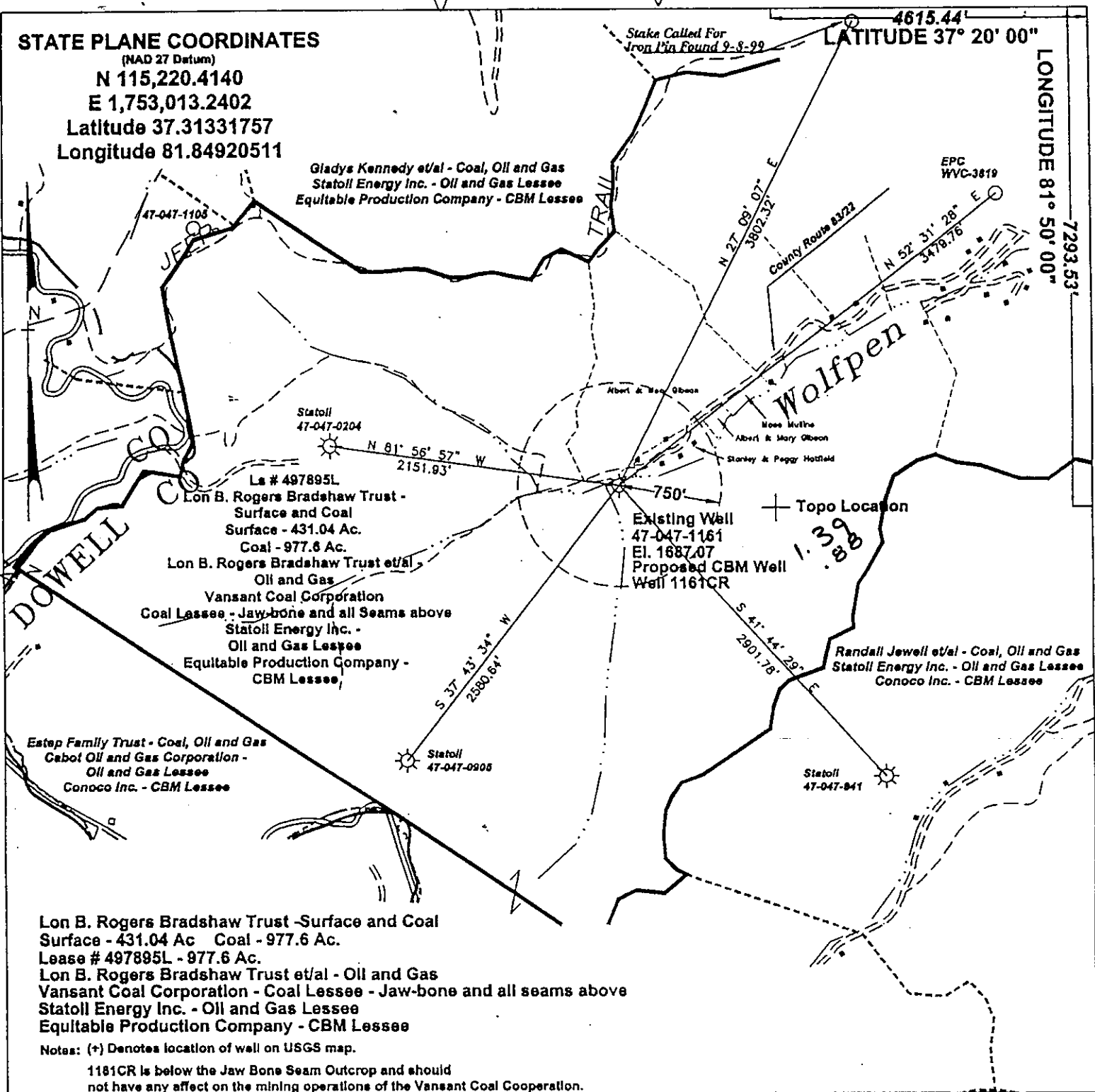


**STATE PLANE COORDINATES**

(NAD 27 Datum)  
**N 115,220.4140**  
**E 1,753,013.2402**  
**Latitude 37.31331757**  
**Longitude 81.84920511**

4615.44  
**LATITUDE 37° 20' 00"**  
**LONGITUDE 81° 50' 00"**  
 7293.53



**Lon B. Rogers Bradshaw Trust - Surface and Coal**  
 Surface - 431.04 Ac Coal - 977.6 Ac.  
 Lease # 497895L - 977.6 Ac.  
**Lon B. Rogers Bradshaw Trust et/al - Oil and Gas**  
**Vansant Coal Corporation - Coal Lessee - Jaw-bone and all seams above**  
**Statoll Energy Inc. - Oil and Gas Lessee**  
**Equitable Production Company - CBM Lessee**

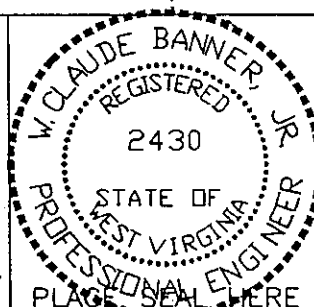
Notes: (+) Denotes location of well on USGS map.

