

8650'

LATITUDE 39°25'00"

LONGITUDE 80°25'00"

510'01"

WELL REFERENCES:  
N 84° W, 93' TO 10" SASSAFRAS  
S 56° W, 99' TO 5" HICKORY

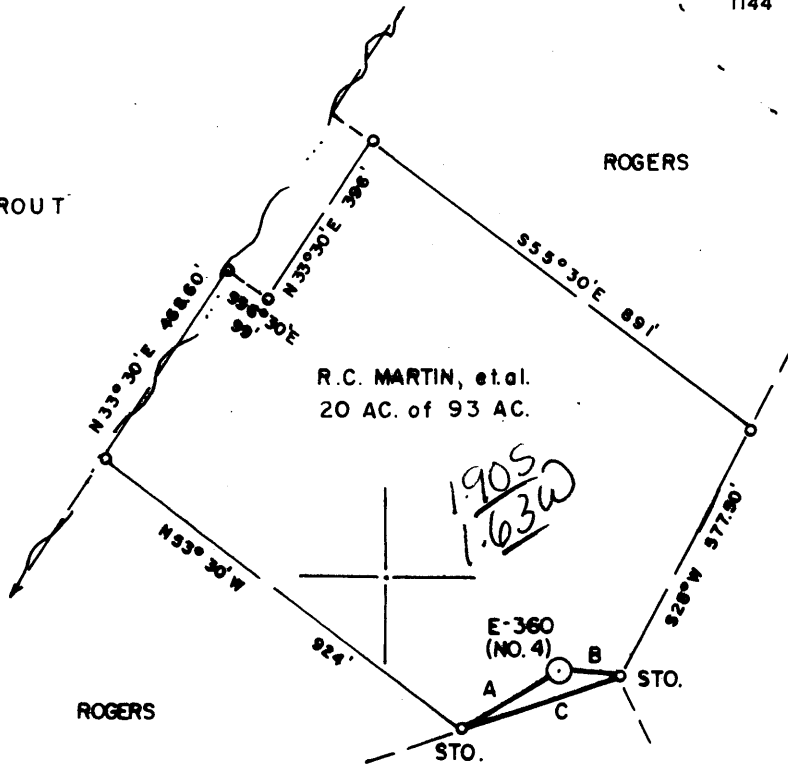
SPROUT

ROGERS

ROGERS

ROGERS

JOHNSON



R.C. MARTIN, et al.  
20 AC. of 93 AC.

E-360  
(NO. 4)

TIE LINES:

- A - N58°05'E, 232.94'
- B - S85°18'E, 129.52'
- C - S71°W, 345.64'

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" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1200' N.E. OF LOCATION ELEV. - 146'

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 JULY 20, 1994

OPERATOR'S WELL NO. E-360

API WELL NO. R.MARTIN NO. 4

47 - 033 - 4059

STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_

(IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW

LOCATION: ELEVATION 1217' WATERSHED LITTLE TENMILE CREEK

DISTRICT SARDIS COUNTY HARRISON

QUADRANGLE WALLACE 7.5 min. *Charles WC*

SURFACE OWNER BARCLAY L. ROGERS ACREAGE 13.83

OIL & GAS ROYALTY OWNER R.C. MARTIN, et al. LEASE ACREAGE 93

LEASE NO. \_\_\_\_\_

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 \_\_\_

AUG 16 1994

TARGET FORMATION BENSON ESTIMATED DEPTH 5000'

WELL OPERATOR EXPLORATION PARTNERS PRODUCING CO. DESIGNATED AGENT LOUIS FERRARI 6-6 104

ADDRESS P.O. BOX 1245 ADDRESS P.O. BOX 1245

BRIDGEPORT, WV 26330

BRIDGEPORT, WV 26330

COUNTY NAME

PERMIT

SEP 27 1994

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

Permitting  
 Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: ROGERS, BARCLAY L. Operator Well No.: MARTIN#4-E-360

LOCATION: Elevation: 1,217.00 Quadrangle: WALLACE

District: SARDIS County: HARRISON  
 Latitude: 10015 Feet South of 39 Deg. 25Min. 0 Sec.  
 Longitude 8650 Feet West of 80 Deg. 25 Min. 0 Sec.

