl/d
Final open flow 100 Mcf/d Final open flow none Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 400 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)

Second producing formation _____ 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 FEB 22 1988

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(REVERSE)

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

Plug Back from 1721' to 1642' with 100' of Cement and 6% gel.

Frac Big Injun perfs: 9 holes 1570-62, 7 holes 1529-23 with 42,000 lbs. 20/40 sand, 75% quality foam, BDP 2800 p.s.i., ATP 2600 p.s.i.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sandstone			Surface	64	
Coal Pittsburgh			64	69	
Shale & Sand			69	500	
Sandstone			500	600	
Shale			600	672	
Coal Upper Freeport			672	675	
Shale & Sand			675	859	
Coal			859	860	
Shale			860	928	
Sandstone Homewood			928	1135	
Shale & Sand			1135	1216	Water @ 1130'
Shale			1216	1330	
Little Lime			1330	1345	
Shale			1345	1368	
Sandstone			1368	1370	
Shale			1370	1378	
Big Lime			1378	1470	
Big Injun			1470	1615	
Shale			1615	1628	
Squaw Sand			1628	1715	
Shale			1715	1760	
Sandstone			1760	1776	
Shale			1776	1938	
Berea			1938	1950	
Shale			1950	2008	
Sand & Shale			2008	2060	
Shale			2060	2087	
Sandstone			2087	2122	
Shale & Sand			2122	2230	
Gordon Sand			2230	2238	
Shale & Sand			2238	2440	
Sandstone			2440	2472	
Shale			2472	2483	
Sandstone & Shale			2483	2531	
Shale			2531	2566	
Sandstone			2566	2621	
Shale			2621	2721TD	

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FEB 16 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

Noumenon Corporation
Well Operator

By: [Signature], President

Date: Feb 10th 1988

1063

Note: Regulation 2.02(i) provides as follows:

FORM WH-2 (B) (Obverse) 7/85
RECEIVED
 JUL 10 1987



1) Date: June 23, 1987
 2) Operator's Well No. Lynch #4
 3) API Well No. 47 State 061 County 0840 Permit

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow 403
- 5) LOCATION: Elevation: 1300 Watershed: Laurel Run
 District: Union 7 County: Monongalia 061 Quadrangle: Morgantown North
- 6) WELL OPERATOR Noumenon Corp CODE: 34710 7) DESIGNATED AGENT Stephen K. Shuman, Pres
 Address P.O.Box 842 Address 256 High Street
Morgantown, WV 26507-0842 Morgantown, WV 26505
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Donald Ellis 9) DRILLING CONTRACTOR: Name Putman Drilling
 Address 2604 Crabapple Lane Address P.O. Box 465
Fairmont, WV 26554 Marietta, OH 45750
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Bayard Sand
- 12) Estimated depth of completed well, 2900 feet
 13) Approximate strata depths: Fresh, 1130 feet; salt, _____ feet.
 14) Approximate coal seam depths: 698 Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM

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									
Coal									Size
Intermediate	85/8	J-55	24	X		1175'	1175'	CTS	Per Rule 15.05
Production	41/2	K-55	10.5	X		----	2900'	1500'	Depths set
Tubing									AS REQUIRED BY Rule 15.01
Liners								OR 290 SKS	Perforations:
									Top Bottom

**OFFICE USE ONLY
 DRILLING PERMIT**

Permit number 47-061-0840 Date July 13, 1987

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 July 13, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

10431

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <input checked="" type="checkbox"/>	WPCP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input checked="" type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.
 Director, Division of Oil and Gas File

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