1161CR is below the Jaw Bone Seam Outcrop and should not have any affect on the mining operations of the Vansant Coal Cooperation.

FILE No. B-10-00-2SP  
 DRAWING NAME \47-047-1161\1161CR  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 : 2500  
 PROVEN SOURCE OF ELEVATION Global Positioning System (GPS)

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 MINES.

(SIGNED) W. Claude Banner, Jr.  
 R.P.E. 2430 R.P.S.



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

DATE AUGUST 10 2000  
 OPERATOR'S WELL No. 1161CR  
 API WELL No. \_\_\_\_\_  
47 - 047 - 1161C  
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS CBM LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW  
 LOCATION: ELEVATION 1687.07 WATER SHED WOLF PEN BRANCH OF BRADSHAW CREEK OF DRY FORK  
 DISTRICT SANDY RIVER COUNTY McDOWELL  
 QUADRANGLE BRADSHAW, WV

SURFACE OWNER LON B. ROGERS BRADSHAW TRUST ACREAGE ± 431.04 TAX MAP 344 P/O 343-3  
 CBM ROYALTY OWNER LON B. ROGERS BRADSHAW TRUST ET/AL LEASE ACREAGE 3836.13  
 LEASE No. 497895L

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

PLUG AND ABANDON CLEAN OUT AND REPLUG

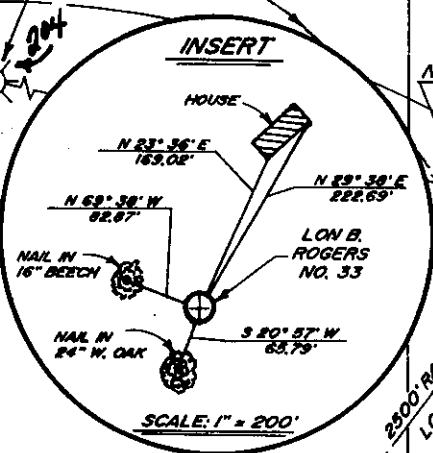
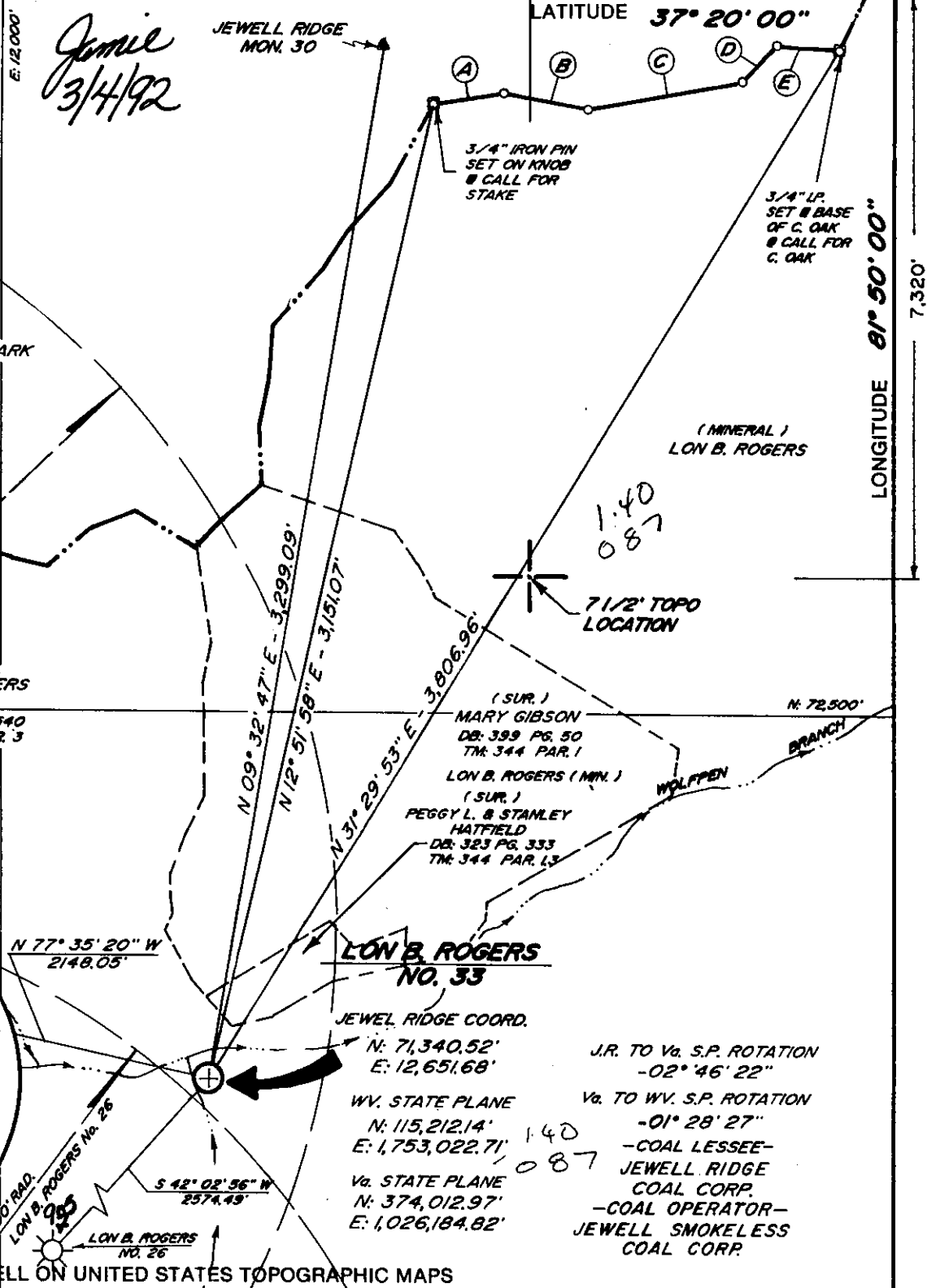
TARGET FORMATION PENNSYLVANIAN COALS  
 WELL OPERATOR EQUITABLE PRODUCTION COMPANY  
 ADDRESS 1710 PENNSYLVANIA AVENUE

