

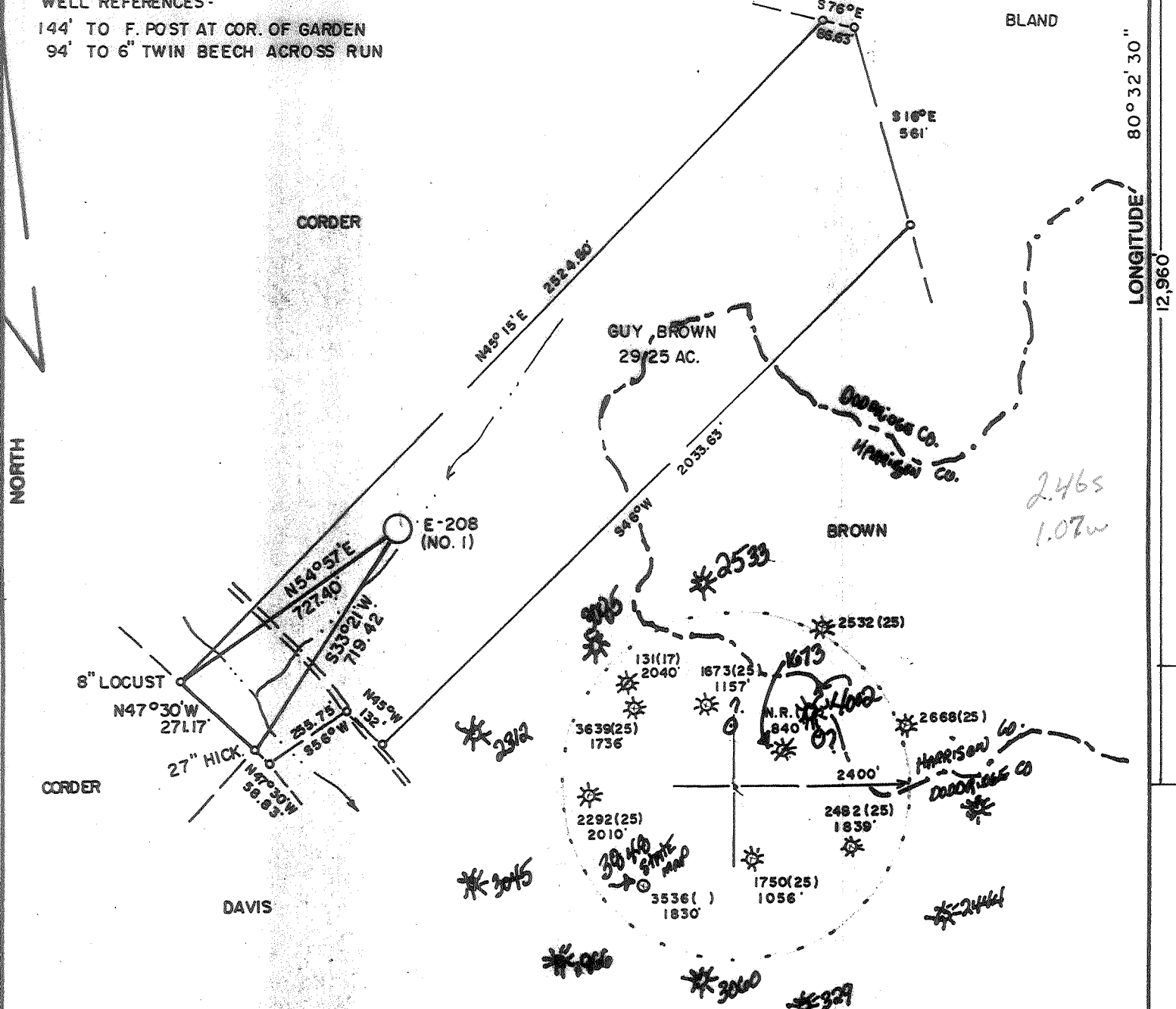
LAND SURVEYING SERVICES  
 21 CEDAR LANE -  
 BRIDGEPORT, WV 26330  
 PHONE: 304-842-2018

LATITUDE 39°15'00"

*Janice  
 7/31/92*

WELL REFERENCES:

144' TO F. POST AT COR. OF GARDEN  
 94' TO 6" TWIN BEECH ACROSS RUN



(+) 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 RD. INTER. 400' S.W. OF LOCATION ELEV. 1014'

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 APRIL 01, 1992  
 OPERATOR'S WELL NO. E-208  
 API WELL NO. GUY BROWN NO. 1

**47-017-03953-F**  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1027' WATERSHED BIG ISAAC CREEK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7.5 min.

