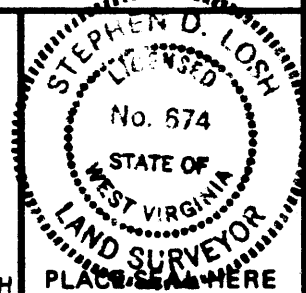


FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION INTER. Co. RTS.  
 22/1 & 20/2 Elev. 790'

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 MINES.

(SIGNED) Stephen D. Losh  
 R.P.E. \_\_\_\_\_ L.L.S. 674  
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE March 25, 1983  
 OPERATOR'S WELL NO. B-1  
 API WELL NO. \_\_\_\_\_

47 - 073 - 1619  
 STATE COUNTY PERMIT  
 Formerly 073-1559

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL  GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1000' WATER SHED RIGHT FORK OF FRENCH CREEK  
 DISTRICT JEFFERSON COUNTY PLEASANTS  
 QUADRANGLE SCHULTZ 7.5 min. St. Marys SC  
 SURFACE OWNER IVA B. WEST, et al. ACREAGE 51.03  
 OIL & GAS ROYALTY OWNER IVA B. WEST, et al. LEASE ACREAGE 51.03  
 LEASE NO. 00024

PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
Hogpen Run (372)

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ 6-6  
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5900' Bonds (183)  
 WELL OPERATOR URANUS GEO CO., INC. DESIGNATED AGENT William K. Overbey, Jr. APR 11 1983  
 ADDRESS 122 E. MAIN ST. ADDRESS 122 E. MAIN ST.  
Bridgeport, WV 26330 Bridgeport, WV 26330



IV-35  
(Rev 8-81)

**FORWARDED**  
AUG 1 1983

OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date August 9, 1983  
Operator's Well No. #1C  
Farm Iva West  
API No. 47 - 073 - 1619

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1000' Watershed Right Fork French Creek  
District: Jefferson County Pleasants Quadrangle Schultz 7.5

COMPANY Uranus Geo Company, Inc.

ADDRESS 122 E. Main St. Bridgeport, WV 26330

DESIGNATED AGENT William Overbey, Jr.

ADDRESS Same

SURFACE OWNER Iva West etal

ADDRESS Rt. 2 Box 140 St. Mary, WV

MINERAL RIGHTS OWNER Same

ADDRESS    

OIL AND GAS INSPECTOR FOR THIS WORK Robert

Lowther ADDRESS Middlebourne, WV

PERMIT ISSUED April 6, 1983

DRILLING COMMENCED May 14, 1983

DRILLING COMPLETED May 20, 1983

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.			
<del>13 1/4</del>	40'	40'	Cement to surface
9 5/8			
8 5/8	2122'	2122'	560 sks
7			
5 1/2			
4 1/2	5663'	5663'	500 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 5900 feet

Depth of completed well 5680 feet Rotary x / Cable Tools    

Water strata depth: Fresh 250 feet; Salt 1440 feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3550-5594 feet

Gas: Initial open flow 112 Mcf/d Oil: Initial open flow 39 Bbl/d

Final open flow 55 Mcf/d Final open flow 75 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 900 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

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

AUG 29 1983

(Continue on reverse side)

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

Nitrogen Frac w/CO<sub>2</sub>

Rhinestreet	5390-5590	20 perfs	N2-360,000 SCF	CO2-30T
	4102-4230	20 perfs	N2-350,000 SCF	CO2-30T
Huron	3812-4012	20 perfs	N2-355,000 SCF	CO2-30T
	3550-3785	20 perfs	N2-350,000 SCF	CO2-30T

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
K.B.			0	10	
shale, sand			10	1440	
salt sands			1440	1570	
shale			1570	1630	
Maxton			1630	1645	
shale			1645	1737	
Big Lime			1737	1810	
Injun			1810	1920	Gas show
Squaw			1920	1954	
shale			1954	2156	
Weir			2156	2198	
shale			2198	2338	
Berea			2338	2340	
shale			2340	2444	
Gantz			2444	2456	
shale			2456	2716	
Gordon, Gordon Stray			2716	2757	
shale			2757	3148	
Huron			3148	4554	
Java			4554	4654	
Riley			4654	4664	
shale			4664	4790	
Angola			4790	4862	
Benson			4862	4870	
shale			4870	5150	
Cedar Creek			5150	5330	5330
<u>Rhinestreet</u>			5330	TD	2340
				5680	2990

(Attach separate sheets as necessary)

Uranus Geo Company, Inc.

Well Operator

By: William K. Overbay Jr.

Date: August 9, 1983

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."