ESTIMATED DEPTH \_\_\_\_\_  
 DESIGNATED AGENT LARRY AYLESTOCK  
 ADDRESS P.O. BOX 1550

SEP 06 2000

Mc Dow 1161C

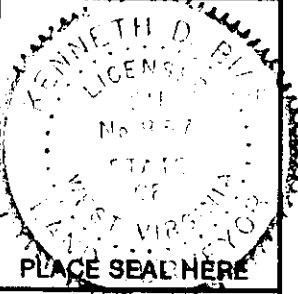
LEG	BEARING	DISTANCE
A	N 81° 28' 58" E	226.20'
B	S 79° 29' 02" E	271.30'
C	N 79° 44' 58" E	497.50'
D	N 42° 39' 12" E	158.00'
E	S 85° 49' 10" E	200.82'



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:2500  
 PROVEN SOURCE OF ELEVATION JEWELL RIDGE MON. 30  
 ELEV. 2312.18'

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) Kenneth D. Diod  
 R.P.E. \_\_\_\_\_ L.L.S. 837-SU



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

DATE DEC. 13, 19 91  
 OPERATOR'S WELL NO. LON B. ROGERS No. 33  
 API WELL NO. 47-047-1161  
 STATE 47 COUNTY 047 PERMIT 1161

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

LOCATION: ELEVATION 1676.23' WATER SHED WOLFFPEN BRANCH OF BRADSHAW CREEK OF DRY BRANCH OF TUG RIVER  
 DISTRICT SANDY RIVER COUNTY McDOWELL  
 QUADRANGLE BRADSHAW Tager 50

SURFACE OWNER LON B. ROGERS ACREAGE 431.04 (Part of Tr. 45)  
 OIL & GAS ROYALTY OWNER LON B. ROGERS LEASE ACREAGE 10.193  
 LEASE NO. 5859

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 DEVONIAN SHALE ESTIMATED DEPTH 6,800' KB  
 WELL OPERATOR ASHLAND EXPLORATION INC. DESIGNATED AGENT BOBBY E. WIDENER  
 ADDRESS P.O. BOX 391 ASHLAND, KY. 41114 ADDRESS P.O. BOX 379 BRENTON, WV 24818

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

Reviewed *[Signature]*

Well Operator's Report of Well Work

Farm Name: ROGERS, LON B. Operator Well No.: 1161 CR (Rogers 33)

LOCATION: Elevation: 1,687.07 Quadrangle: BRADSHAW  
District: SANDY RIVER County: McDOWELL

