

James H. Hays
11/7/1990

WELL REFERENCES:

S54°E, 155' TO POST ABOVE ROAD
WEST, 155.5' TO UTIL. POLE 54' 1/2

N80°E, 54.94'
POST & 7" LOCUST
S8°W, 41.9'
N37°E, 297'
N30°55'W,
1038.37'
S28°02'E,
1020.04'

8400'
LATITUDE 39° 15' 00"
2030'
LONGITUDE 80° 32' 30"

0.39 s
1.585 w

MT. OLIVE CHURCH

CUMBERLEDGE

BAILEY

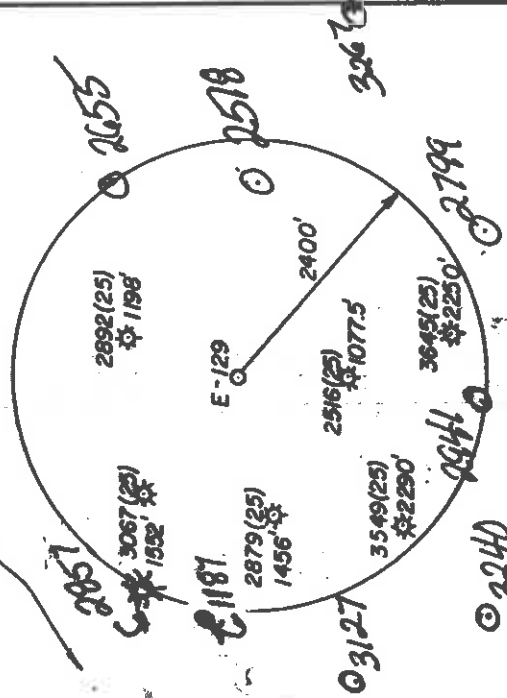
RICK WATSON
31.5 AC. SURF.

BANKET

STROTHER

28

15

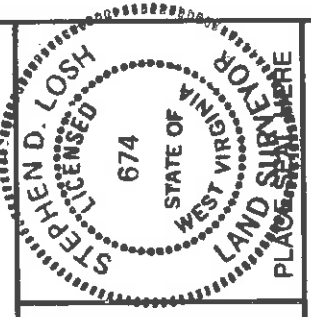


LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-642-2018

(+) 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 B.M. 1000' N. OF LOC. AT ELEV. 1276'

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) *Stephen D. Losh*
R.P.E. _____ L.L.S. NO. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE JULY 18 19 90
OPERATOR'S WELL NO. BAILEY 1
API WELL NO. E-129

47-017-038437

PERMIT

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1114' WATER SHED BUCKEYE CREEK
DISTRICT GREENBRIER COUNTY DODDRIDGE

SURFACE OWNER RICK WATSON
OIL & GAS ROYALTY OWNER PEARL BAILEY HRS. ET AL. LEASE ACREAGE 31.5
LEASE NO. _____

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 ALEXANDER ESTIMATED DEPTH 5581' *Sample and Run in*
W Exploration Partners Producing Co. Louis Ferrari NJG 9-1998
AI P.O. Box 1245 Same Address PH: 304-842-8777
Bridgeport, W.Va. 26330-1245

