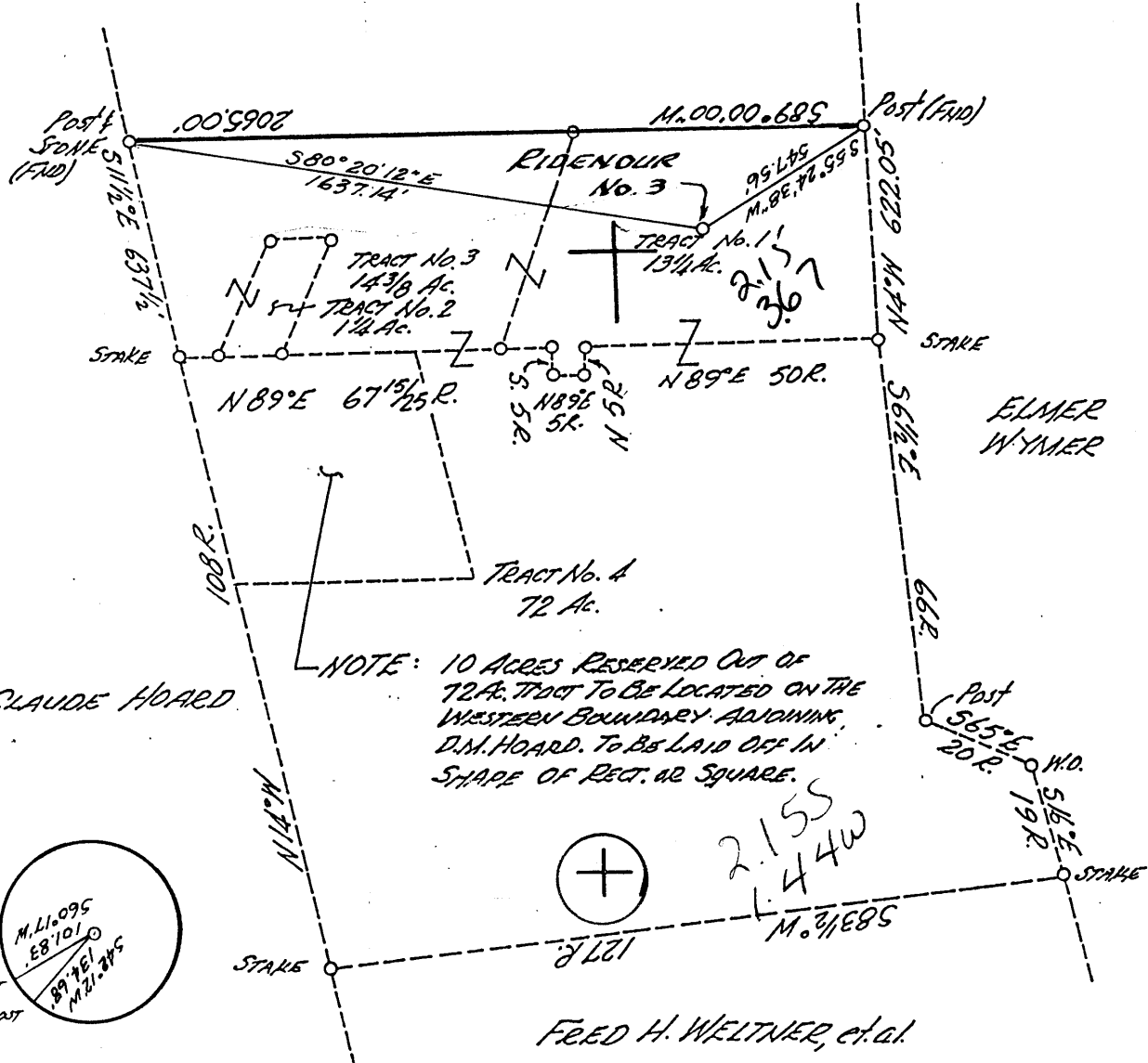


REUBEN BAILEY



NOTE: 10 ACRES RESERVED OUT OF 72 AC. TRACT TO BE LOCATED ON THE WESTERN BOUNDARY ADJOINING D.M. HOARD. TO BE LAID OFF IN SHAPE OF RECT. OR SQUARE.

FRED H. WELTNER, et al.

REFERENCES  
(Bk 77 Pg. 48)

NOTE: No known wells within 1200'.

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 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) Frank N. Williams  
 R.P.E. 7064 L.L.S. \_\_\_\_\_

110,7061  
 PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE DEC. 29, 1987  
 OPERATOR'S WELL NO. RIENOUR No. 3  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1180 WATER SHED MONONGAHELA RIVER  
 DISTRICT UNION 7 COUNTY MONONGALIA 45'nc  
 QUADRANGLE MORGANTOWN NORTH - WVA-PA 484 086 2  
 SURFACE OWNER WILLARD WAYNE RIENOUR, et al DB 911 Pa. 291 ACREAGE 90 7/8 Acs.  
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 92 Acs

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 \_\_\_  
 TARGET FORMATION BAYARD SAND ESTIMATED DEPTH 2950'  
 WELL OPERATOR NOUMENON CORPORATION DESIGNATED AGENT STEPHEN K. SHUMAN, PRES.  
 ADDRESS P.O. Box 842, Morgantown, W.V. ADDRESS SAME  
26507-0842

6-6 Cassville Bowlby (068)

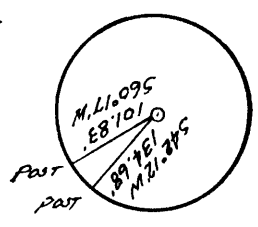
LONGITUDE 79° 52' 30"

11,500'

NORTH

E. CLAUDE HOARD

ELMER WYMER



2.155  
 4.44W

JAN 4 1987

COUNTY NAME

PERMIT

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**JAN 19 1989**

28-APR-88  
 API # 47- 61-00848

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

DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

**Well Operator's Report of Well Work**

FARM NAME: RIDENOUR, WILLARD & CAROL Operator Well No.: RIDENOUR 3

LOCATION: Elevation: 1180.00      Quadrangle: MORGANTOWN NORTH  
 District: UNION                      County: MONONGALIA  
 Latitude: 7600 Feet West of 39      Deg. 45Min. 0 Sec.  
 Longitude: 11500 Feet South of 79      Deg. 52Min. 30 Sec.