Latitude: 7293.53 Feet South of Deg. 37 Minutes 20 Seconds 0  
Longitude: 4615.44 Feet West of Deg. 81 Minutes 50 Seconds 0

Company: EQUITABLE PRODUCTION COMPANY  
P.O. Box 2347, 1710 Pennsylvania Avenue  
Charleston, WV 25328

Agent: Steve Perdue

Inspector: OFIE HELMICK

Permit Issued: 9/7/00

Well work commenced: 09/23/00

Well work completed: 10/16/00

Verbal Plugging

Permission granted on: \_\_\_\_\_

Rotary Rig  Cable Rig \_\_\_\_\_

Total Depth 4583 feet

Fresh water depths (ft) \_\_\_\_\_

Salt water depths (ft) \_\_\_\_\_

Is coal being mined in area? \_\_\_\_\_

Coal Depths (ft): \_\_\_\_\_

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
4-1/2"	4547'	4547'	403 FT <sup>3</sup>
2-3/8"		4430'	w/8-5/8" packer @ 1373'
1-1/2"		1365'	

Office of Oil and Gas  
Permitting  
FEB 22 2001  
WV Division of Environmental Protection

OPEN FLOW DATA

Producing formation Firecreek/Poco 8,6,4,3

Pay Zone Depth (ft): \_\_\_\_\_ See Attach for details

Gas: Initial open flow 0 Bbl/d  
Final open flow 94  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure 180 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow: \_\_\_\_\_ MCF/d Final open flow: \_\_\_\_\_  
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: BLAZER ENERGY CORPORATION

By: *[Signature]*  
Date: 2/20/01

McDOW 1161

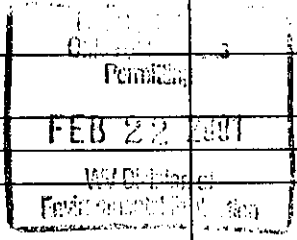
MAR 02 2001

**EQUITABLE PRODUCTION COMPANY  
WR-35 COMPLETION REPORT - Attachment  
Well Treatment Summary**

Well: Rogers 1161 CR

API# 47-047-01161

Date	10/5/2000					
Type Frac Acid, N <sub>2</sub> , Foam, Water	70 Q Foam					
Zone Treated	Firecreek Poco 8,6,4,3					
# Perfs From - To:	23 804-1215					
BD Pressure @ psi	1990					
ATP psi	3500					
Avg. Rate, B=B/M, S= SCF/M	10 B Foam					
Max. Treat Press psi	4000					
ISIP psi	1977					
Frac Gradient	2.01					
10 min S-I Pressure	1400 5 min					
Material Volume						
Sand-sks	200					
Water-bbl	548					
SCF N <sub>2</sub>	230,000					
Acid-gal	2720 gal 7.5%					
NOTES:						



TOP

BASE

FORMATION

REMARKS\*  
PREVIOUSLY REPORTED

4-1/2" csg cut @ 1600'  
2-3/8" @ 4430' w/8-5/8"x2-3/8" pkr @ 1373'  
1.9" @ 1365'

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

Well Operator's Report of Well Work

Farm Name: ROGERS, LON B

Operator Well No.: 33 137761

Location: Elevation: 1,676.20

Quadrangle: BRADSHAW

District: SANDY RIVER County: McDOWELL  
Latitude: 7320 Feet South of 37 Deg. 20 Min. 0 Sec.  
Longitude: 4630 Feet West of 81 Deg. 50 Min. 0 Sec.

Company: ASHLAND EXPLORATION, INC.  
P.O. BOX 391, AT-6  
ASHLAND, KY 41114-0391

Agent: B. E. Widener

Inspector: OFIE HELMICK  
Permit Issued: 03-09-92  
Well Work Commenced: 08-15-93  
Well Work Completed: 11-19-93  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 4583  
Fresh water depths (ft) 2" stream 110'  
2" stream 320'  
Salt water depths (ft) None noted  
Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 268-269, 829, 857, 878,  
899, 902, 1075-1077, 1217

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
20"	45'	45'	Driven
16"	68'	68'	130
11 3/4"	376'	376'	229
8 5/8"	1641'	1641'	526
4 1/2"	4547'	4547'	403

OPEN FLOW DATA

Berea 4450-4458  
Producing formation B. Lime Pay zone depth (ft) 3687-3692  
Gas: Initial open flow 2480 MCF/d Oil: Initial open flow -- Bbl/d  
Final open flow 4109 MCF/d Final open flow -- Bbl/d  
Time of open flow between initial and final tests 3 Hours  
Static Rock Pressure 420# psig (surface pressure) after 24 Hours  
Second producing formation None 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: Ashland Exploration, Inc.