SURFACE OWNER GUY BROWN ACREAGE 28.84  
 OIL & GAS ROYALTY OWNER GUY BROWN, et. al. LEASE ACREAGE 29  
 LEASE NO. 184

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

*Set temporary plug per Bradford & Callahan Cominse*

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5600'

W AI Exploration Partners Producing Co.  
 P.O. Box 1245  
 Bridgeport, W.V. 26330-1245

DESIGNATED AGENT  
 ADDRESS \_\_\_\_\_

*Wick Benson & Alexander*  
 Louis Ferrari  
 Same Address AUG 2 1996  
 PH: 304-842-8777

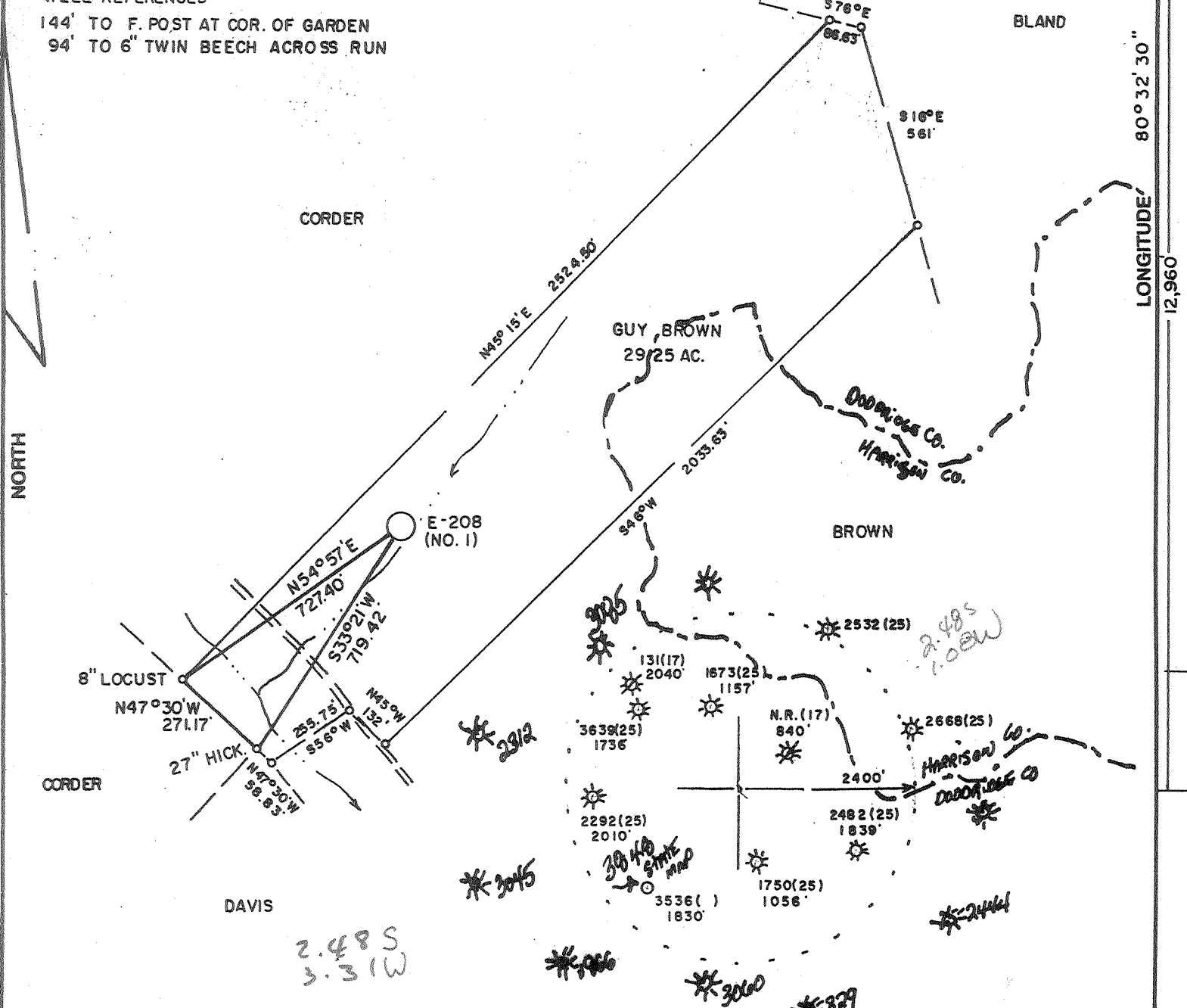
LONGITUDE 80°32'30"  
 12,960"  
 COUNTY NAME 0000  
 PERMIT 3953

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

5725'  
 LATITUDE 39°15'00"

*Janice  
 4/16/92*

WELL REFERENCES:  
 144' TO F. POST AT COR. OF GARDEN  
 94' TO 6" TWIN BEECH ACROSS RUN



(+) 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 RD. INTER. 400' S.W. OF LOCATION ELEV. - 1014'