Dodo
COUNTY NAME

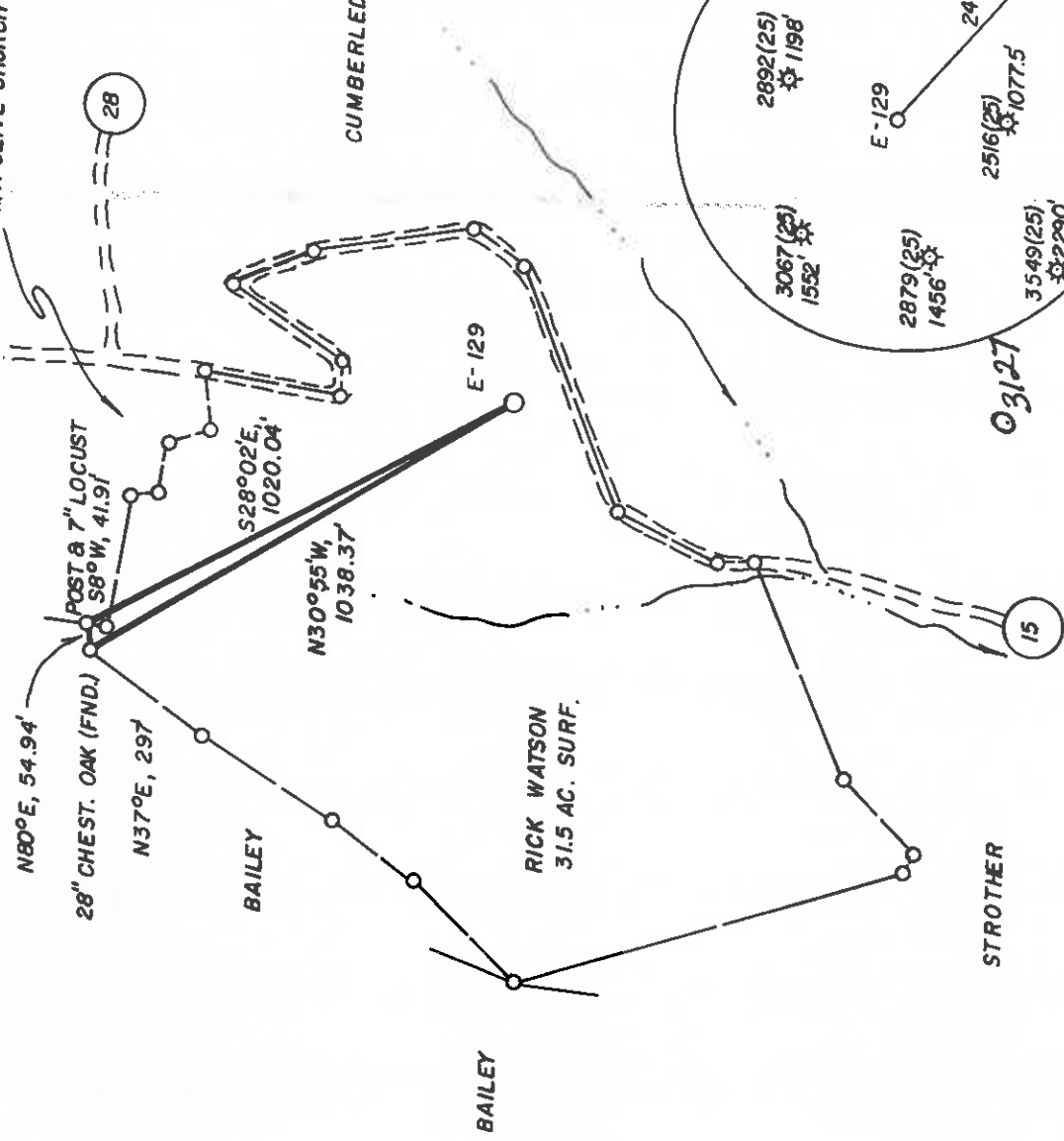
3843
PERMIT

Jamie 7/24/90

WELL REFERENCES:

S54°E, 155' TO POST ABOVE ROAD
WEST, 155.5' TO UTIL. POLE 54 1/2

7.5'



8400'

LATITUDE 39° 15' 00"

LONGITUDE 80° 32' 30"

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

0.37 S
3.80 W

3240
3634

(+) 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 B.M. 1000' N OF LOC.
AT ELEV. 1276'

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENERGY.
(SIGNED) *[Signature]*

R.P.E. _____ I.L.S. NO. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

DATE JULY 18, 19 90
OPERATOR'S WELL NO. BAILEY 1
API WELL NO. E-129

47-017-3843

STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1114' WATERSHED BUCKEYE CREEK
DISTRICT GREENBRIER 4 COUNTY DODDRIDGE

