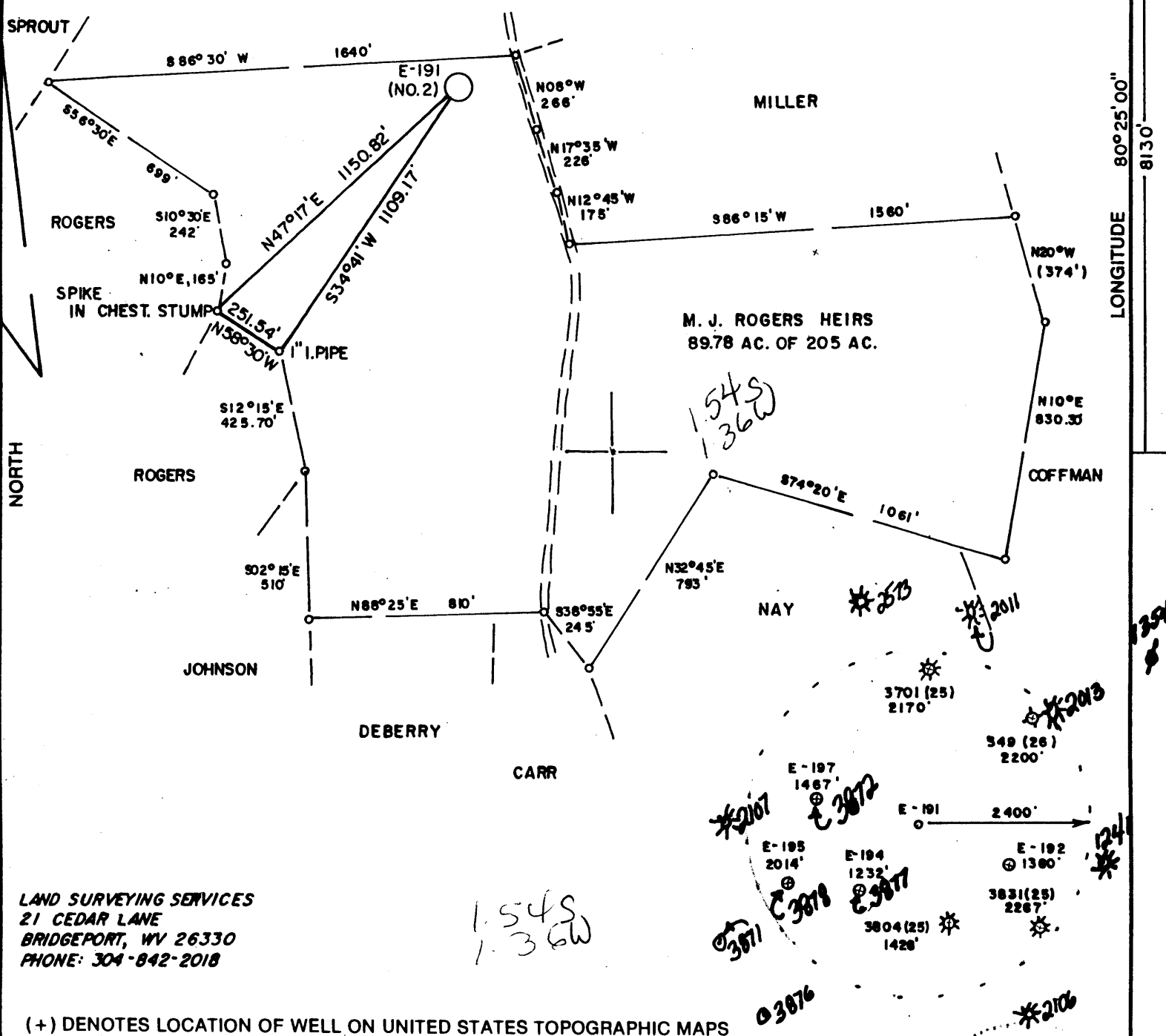


Janily
3/4/92

7260'
LATITUDE 39°25'00"