COMPANY: NOUMENON CORPORATION, a WV  
 P.O. Box 842  
 Morgantown, WV 26507-0842

AGENT: STEPHAN K. SHUMAN

Inspector: DONALD ELLIS  
 Permit Issued: 09/14/87  
 Well Work Commenced: 09/14/87  
 Well Work Completed: 09/24/87  
 Verbal Plugging  
 Permission granted on: n/a  
 Rotary x Cable Rig  
 Total Depth (feet) 2703'  
 Fresh water depths (ft) 965  
 Salt water depths (ft) n/a

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	40'	40'	
8 5/8"	1076'	1076'	cts
4 1/2"	----	2234'	215 sks

Is coal being mined in area (y/n)?n  
 Coal Depths (ft): 415,600,673

**OPEN FLOW DATE**

Producing Formation Squaw Pay zone depth (ft) 1683'  
 Gas: Initial open flow 0 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow 130 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests 36 Hours  
 Static rock Pressure 465 psig (surface pressure) after 24 Hours

Second producing Formation Big Injun Pay zone depth (ft) 1530  
 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:** 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: Stephan K. Shuman  
 Date: Jan 16, 1989

PERFORATION AND STIMULATION DATA:

Squaw and Big Injun Sandstones - Perforations were made at 1666 to 1670 and at 1678 to 1688 to treat the Squaw sandstone and at 1514 to 1524 and at 1546 to 1552 to frac the Big Injun sandstone. The two areas were separated during treatment by a wide mouth frac plug. Both sands were treated with a gelled water fluid and 20-40 mesh sand. The Squaw broke down at 2313 p.s.i. and the Big Injun at 2450 p.s.i.

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Shale & Sandstone	Surface	62	
Coal	62	65	
Sandstone & Shale	65	515	Fresh Water @ 75 & 180
Sandstone	515	542	
Shale	542	564	
Sandstone	564	585	
Shale	585	650	
Sandstone	650	670	
Shale	670	687	
Upper Freeport Coal	687	692	
Shale & Sandstone	692	750	
Lower Freeport Coal	750	752	
Shale & Sandstone	752	1010	
Homewood Sand	1010	1130	Fresh Water @ 1050
Shale	1130	1308	
Little Lime	1308	1320	
Shale	1320	1337	
Blue Monday	1337	1356	
Big lime	1356	1442	
Big Injun	1442	1622	Slight Show of Gas
Shale	1622	1664	
Squaw Sand	1664	1772	Slight Show of Gas
Shale	1772	1936	
Berea Sand ?	1936	1956	
Shale	1956	1962	
Shumanon Gantz	1962	1975	
Shale	1975	2092	
Thirty Foot	2092	2130	
Shale	2130	2181	
Gordon Stray	2181	2186	
Shale	2186	2232	
Gordon Sand Horizon	2232	----	
Shale	----	2322	
Fourth	2322	2331	
Shale	2331	2444	
Fifth "A"	2444	2454	
Shale	2454	2482	
Fifth	2482	2488	
Shale	2488	2573	
Bayard	2573	2586	
Shale	2586	2602	
Elizabeth	2602	2619	
Base of Sand	2619		
TD (Logger)	2700		

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JAN 19 1989

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

6561

(Obverse)

7/85

RECEIVED  
DEC 30 1987



1) Date: December 28, 19 87  
2) Operator's Ridenour #3  
Well No. \_\_\_\_\_  
3) API Well No. 47 State 061 County 0848 Permit

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

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas  / B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow  )
- 5) LOCATION: Elevation: 1180 Watershed: Monongahela River District: Union County: Monongalia Quadrange: Morgantown North
- 6) WELL OPERATOR: Noumenon Corp CODE: 34710 7) DESIGNATED AGENT: Stephen K. Shuman  
Address: P.O. Box 842 Morgantown, WV 26507-0842 Address: 256 High Street Morgantown, WV 26505
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Donald Ellis Address: 2604 Crabapple Lane Fairmont, WV 26554
- 9) DRILLING CONTRACTOR: Name: Nexus Drilling Address: Jane Lew, WV
- 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, 946, 1050, 915 feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: 912, 650, 892-895 Is coal being mined in the area? Yes \_\_\_\_\_ / No
- 15) CASING AND TUBING PROGRAM: from Monongalia 100, 233, 236, 237, 325, 344, 346

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	11 3/4		42	X		30'	XXXXXX		Kinds
Fresh water									
Coal									Sizes 3ACSR10-11.3
Intermediate	8 5/8	J55	23	X		1110	1110	CTS	3ACSR10-11.2.2
Production	4 1/2	K55	10.5	X		XXXX	2650	1110	Depths set 3ACSR10-11.1
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-061-0848 Date December 30, 19 87

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 December 30, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:	WPSP:	S&E:	Other:
				240 1403			

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.