QUADRANGLE BIG ISAAC Wadis NE
SURFACE OWNER RICK WATSON
OIL & GAS ROYALTY OWNER PEARL BAILEY HRS, ET.AL LEASE ACREAGE 31.5

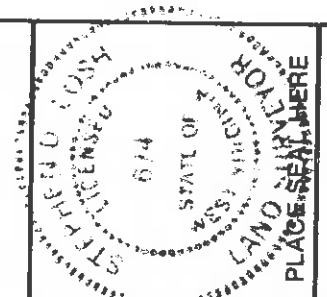
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PERMIT
AUG 6 1990

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5600'
WELL OPERATOR EXCEL ENERGY, INC. DESIGNATED AGENT HARRY BARNETT
ADDRESS P. O. BOX 1020 1028 ADDRESS P. O. BOX 1020

BRIDGEPORT, WV 26330

6-6 Meathouse Fork-Bristol (146)



COUNTY NAME

RECEIVED
WV Division of
Environmental Protection

JAN 07 1998

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: WATSON, RICK Operator Well No.: BAILEY #1 E-129

LOCATION: Elevation: 1,114.00 Quadrangle: BIG ISAAC

District: GREENBRIER County: DODDRIDGE
Latitude: 2030 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude 8400 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Exploration Partners Prod
P.O. Box 930
Bridgeport, WV 26330-1245

Agent: Louis A. Ferrari

Inspector: MIKE UNDERWOOD
Permit Issued: 07/30/96
Well Work Commenced: 08/04/97
Well Work Completed: 08/18/97

Verbal Plugging
Permissison granted on: _____
Rotary Cable _____ Rig _____
Total Depth (feet) _____
Fresh water depths (ft) _____
Salt water depths (ft) _____

Is coal being mined in area (Y/N)? _____
Coal Depths (ft): _____

OPEN FLOW DATA

Producing formations RILEY, BRADFORD, BALLTOWN Pay zone depth (ft) 2969-4928
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/
Final open flow 671 MCF/d Final open flow _____ Bbl/
Time of open flow between initial and final tests _____ 24 _____ Hour
Static rock pressure 250 psig (surface pressure) after _____ 24 _____ Hour

Second producing formation Speechley, 5th, Bayard Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial Open flow _____ Bbl/
Final open flow Commingled MCF/d Final open flow _____ Bbl/
Time of open flow between initial and final tests _____ _____ Hour
Static rock pressure Commingled sig (surface pressure) after _____ _____ Hour

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.

Louis A. Ferrari
For: EXPLORATION PARTNERS LLC
By: _____
Date: November 18, 1997
JAN 09 1998
Louis A. Ferrari

Casing & Tubing Size	Used in Drilling in Well	Left in Well	Cement Fill Up Cu. Ft.
SEE ORIGINAL WR-35			
NO ADDITIONAL CASING RUN			
(STIMULATE UPPER PAYS)			

FORM IV-36
(REVERSE)

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

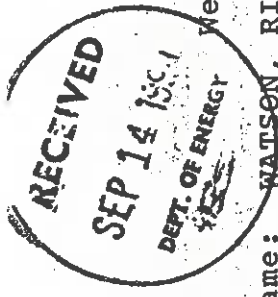
STAGE I (4226-4928) 20 HOLES 1000 gal 158 HCL, 15,000 SAND, 105 DBL GELLED H2O, SCREEN OUT @ PERFS.

STAGE II (3476-3740) 12 HOLES 500 GAL 158 HCL, 23,000 SAND , 298 DBL GELLED H2O, PARTIAL SCREEN OUT @ PERFS.