WELL REFERENCES:
N34°15'W, 146.50' TO F. POST
N17°E, 123' TO F. POST



LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

(+) 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 RD. INTER. 3700' S.E. OF LOCATION ELEV. - 997'

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) _____
R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE DECEMBER 11, 19 91
OPERATOR'S WELL NO. E-191
API WELL NO. M.J. ROGERS NO. 2
47 - 033 - 3875
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 1121' WATER SHED CALDWELL RUN
DISTRICT SARDIS COUNTY HARRISON
QUADRANGLE WALLACE 7.5 min. *Wallace WC*
SURFACE OWNER ETHEL L. ROBINSON ACREAGE 22.96
OIL & GAS ROYALTY OWNER M.J. ROGERS HEIRS LEASE ACREAGE 205
LEASE NO. 0072
PROPOSED WORK: DRILL 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 BALLTOWN ESTIMATED DEPTH 3850'
WELL OPERATOR EXCEL ENERGY, INC. DESIGNATED AGENT HARRY BARNETT
ADDRESS P. O. BOX 1020 1028 ADDRESS P.O. BOX 1020
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

LONGITUDE 80°25'00" 8130'

COUNTY NAME

PERMIT

MAR 4 1992

WR-**RECEIVED**
WV Division of
Environmental Protection

05-Mar-92
API # 47- 33-03875

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

FEB 16 93

Well Operator's Report of Well Work

Farm name: ROBINSON, SHELBY & ETHEL Operator Well No.: ROGERS #2 E-191

LOCATION: Elevation: 1121.00 Quadrangle: WALLACE

District: SARDIS County: HARRISON
Latitude: 8130 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 7260 Feet West of 80 Deg. 25 Min. 0 Sec.

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

Agent: HARRY L. BARNETT

Inspector: TIM BENNETT
Permit Issued: 03/05/92
Well work Commenced: 12/17/92
Well work Completed: 12/22/92
Verbal Plugging
Permission granted on: N/A
Rotary Cable _____ Rig
Total Depth (feet) 3815'
Fresh water depths (ft) 70,398
Salt water depths (ft) 1688

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8"	30'	-----	-----
7"	1280'	1280'	395 sks
4 1/2"	3762'	3762'	280 sks

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 107-109, 398-410

OPEN FLOW DATA

Balltown, Speechley
Producing formation Warren Pay zone depth (ft) 3178-3670
Gas: Initial open flow Show MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 1032 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 8 Hours
Static rock Pressure 360 psig (surface pressure) after 72 Hours
Injun, Fifty Ft.,
Second producing formation Gordon, Fourth Sand Pay zone depth (ft) 1790-2594
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 8 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

Reviewed TMG
Recorded _____

By: Sara Aman Sara Aman
Date: February 12, 1993

FEB 23 1993

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

STAGE I (3754'-3771') 16 holes, 500 gal 15% HCL, 400 sks sand, 460 bbl
75 Q Foam.

STAGE II (3181'-3354') 12 holes, 750 gal 15% HCL, 250 sks sand, 350 bbl
75 Q Foam.

STAGE III (2407'-2596') 17 holes, 750 gal 15% HCL, 350 sks sand, 484 bbl
75 Q Foam.

STAGE IV (1794'-1802') 13 holes, 750 gal 15% HCL, 450 sks sand, 660 bbl
75 Q Foam.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	58	
Sand			58	107	1/4" H ₂ O @ 70'
Coal			107	109	
Sand & Shale			109	398	
Coal			398	410	1" H ₂ O @ 398'
Sand & Shale			410	890	
Sand			890	1068	
Sand & Shale			1068	1505	
Sand & Shale			1505	1600	
Sand			1600	1705	Damp @ 1688'
Big Lime			1705	1750	
Big Injun			1750	1830	Gas Show
Shale			1830	2328	
Fifty Ft. Sand			2328	2375	
Thirty Ft. Sand			2375	2435	
Sand & Shale			2435	2505	
Gordon			2505	2580	Gas Show
Sand & Shale			2580	2620	
Shale			2620	3653	
Balltown			3653	3693	Gas Show
Shale			3693	3815	DTD