Company: EXPLORATION PARTNERS PROD  
 P. O. BOX 1245  
 BRIDGEPORT, WV 26330-1245

Agent: LOUIS A. FERRARI

Inspector: TIM BENNETT  
 Permit Issued: 08/11/94  
 Well work Commenced: 8/27/94  
 Well work Completed: 9/5/94  
 Verbal Plugging  
 Permission granted on: \_\_\_\_\_  
 Rotary x Cable \_\_\_\_\_ Rig  
 Total Depth (feet) 5134 DTD  
 Fresh water depths (ft) 50, 514, 830  
 Salt water depths (ft) 1080

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	32'	---	---
8 5/8"	545'	545'	100 SKS
7"	926'	926'	215 SKS
4 1/2"	4978'	4978'	450 SKS

Is coal being mined in area (Y/N)? N  
 Coal Depths (ft): 42-48; 118-123; 249-252; 504-509; openmine

OPEN FLOW DATA

Producing formation Benson, Balltown, Speechley Pay zone depth (ft) 3242-4912  
 Gas: Initial open flow show MCF/d Oil: Initial open flow N/A Bbl/d  
 Final open flow 960 MCF/d Final open flow show Bbl/d  
 Time of open flow between initial and final tests 24 Hours  
 Static rock Pressure 550 psig (surface pressure) after 72 Hours

Second producing formation Gordon, 50', Injun Pay zone depth (ft) 2443-2747  
 Gas: Initial open flow show MCF/d Oil: Initial open flow N/A Bbl/d  
 Final open flow commingled MCF/d Final open flow show 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: EXPLORATION PARTNERS PRODUCING CO.

By: Louis A. Ferrari Louis A. Ferrari  
 Date: September 16, 1994

887 C 1994

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

- Stage I. (4908-4912) 16 holes, 500 gal 15% HCL, 350 sks sand, 395 bbl H2O, 60 MSCF N2
- Stage II. (3764-3782) 14 holes, 500 gal 15% HCL, 350 sks sand, 330 bbl H2O, 60 MSCF N2
- Stage III. (3292-3464) 15 holes, 500 gal 15% HCL, 250 sks sand, 204 bbl H2O, 50 MSCF N2
- Stage IV. (2442-2746) 25 holes, 750 gal 15% HCL, 250 sks sand, 320 bbl foam

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal and gas.
Sand & shale	0	42	
Sand	42	48	1/2" H2O @ 50'
Sand	48	118	
Sand	118	123	
Sand & shale	123	249	
Sand	249	252	
Sand & shale	252	504	
Greenmine	504	509	7" H2O @ 514
Sand & shale	509	980	
Sand	980	1113	
Sand & shale	1113	1740	
Clinton	1740	1772	
Sand	1772	1812	
Lime	1812	1871	
Juniper	1871	1960	
Sand	1960	2442	
Sand	2442	2536	Gas show
Sand & shale	2536	2750	
Sand	2750	3450	
Beechely	3450	3470	
Sand	3470	3760	
Milltown	3760	3790	Gas show
Sand	3790	4900	
Johnson	4900	4920	Gas show
Sand	4920	5134	DTD

JUL 26 94

033-4059  
Issued 08/11/94

Permitting  
FORM WW-2B Office of Oil & Gas

Page \_\_\_\_\_ of \_\_\_\_\_  
Expires 08/11/96

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

19555

- 1) Well Operator: Exploration Partners Producing Company 16585 (7) 655
- 2) Operator's Well Number: E-360, R. Martin #4 3) Elevation: 1217
- 4) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 5000 feet
- 7) Approximate fresh water strata depths: 75, 300
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: 339, 277, 349, 320
- 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	11 3/4"			30		
Fresh Water						
Coal						
Intermediate	8 5/8"		20#	1190	1190	CTS
Production	4 1/2"		10.5#	4050	4050	600 SKS
Tubing						
Liners						

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

358/26

For Division of Oil and Gas Use Only

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

**RECEIVED**

- 1) Date: July 22, 1994
- 2) Operator's well number  
E-360, R. Martin #4
- 3) API Well No: 47 - 033 - 4059  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- |  |   |
|--|---|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Barclay L. Rogers</u><br/>Address <u>Rt 3, Box 1118 A</u><br/><u>Martinsburg, WV 24501</u></p> <p>(b) Name <u>N/A</u><br/>Address _____</p> <p>(c) Name <u>N/A</u><br/>Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>N/A</u><br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>N/A</u><br/>Address _____</p> <p>Name _____<br/>Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>N/A</u><br/>Address _____</p> |
| <p>6) Inspector <u>Tim Bennett</u><br/>Address <u>737 Karl St.</u><br/><u>Weston, WV 26452</u><br/>Telephone (304)- <u>269-6167</u></p>  |   |

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

\_\_\_\_\_ 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)
- \_\_\_\_\_ 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 Exploration Partners Producing Company  
By: Louis A. Ferrari Louis A. Ferrari  
Its: Vice President  
Address P.O. Box 1245  
Bridgeport, WV 26330  
Telephone. (304)-842-8777

Subscribed and sworn before me this 22 day of July, 1994

Ruth Ann Rigdon Ruth Ann Rigdon Notary Public  
My commission expires July 29, 2002