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. 674  
 STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE APRIL 01, 1992  
 OPERATOR'S WELL NO. E-208  
 API WELL NO. GUY BROWN NO. 1  
 47-017-3953  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1027' WATERSHED BIG ISAAC CREEK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7.5 min. *Vadis NE*  
 SURFACE OWNER GUY BROWN ACREAGE 28.84  
 OIL & GAS ROYALTY OWNER GUY BROWN, et. al. LEASE ACREAGE 29  
 LEASE NO. 184  
 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 5600'  
 WELL OPERATOR EXCEL ENERGY, INC. 1028 DESIGNATED AGENT HARRY BARNETT  
 ADDRESS P.O. BOX 1020 ADDRESS P.O. BOX 1020  
 BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

COUNTY NAME  
 PERMIT

*APR 21 1992*

*4-16 Menthause Park - Bristol (WV)*

FEB 18 1997

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: BROWN, GUY R. Operator Well No.: BROWN #1-E-208

LOCATION: Elevation: 1,027.00 Quadrangle: BIG ISAAC

District: GREENBRIER County: DODDRIDGE  
Latitude: 12960 Feet South of 39 Deg. 15 Min. 00 Sec.  
Longitude 5725 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: 12/15/96  
Well Work Completed: 12/16/96  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary x Cable \_\_\_\_\_ Rig  
Total Depth (feet) \*\*\*\*\*  
Fresh water depths (ft) \_\_\_\_\_  
\*\*\*\*\*  
Salt water depths (ft) \*\*\*

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

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
			sk
	SEE ORIGINAL NO ADDITIONAL CASING RUN		

OPEN FLOW DATA

Producing formations BRADFORD, BALLTOWN Pay zone depth (ft) 3540-4340  
Gas: Initial open flow SHOW MCF/d Oil: Initial open flow N/A Bbl/  
Final open flow 228 MCF/d Final open flow N/A Bbl/  
Time of open flow between initial and final tests N/A Hour  
Static rock pressure 585 psig (surface pressure) after 24 Hour  
  
Second producing formation ---- Pay zone depth (ft) ----  
Gas: Initial open flow ---- MCF/d Oil: Initial Open flow ---- Bbl/  
Final open flow ---- MCF/d Final open flow ---- Bbl/  
Time of open flow between initial and final tests ---- Hour  
Static rock pressure ---- psig (surface pressure) after ---- Hour

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATE 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.

FEB 21 1997

By: Louis A. Ferrari Louis A. Ferrari  
Date: February 13, 1997

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

STAGE I (4320-4340) 16 holes, 500 gal. 15% HCL, 250 sks Sand, 407 BBL H2O

STAGE II (3540-3698) 12 holes, 500 gal. 15% HCL, 250 sks Sand, 332 BBL H2O

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal and gas
SEE ORIGINAL FOR FORMATION INFORMATION			

RECEIVED

WV Dept. of Environmental Protection

JUN 26

Permitting Office of Oil & Gas

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

16-Apr-92 API # 47-17-03953

Reviewed TMG Recorded

Farm name: BROWN, GUY R Operator Well No.: BROWN 1 E 208

LOCATION: Elevation: 1827.00 Quadrangle: BIG ISAAC

District: GREENBRIER County: DODDRIDGE Latitude: 12960 Feet South of 39 Deg. 15Min. 0 Sec. Longitude 5725 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: 04/20/92 Well work Commenced: 5/19/92 Well work Completed: 5/29/92

Verbal Plugging Permission granted on: Rotary x Cable Rig Total Depth (feet) 5400 dtd Fresh water depths (ft) 13, 56, 121 Salt water depths (ft) 1540, 1630 Is coal being mined in area (Y/N)? N Coal Depths (ft): 250-51, 560-70

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement Fill Up Cu. Ft. Rows include sizes 13 7/8", 11 3/4", 8 5/8", and 4 1/2" with corresponding drilling and well lengths.

OPEN FLOW DATA

Producing formation Alexander, Benson Pay zone depth (ft) 4844-5192 Gas: Initial open flow 907 MCF/d Oil: Initial open flow n/a Bbl/d Final open flow 475 MCF/d Final open flow n/a Bbl/d Time of open flow between initial and final tests 8 Hours Static rock Pressure 1400 psig (surface pressure) after 24 Hours

Second producing formation Pay zone depth (ft) Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d Final open flow MCF/d Final open flow Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure 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