DFT = 433
DF = 424

RECEIVED
JAN 10

033-3875
Issued 3/5/92
Expires 3/5/94
Page of

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

- 1) Well Operator: Excel Energy, Inc. 16570 (7) 654
- 2) Operator's Well Number: E-191 3) Elevation: 1121'
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /
- 5) Proposed Target Formation(s): Balltown
- 6) Proposed Total Depth: 3850 feet
- 7) Approximate fresh water strata depths: 70, 275
- 8) Approximate salt water depths: n/a *OK*
- 9) Approximate coal seam depths: 234, 272, 304, 315
- 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

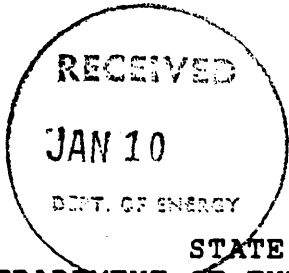
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	9 5/8		30			
Fresh Water						<i>3BCSR18 1/2</i>
Coal						<i>3BCSR18 1/2</i>
Intermediate	7"		17	1100	1100 ←	165 sks.
Production	4 1/2	J-55	10.50	3825	3825 ←	300 sks.
Tubing						<i>3BCSR18 1/2</i>
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

1734

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



- 1) Date: January 3, 1992
- 2) Operator's well number M. J. Rogers #2 E-191
- 3) API Well No: 47 - 033 - 3875
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
(a) Name Shelby & Ethel L. Robinson
Address Rt. 1, Box 100A 38
Lumberport, WV 26386
- (b) Name _____
Address _____
- (c) Name _____
Address _____

- 5) (a) Coal Operator:
Name _____
Address _____
- (b) Coal Owner(s) with Declaration
Name No Declaration of Record
Address _____

- 6) Inspector Tim Bennett
Address 737 Karl St.
Weston, WV 26452
Telephone (304)-269-6167

TO THE PERSON(S) NAMED ABOVE

_____ Included is the lease or leases or contracts by which I hold the right to explore for and produce oil and gas.
 Included is the information required by Section 8(d) of the Code of West Virginia.
 I certify that as required under Chapter 20 of the Code of West Virginia, I have served copies of this notice and accompanying documents pages 1 through _____
 Personal Service (Affidavit attached)
 Certified Mail (Postmarked postpaid)
 Publication (Notice of Publication attached)

I have read and understand Chapter 20 of the Code of West Virginia and the terms and conditions of any permit issued under Chapter 20 of the Code of West Virginia.
 I certify under penalty of law that I am familiar with the information submitted in this application and attachments, and that based on my inquiry I believe 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: [Signature]
 Its: President
 Address PO Box 1020
Bridgeport, WV 26330
 Telephone (304) 842-6927

Subscribed and sworn before me this 3rd day of January, 1992

Cathy A. Ball Notary Public
 My commission expires 3/21/94

P 637 650 635

Certified Mail Receipt
 No Insurance Coverage Provided
 Do not use for International Mail
 (See Reverse)

Sent to	<u>Shelby & Ethel L. Robinson</u>	
Street & No.	<u>Rt 1 Box 100A 38</u>	
PO, State & ZIP Code	<u>LUMBERPORT WV 26386</u>	
Postage	\$	
Certified Fee		<u>2.00</u>
Special Delivery Fee		
Restricted Delivery		
Return Receipt Showing to Whom & Date of Delivery		
Return Receipt Showing to Whom, Date, & Address of Delivery		
TOTAL Postage & Fees		<u>USPS \$</u>
Postmark of Post Office	<u>EXCEL ENERGY INC.</u> <u>P. O. BOX 1020</u> <u>BRIDGEPORT WV 26330</u> <u>E-191</u>	

PS Form 3800, June 1990