By: James L. Stephens James L. Stephens, Eng. Tech.

Date: 12-01-93

Reviewed TM6  
Recorded \_\_\_\_\_

<u>Formation or Rock Type</u>	<u>Top</u>	<u>Base</u>
Sand and Shale (base Lee Sand)	0	953
Pennington	953	3059
U. Maxton	2382	2496
M. Maxton	2690	2714
L. Maxton	2964	2985
Little Lime	3059	3213
Big Lime	3213	3773
Borden	3773	4386
Sunbury Shale	4386	4399
Berea	4399	4475
Devonian Shale	4475	T.D.

Drillers TD 4584

Loggers TD 4528

85/8 and 113/4 cmt'd to surface on primary job.

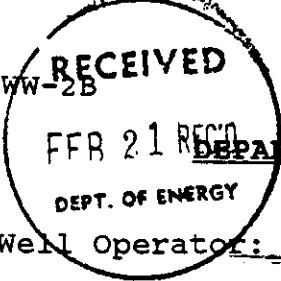
Perforate Berea using 3% HCG as follows: 17H/4450-4458'. Dump 500 gal 17.2% HCl-Fe acid. 75Q foam frac Berea using 37,000# 20/40 & 210,000 scf N<sub>2</sub> @ 10,000 scf/m. BD @ 2394#, ATP 2700# @ 20 B/M, MTP 4138#, ISIP 4120, TF 120 Bbl. (Treatment screened out w/37,000# of sand pumped.

Perf Big Lime using 3% HCG 0.39 jets 11H/3687-3692'. 65 Quality foam acidize using 3000 gal 28% HCl-Fe acid, 500 gal 15% HCl-Fe acid and 190,000 scf N<sub>2</sub> @ 11,000 scf/min. BD @ 2590#, ATP 1550# @ 20 BPM foam rate, MTP 2590# & ISIP 1060.

DF - 404

OFT - 395

13271



9 047-1101 Issued 3/9/92 Expires 3/9/94 Page 1 of 1

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

- 1) Well Operator: Ashland Exploration, Inc. 2750 (6) 261 Lon B. Rogers, et al
2) Operator's Well Number: 33, Serial #137761 3) Elevation: 1676.2
4) Well type: (a) Oil\_/ or Gas\_X/ (b) If Gas: Production\_X/ Underground Storage\_/ Deep\_/ Shallow\_X/
5) Proposed Target Formation(s): Devonian Shale
6) Proposed Total Depth: 6800 feet
7) Approximate fresh water strata depths: 761'KB (Map WV-12)
8) Approximate salt water depths: 1111'KB (Map WV-12), 909'
9) Approximate coal seam depths: Solid - No Seams Operated Below Coal
10) Does land contain coal seams tributary to active mine? Yes\_/ No\_X/
11) Proposed Well Work: Drill and Stimulate New Well
12)

CASING AND TUBING PROGRAM

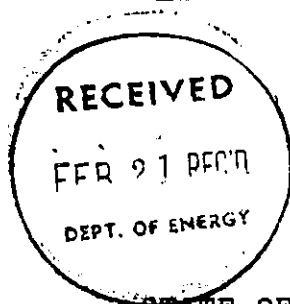
Table with 7 columns: TYPE, SPECIFICATIONS, FOOTAGE INTERVALS, CEMENT. Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

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

For Division of Oil and Gas Use Only

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

13271 506475



- 1) Date: February 19, 1992
- 2) Operator's well number  
Lon B. Rogers, et al #33, Serial #137761
- 3) API Well No: 47 - 047 - 1161  
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 Lon B. Rogers Bradshaw Trust  
Address 403 Quality Pl., 300 East Main  
Lexington, KY 40507
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name Jewell Smokeless Coal Corp.  
Address Box 70  
Vansant, VA 24656
  - (b) Coal Owner(s) with Declaration  
Name Same as No. 4(a)  
Address \_\_\_\_\_
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Ofie Helmick  
Address P.O. Box 218  
Fanrock, WV 24834  
Telephone (304)-732-9135
- (c) Coal Lessee with Declaration  
Name Jewell Ridge Coal Corp.  
Address P.O. Box 58  
Jewell Ridge, VA 24622

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 2 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 Ashland Exploration, Inc.  
 By: W. Mark Parks  
 Its: Operations Manager  
 Address P.O. Box 391  
Ashland, KY 41114  
 Telephone 606-329-5989

Subscribed and sworn before me this 19th day of February, 1992

Debbie W. Rosta Notary Public  
 My commission expires November 23, 1994