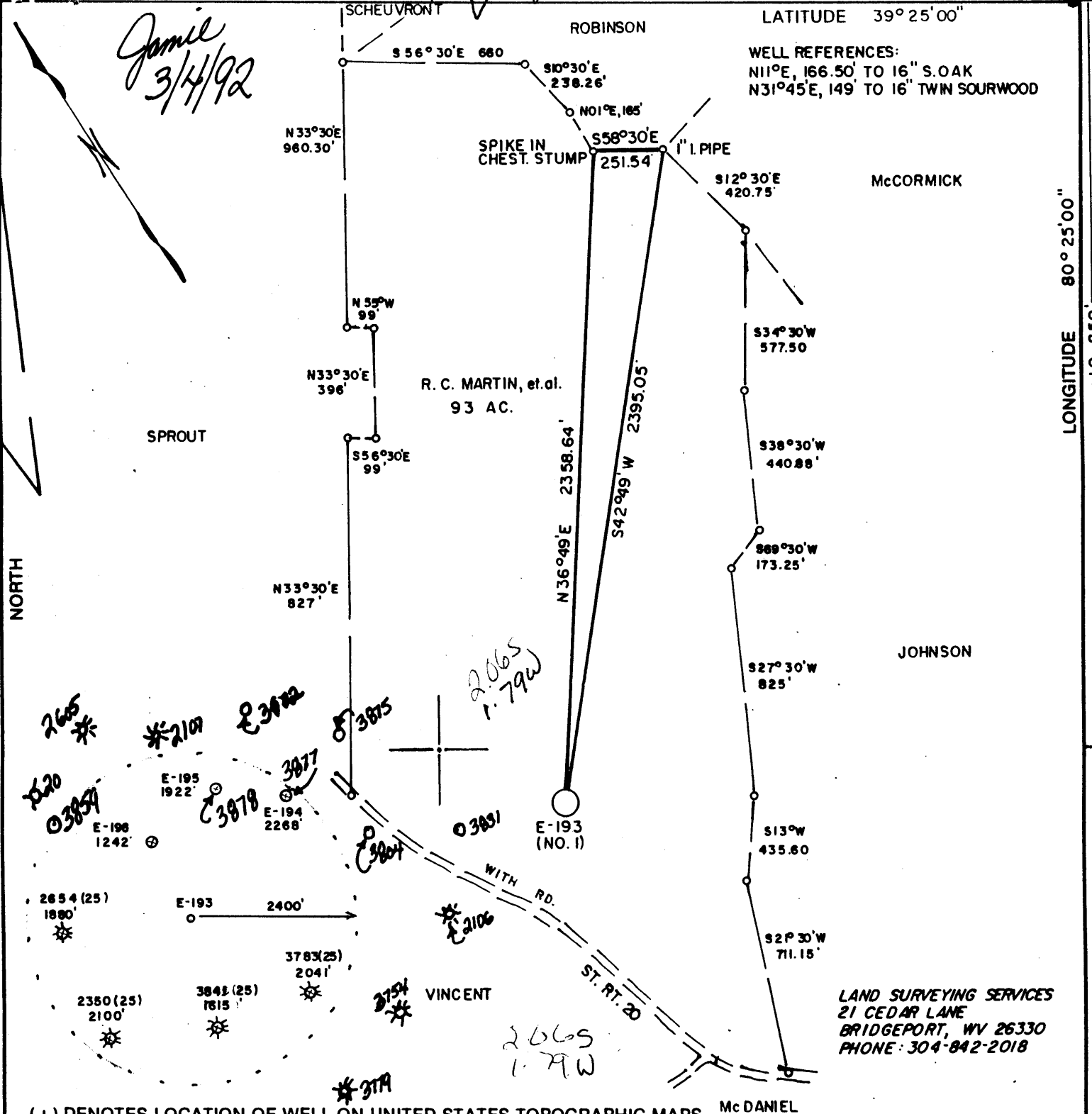


Jamil
3/4/92

SCHEUVRONT
ROBINSON
LATITUDE 39° 25' 00"
WELL REFERENCES:
N11°E, 166.50' TO 16" S.OAK
N31°45'E, 149' TO 16" TWIN SOURWOOD



LONGITUDE 80° 52' 08" W
850' 01"

NORTH

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

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION TOP OF KNOB 2350' N.E. OF LOCATION ELEV. - 1461'

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

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE DECEMBER 12, 19 91
OPERATOR'S WELL NO. E-193
API WELL NO. R. MARTIN NO. 1
47 - 033 - 3876
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1078 WATERSHED LITTLE TENMILE CREEK
DISTRICT SARDIS COUNTY HARRISON

QUADRANGLE WALLACE 7.5 min. Clarkburg W.V.
SURFACE OWNER BARCLAY L. ROGERS ACREAGE 18.13
OIL & GAS ROYALTY OWNER R.C. MARTIN, et al. LEASE ACREAGE 93

LEASE NO. 0040
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 BALLTOWN ESTIMATED DEPTH 3800'
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