STAGE III (2969-3070) 14 HOLES 500 GAL 158 HCL, 22,000 SAND, 290 DBL GELLED H2O.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal and gas
			JUL 19 1993



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

Well Operator's Report of Well Work

Farm name: WATSON, RICK Operator Well No.: BAILEY#1-E-129
 LOCATION: Elevation: 1114.00 Quadrangle: BIG ISAAC

District: GREENBRIER County: DODDRIDGE
 Latitude: 2030 Feet South of 39 Deg. 15 Min. 0 Sec.
 Longitude 8400 Feet West of 80 Deg. 32 Min. 30 Sec.

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

Agent: HARRY L. BARNETT

Inspector: MIKE UNDERWOOD
 Permit Issued: 07/30/90
 Well work Commenced: 08/16/90
 Well work Completed: 08/22/90
 Verbal Plugging
 Permission granted on: _____
 Rotary X Cable _____ Rig _____
 Total Depth (feet) 5581'
 Fresh water depths (ft) 100', 107'
 & 455'
 Salt water depths (ft) N/A

Is coal being mined in area (Y/N) No.
 Coal Depths (ft): 210'-216', 452'-455'

OPEN FLOW DATA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	23'	23'	CTS
8 5/8"	1190'	1190'	275 SKS
4 1/2"	5464'	5464'	605 SKS

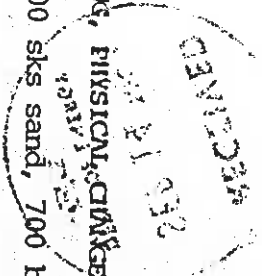
Producing formation Benson Pay zone depth (ft) 5029-5058
 Gas: Initial open flow Show MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 999 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 1600 psig (surface pressure) after _____ 48 Hours
 Second producing formation Alexander-Leopold Pay zone depth (ft) 5376-5386
 Gas: Initial open flow Show MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow commingled MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ 48 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]
 Date: September 5, 1990

SEP 24 1990



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

STAGE I (5257'-5390') 14 holes, 500 gal 15% HCL, 400 sks sand, 700 bbl 75 Q foam.
 STAGE II (5044'-5052') 15 holes, 500 gal 15% HCL, 400 sks sand, 650 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
Fill	0	10	
Sand & Shale	10	210	Damp @ 100', 1/4" stream of water @ 107'
Coal	210	216	
Sand & Shale	216	452	
Coal	452	455	1/4" stream of water @ 455'
Sand & Shale	455	1641	
Sand	1641	1824	
Sand & Shale	1824	2100	
Big Lime	2100	2180	Oil Odor
Big Injun	2180	2247	
Sand & Shale	2247	2761	
Shale	2761	5029	
Benson	5029	5058	Gas Show
Shale	5058	5376	Gas Show
Alexander	5376	5386	
Shale	5386	5581	DTD

11024

SEP 24 1990

47-017-3843
Issued 7/30/90

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

Page 7 of 7
Expires 7/30/92

- 1) Well Operator: Excel Energy, Inc. /6570 (4) 252
- 2) Operator's Well Number: E-129 3) Elevation: 1114'
- 4) Well type: (a) Oil / or Gas X
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 5600' feet
- 7) Approximate fresh water strata depths: 150', 400', 193'
- 8) Approximate salt water depths: N/A 1366'
- 9) Approximate coal seam depths: 24'-30' 195' 1366'-1369' 427'-429'
- 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	
Conductor	11 3/4"		42#	30'	-----	Fill-up (cu. ft.)
Fresh Water						
Coal						
Intermediate	8 5/8"		23#	1165'	1165'	
Production	4 1/2"	J-55	10.50#	5500'	5500'	300 sks
Tubing						300 sks
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

RECEIVED
JUL 30 1990

For Division of Oil and Gas Use Only
Fee(s) paid: Plat WW-9 WW-2B Reclamation Fund WPCP
Agent

RECEIVED
JUL 30 1990

Page 1 of _____
Form W2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY 3)

Date: July 26, 1990
Operator's well number
Bailey E-129
API Well No: 47 - 017 - 3843
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 Rick Watson
Address _____

5) (a) Coal Operator:
Name _____
Address _____

(b) Name _____
Address _____

(b) Coal Owner(s) with Declaration
Name N/A
Address _____

(c) Name _____
Address _____

Name _____
Address _____

6) Inspector Mike Underwood

Address Rt. 2, Box 135

Salem, WV 26426

(c) Coal Lessee with Declaration
Name _____
Address _____

Telephone (304) - _____

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 Excel Energy, Inc.