By: H. L. Barnett Date: June 24, 1992

JUL 13 1992

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

Stage I (5187-5192) 15 holes, 500 gal 15% HCL, 500 sks. sand, 600 bbl H<sub>2</sub>O  
 Stage II (4844-4859) 15 holes, 500 gal 15% HCK, 640 sks. sand, 650 bbl. 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
SAND & SHALE			0	64	
SHALE & SAND			64	250	1/2" H <sub>2</sub> O 13', 2" H <sub>2</sub> O 56'
COAL			250	251	1/4" H <sub>2</sub> O 121'
SAND & SHALE			251	560	
COAL & SHALE			560	570	
SAND & SHALE			570	997	
SAND			997	1234	
SAND & SHALE			1234	1920	
BIG LIME			1920	2072	
SHALE			2072	2540	
SAND			2540	2600	Gas Show
SHALE			2600	2650	
SAND			2650	2700	Gas Show
SHALE			2700	4827	
BENSON			4827	4860	Gas Show
SHALE			4860	5150	
ALEXANDER			5150	5190	Gas Show
SHALE & SAND			5190	5400	DTD

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

Stage I (5187-5192) 15 holes, 500 gal 15% HCL, 500 sks. sand, 600 bbl H<sub>2</sub>O  
 Stage II (4844-4859) 15 holes, 500 gal 15% HCL, 640 sks. sand, 650 bbl. H<sub>2</sub>O

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh oil, salt water, coal, oil and gas
SAND & SHALE			0	64	1/2" H <sub>2</sub> O 13', 2" H <sub>2</sub> O 56'
SHALE & SAND			64	250	1/4" H <sub>2</sub> O 121'
COAL			250	251	
SAND & SHALE			251	560	
COAL & SHALE			560	570	
SAND & SHALE			570	997	
SAND			997	1234	
SAND & SHALE			1234	1920	
BIG LIME			1920	2072	
SHALE			2072	2540	
SAND			2540	2600	Gas Show
SHALE			2600	2650	
SAND			2650	2700	Gas Show
SHALE			2700	4827	
BENSON			4827	4860	Gas Show
SHALE			4860	5150	
ALEXANDER			5150	5190	Gas Show
SHALE & SAND			5190	5400	DTD

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

5588

(4) 252

Well Operator: Exploration Partners Producing Company

16585

Operator's Well Number: E-208 (Guy Brown #1)

3) Elevation: 827'

Well type: (a) Oil \_\_\_/

or

Gas x/

Issued 07/30/96

(b) If Gas: Production x/ Underground Storage \_\_\_/

Deep \_\_\_/

Shallow x/

Expires 07/30/98

5) Proposed Target Formation(s): Alexander <sup>435</sup> 5187' - 5192'

Benson 4844' - 4859'

6) Proposed Total Depth: ~~5600'~~ 5400'

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Environmental Protection

7) Approximate fresh water strata depths: 40, 1600, 620

JUL 03 1996

8) Approximate salt water depths: 1675

Permitting  
Office of Oil & Gas

9) Approximate coal seam depths: 570-574, 620-624

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

11) Proposed Well Work: FRAC (BRADFORD, BALLTOWN)

12) *Set temporary plug frac /*

*Remove plug commingle with*

CASING AND TUBING PROGRAM

*Alexander & Benson*

TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT

	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill - up (cu. ft)
Conductor	11 3/4			20	75'	
Fresh Water						
Coal					1063'	280 SKS
Intermediate	8 5/8		20	1050	<del>1050</del>	To Surface
Production	4 1/2	J-55	10.50	5350	<del>5350</del>	<del>450 cks</del>
Tubing					5265'	300 SKS.
Liners						

*Extraneous from Well Records*

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-28  Bond  Agent  
(Type) *Blanket*

22264



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WV Division of  
Environmental Protection

JUL 03 1996

- 1) Date: June 14, 1996
- 2) Operator's Well Number  
E-208 (Guy Brown #1)
- 3) API Well No: 47- \_\_\_\_\_ - \_\_\_\_\_  
state-county-permit

Permitting  
Office of Oil & Gas

REFRAC

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 Guy R. Brown<br/>Address Rt. 3 Box 99<br/>Salem WV 26426</p> <p>(b) Name John &amp; Barbara E. Hart<br/>Address Rt. 3 Box 21<br/>Salem WV 26426</p> <p>(c) Name<br/>Address</p> | <p>5) (a) Coal Operator:</p> <p>Name N/A<br/>Address</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name<br/>Address</p> <p>(c) Coal Lessee with Declaration</p> <p>Name N/A<br/>Address</p> |
| <p>6) Inspector Mike Underwood<br/>Address Rt. 2 Box 114<br/>Salem WV 26426<br/>Telephone ( ) -</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

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 page 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 Exploration Partners Producing Co.  
 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 on this 14 day of June, 1996  
Ruth Ann Rigdon *Ruth Ann Rigdon* Notary Public  
 My commission expires July 29, 2002