MAR 6 1992

FORM WW-6

COUNTY NAME
PERMIT

11. Brown-Lumberport (104)

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

Reviewed 16

Recorded _____

Reviewed TM

Recorded _____

Well Operator's Report of Well Work

Farm name: ROGERS, BARCLAY L. Operator Well No.: MARTIN #1 E-193

LOCATION: Elevation: 1078.00 Quadrangle: WALLACE

District: SARDIS County: HARRISON
Latitude: 10850 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 9460 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: 06/01/92
Well work Completed: 06/12/92
Verbal Plugging
Permission granted on: N/A
Rotary Cable Rig
Total Depth (feet) 3850
Fresh water depths (ft) 136, 403,
and 635
Salt water depths (ft) 1480

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 288-290, 420-425

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8"	Conductor		
9 5/8"	426'	426'	80 sks
7"	1367'	1367'	135 sks
4 1/2"	3742'	3742'	280 sks

OPEN FLOW DATA

Balltown, Speechley
Producing formation and Elizabeth Pay zone depth (ft) 3112-3684
Gas: Initial open flow ---- MCF/d Oil: Initial open flow ---- Bbl/d
Final open flow 189 MCF/d Final open flow Show Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 600 psig (surface pressure) after 24 Hours
Gordon, 50',
Second producing formation Injun and 5th Pay zone depth (ft) 1728-2739
Gas: Initial open flow ---- MCF/d Oil: Initial open flow ---- Bbl/d
Final open flow Commingled MCF/d Final open flow Show Bbl/d
Time of open flow between initial and final tests ---- Hours
Static rock Pressure Commingled psig (surface pressure) after ---- 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

JUL 24 1992

By: H.L. Barnett

Date: July 13, 1992

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

- STAGE I ^{432' 433'} (3112'-3684') 15 holes, 1000 gal 15% HCL, 551 BBL H₂O, 450 sks sand.
- STAGE II ^{50' 51-54'} (2340'-2739') 18 holes, 750 gal 15% HCL, 485 BBL H₂O, 350 sks sand.
- STAGE III ^{311' 312'} (1778'-1902') 13 holes, 750 gal 15% HCL, 365 BBL H₂O, 300 sks sand.

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	288	Damp @ 136'
Coal ^{M₁₀}			288	290	
Sand			290	420	
Coal ^{P₆H}			420	425	4" wtr @ 403'
Sand & Shale			425	943	1/4" wtr @ 635'
Sand			943	1074	
Shale & Sand			1074	1225	
Coal ^A			1225	1227	
Shale & Sand			1227	1712	1/2" wtr @ 1260', damp @ 1480'
Big Lime			1712	1775	
Big Injun			1775	1853	
Shale			1853	2337	
50' Sand			2337	2353	
Sand & Shale			2353	2482	
Gordon			2482	2560	
Shale			2560	3645	
Balltown			3645	3680	
Shale			3680	3850	DTD

12101

RECEIVED

JAN 10

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

033-3876
Issued 3/5/92
Expires 3/5/94
Page ___ of ___

- 1) Well Operator: Excel Energy, Inc.
- 2) Operator's Well Number: E-193 3) Elevation: 1078'
- 4) Well type: (a) Oil or Gas
(b) If Gas: Production Underground Storage
Deep Shallow
- 5) Proposed Target Formation(s): Balltown⁴³³
- 6) Proposed Total Depth: 3800 feet
- 7) Approximate fresh water strata depths: 30, 90, 250
- 8) Approximate salt water depths: n/a *OK*
- 9) Approximate coal seam depths: 189, 227, 259, 270
- 10) Does land contain coal seams tributary to active mine? Yes No
- 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						3805A/11.3
Coal						3805A/11.2.2
Intermediate	7"		17#	1000	1000	150
Production	4 1/2	J-55	10.50	3775	3775	300 sks.
Tubing						3805A/11.1
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

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



- 1) Date: January 3, 1992
- 2) Operator's well number
R. Martin #1 E-193
- 3) API Well No: 47 - 033 - 3876
 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 Barclay L. Rogers
 Address Rt. 3, Box 1118A
Martinsburg, WV 25401
 - (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

Na _____
 Ad P 637 650 636 _____

 (c) _____
 Na _____
 Ad _____

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

Sent to <u>BARCLAY L. ROGERS</u>	
Street & No. <u>Rt 3 Box 1118A</u>	
P.O., State & ZIP Code <u>MARTINSBURG, W.VA 25401</u>	
Postage	\$ _____
Certified Fee	<u>2.00</u>
Special Delivery Fee	_____
Restricted Delivery Fee	_____
Return Receipt to Whom & Date of Delivery	_____
Return Receipt Showing to Whom, Date, & Address of Delivery	_____
TOTAL Postage & Fees	_____
Postmark	<u>BRIDGEPORT WV 1992</u>
P. O. BOX 1020 BRIDGEPORT WV E-193 194, 195	

TO THE PERSON(S) NAMED ABOVE

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

I have read and understand Chapter 22E to the terms and conditions of any permit issued.
 I certify under penalty of law that I am familiar with the information submitted on attachments, and that based on my inquiry I am responsible for obtaining the information, which 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]
 Title: President
 Address PO Box 1020
Bridgeport, WV 26330
 Telephone _____

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

My commission expires 3/21/94 [Signature] Notary Public