BY: H. I. Barnett H. I. Barnett

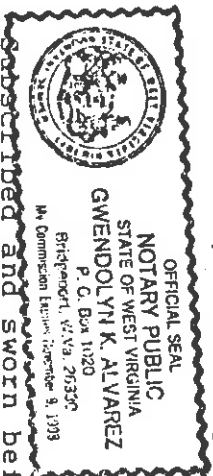
Its: President

Address P. O. Box 1020

Bridgeport, WV 26330

Telephone (304) 842-6927

_____ July _____, 1990



Described and sworn before me this 26th day of _____, 1990

My commission expires November 9, 1998 _____ Notary Public

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

Well Operator: Exploration Partners Producing Company 16585 (4) 252

Operator's Well Number: E-129 (Bailey) #1 3) Elevation: 1114'

Well type: (a) Oil ___ / Gas x / Drilled 07/30/96
(b) If Gas: Production x / Underground Storage ___ / Expires 07/30/98
Deep ___ / Shallow x /

5) Proposed Target Formation(s): Alexander 5257'-5390' Benson 5044'-5052'

6) Proposed Total Depth: 5600'

7) Approximate fresh water strata depths: 150', 400',

8) Approximate salt water depths: N/A

9) Approximate coal seam depths: 195'

10) Does land contain seams tributary to active mine? Yes / No x

11) Proposed Well Work: FRAC (RILEY, BRADFORD, BALLTOWN, SPEECHLY, 5th)

12) Set temporary Plugback Remove Plugback
CASING AND TUBING PROGRAM With Original Production

RECEIVED
WV Division of
Environmental Protection
JUL 03 1998
Permitting
Office of Oil & Gas

TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT

TYPE	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill - up (cu. ft)
Conductor	11 3/4		42#	30		
Fresh Water						
Coal					1190'	275 Sks
Intermediate	8 5/8		23#	1165'	1165'	200 Sks
Production	4 1/2	J-55	10.50#	5500'	5500'	300 Sks
Tubing					5464'	605 Sks
Liners					5464'	

PACKERS : Kind
Sizes
Depths set

Checked and approved

13/20
[] Fee(s) paid: [] MW-9 [] MW-2B [] Reclamation Fund
[] Plat [] Agent

1) Date: June 18, 1996
2) Operator's Well Number
E-129 (Bailey)
3) API Well No: 47- 017 - 3843-F
state-county-permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

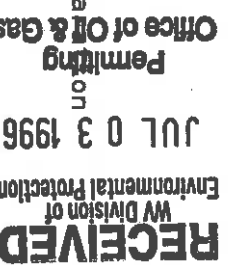
4) Surface owner(s) to be served:

(a) Name Rick Watson
Address Rt. 3 Box 1
Salem WV 26426

(b) Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name N/A
Address _____

(c) Name _____
Address _____

Name _____
Address _____



6) Inspector Mike Underwood
Address Rt. 2 Box 114
Salem WV 26426
Telephone () - -

(c) Coal Lessee with Declaration
Name N/A
Address _____

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 page 1 through _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
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- _____ Publication (Notice of Publication attached)

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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 Co.
By: Louis A. Ferrari
Its: Vice President
Address: P.O. Box 1245
Briddeport, WV 26330

Telephone: (304) 842-8777

Notary Public

Subscribed and sworn before me on the 18 day of June, 1996
Ruth Ann Riddon Ruth Ann Riddon
My commission expires July 29, 2002