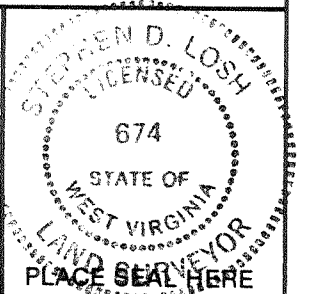


MYERS (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION BM 3000' S. OF LOCATION  
 LOCATION ELEV. 1058'

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) *[Signature]*  
 R.P.E. \_\_\_\_\_ L.L.S. 674  
 STEPHEN D. LOSH



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

DATE FEBRUARY 25, 19 91  
 OPERATOR'S WELL NO. E-163  
 API WELL NO. 47-033-3817 ATTERHOLT NO. 1  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1170' WATER SHED RACCOON CREEK  
 DISTRICT ELK 5 COUNTY HARRISON  
 QUADRANGLE BROWNTON 7.5 min. Philippe Wc

SURFACE OWNER WILLIAM J. TOMASIK ACREAGE 199.29  
 OIL & GAS ROYALTY OWNER EMMA ATTERHOLT LEASE ACREAGE 221.64  
 LEASE NO. 085

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

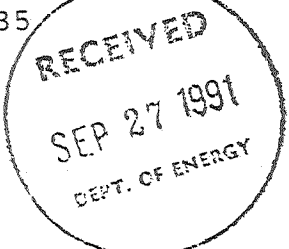
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_

TARGET FORMATION BENSON ESTIMATED DEPTH 4600'

WELL OPERATOR EXCEL ENERGY, INC. DESIGNATED AGENT HARRY BARNETT  
 ADDRESS P.O. BOX 1020 ADDRESS P.O. BOX 1020  
 BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

6-6 Elk Creek (Overfield) (155)

COUNTY NAME  
 PERMIT



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

Permitted TMG

Well Operator's Report of Well Work

Farm name: TOMASIK, WILLIAM J. DR. Operator Well No.: ATTERHOLT#1-163

LOCATION: Elevation: 1170.00 Quadrangle: BROWNTON

District: ELK County: HARRISON  
Latitude: 200 Feet South of 39 Deg. 10Min. 0 Sec.  
Longitude 9480 Feet West of 80 Deg. 12 Min. 30 Sec.

Company: EXCEL ENERGY, INC  
P. O. BOX 1020  
BRIDGEPORT, WV 26330-1020

Agent: HARRY L. BARNETT

Inspector: STEVE CASEY  
Permit Issued: 04/19/91  
Well work Commenced: 09/09/91  
Well work Completed: 09/17/91  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary x Cable \_\_\_\_\_ Rig  
Total Depth (feet) 4557'  
Fresh water depths (ft) 80', 240'

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 84'-88'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	40'	40'	
8 5/8"	1245'	1245'	300 sks
4 1/2"	4476'	4476'	520 sks

RECEIVED

OCT 0 2 91

Division of Energy  
Oil and Gas Section

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4386-4390  
Gas: Initial open flow SHOW MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 787 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 24 Hours  
Static rock Pressure 1100 psig (surface pressure) after 72 Hours

BRANFORD, WARREN  
Second producing formation AND BALLTOWN Pay zone depth (ft) 2906-3636  
Gas: Initial open flow SHOW MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow COMMINGLED MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 24 Hours  
Static rock Pressure COMMINGLED psig (surface pressure) after 72 Hours

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: EXCEL ENERGY, INC

By: [Signature] H.L. BARNETT  
Date: SEPTEMBER 26, 1991

RECEIVED OCT 2 1991

OCT 0 4 1991

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

STAGE I <sup>Benson</sup> (4386'-4390') 16 holes, 500 gal 15% HCL, 400 sks sand, 600 bbl gelled H<sub>2</sub>O.

STAGE II <sup>was used</sup> (2906'-3636') 18 holes, 1000 gal 15% HCL, 350 sks sand, 500 bbl gelled H<sub>2</sub>O.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill			0	5	
Sand & Shale			5	84	Damp @ 80'
Coal			84	88	
Sand & Shale			88	730	1 1/2" H <sub>2</sub> O @ 240'
Sand			730	1025	
Sand & Shale			1025	1487	
Big Lime			1487	1550	
Big Injun			1550	1650	
Shale			1650	1895	
Sand			1895	1920	
Sand & Shale			1920	2540	
Shale			2540	2760	
Sand & Shale			2760	3650	Gas Show
Shale			3650	4375	
Benson			4375	4395	Gas Show
Shale			4395	4557	DTD

10121

Issued 04/19/91

033-3817 Expires 04/19/93

FORM WW-2B

Page \_\_\_ of \_\_\_

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

1028

- 1) Well Operator: Excel Energy, Inc. 16570 (5) 266
- 2) Operator's Well Number: E-163 3) Elevation: 1170'
- 4) Well type: (a) Oil   / or Gas X/  
(b) If Gas: Production X/ Underground Storage   /  
Deep   / Shallow X/
- 5) Proposed Target Formation(s): 435 Benson
- 6) Proposed Total Depth: 4,600' feet
- 7) Approximate fresh water strata depths: 160' 186' 90' 35'
- 8) Approximate salt water depths: N/A 900'
- 9) Approximate coal seam depths: 288', 443' 296'-300' 707'-710'
- 10) Does land contain coal seams tributary to active mine? Yes   / No X/
- 11) Proposed Well Work: Drill and stimulate a new well.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	9 5/8"			30'		
Fresh Water						380 CSR 18 1/2
Coal						380 CSR 18 1/2
Intermediate	7"		17#	1240'	1240'	300 sks
Production	4 1/2"	J-55	10.5#	4600'	4600'	300 sks
Tubing						380 CSR 18 1/2
Liners						RECEIVED Division of Energy

PACKERS : Kind \_\_\_\_\_ Sizes \_\_\_\_\_ Depths set \_\_\_\_\_

APR 03 91  
Permitting  
Oil and Gas Section

For Division of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Surety Company Agent  
 (Type)

12001

Page 1 of \_\_\_\_\_  
Form WW2-A  
(09/87)  
File Copy

1) Date: 4-1-91  
2) Operator's well number  
Atterholt #1 E-163  
3) API Well No: 47 - 033 - 3817  
State - County - Permit

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

RECEIVED  
APR 03 01

- 4) Surface Owner(s) to be served:
- (a) Name Dr. William J. Tomasik  
Address 136 West Main Street  
Bridgeport, WV 26330
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
- Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration  
Name N/A  
Address \_\_\_\_\_
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Stephen Casey  
Address Rt. 2, Box 232-D  
Jane Lew, WV 26378  
Telephone (304)-745-4888

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Excel Energy, Inc.  
By: H.L. Barnett  
Its: President  
Address P.O. Box 1020  
Bridgeport, WV 26330  
Telephone (304) 842-6927

Subscribed and sworn before me this 1st day of April, 1991

Gwendolyn K. Alvarez Notary Public  
My commission expires November 9, 1988

