

LOCATION BY LEON G. MALLOW  
PROFESSIONAL SURVEYOR NO. 567  
ROUTE 1, BOX 117, MONTROSE, WV

NOTES:

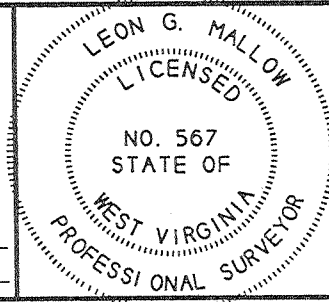
DEED CALLS ARE SHOWN IN ( PARENTHESIS ).  
THE (N 27° E) LINE COMMON WITH BURGESS WAS ASSUMED  
TO BE N 27° W TO FIT BETTER WITH THE TOPO FEATURES  
AND TO HELP THE ERROR OF CLOSURE OF THE TETER  
TRACT FOR PLOTTING PURPOSES.  
NO KNOWN WELLS WITHIN 3000 FEET OF TETER NO. 1  
BEARINGS ARE TRUE NORTH

⊕ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
DRAWING NO. ARDENT 03  
SCALE 1 INCH - 2000 FEET  
MINIMUM DEGREE OF  
ACCURACY 1 IN 200  
PROVEN SOURCE OF  
ELEVATION GPS TIE TO BM AT INTERS  
BIG RUN WITH RED CREEK ROAD  
ELEV - 2355 FT.

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  
DIVISION OF ENVIRONMENTAL PROTECTION,  
OFFICE OF OIL AND GAS

(SIGNED) Leon G. Mallow  
R.P.E. \_\_\_\_\_ L.L.S. 567



STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



DATE DECEMBER 8 1998  
OPERATOR'S WELL NO. RJ TETER  
API WELL NO. #1  
47 083 - 01155  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
( IF "GAS" PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP X SHALLOW \_\_\_\_\_  
LOCATION: ELEVATION 3415 WATER SHED BIG RUN OF RED CREEK  
DISTRICT DRY FORK COUNTY RANDOLPH  
QUADRANGLE LANEVILLE

SURFACE OWNER ROBERT J. TETER AND DORLES L. TETER ACREAGE 572  
OIL & GAS ROYALTY OWNER ROBERT J. TETER AND DORLES L. TETER LEASE ACREAGE 693  
LEASE NO. HARMA-0405502

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 ORISKANY S.S. ESTIMATED DEPTH 9000 FT.  
WELL OPERATOR ARDENT RESOURCES, INC. DESIGNATED AGENT R. EDWARD HART  
ADDRESS 35 HIGHLAND RD., SUITE 3108 ADDRESS 1120 KANAWHA BLVD. EAST  
BETHEL PARK, PA 15102 CHARLESTON, WV 25301

DEEP WELL

JAN 25 1999

COUNTY NAME PERMIT

RAN 1155



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

6/30/99 - Perforate Oriskany from 8845' to 8856' with 4 spf.

7/1/99 - Fracture Oriskany with 4000 gals Mod. 202, 4000 gals 15% FE Acid.  
Breakdown pressure 5030 psig ATP-1712 psi, ATR 7 bpm, ISIP 3436 psi.  
Total job volume 620 bbls.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Shale			Surface	290	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p>RECEIVED Office of Oil &amp; Gas Permitting</p> <p>MAY 24 2000</p> <p>WV Division of Environmental Protection</p> </div>
Lime and Shale			290	730	
Sand and Shale			730	900	
Shale			900	1150	
Sand and Shale			1150	1470	
Sand and Shale			1470	2480	
Shale			2480	2960	
Sand			2960	3030	
Shale			3030	3360	
Sand (Speechley)			3360	3520	
Shale			3520	4420	
Sand			4420	4450	
Shale			4450	4800	
Siltstone			4800	5030	
Shale			5030	7130	
Siltstone			7130	7160	
Shale			7160	8150	
Lime (Tully)			8150	8180	
Shale			8180	8410	
Shale (Marcellus)			8410	8480	
Lime <i>Porcell</i>			8480	8550	
Shale (Marcellus)			8550	8600	
Lime (Onondaga)			8600	8650	
Chert (Huntersville)			8650	8690	
Shale (Needmore)			8690	8716	
Sand (Oriskany)			8716	8960	Gas @ 8848'
Lime (Helderberg)			8960	Total Depth	

(Attach separate sheets as necessary)

Ardent Resources, Inc.

Well Operator

By:

*Penny A. Stail*

Date:

04-18-00

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."