

STATE PLANE COORDINATES

(NAD 27 Datum)

N 120,990.4215 Topo Location

E 1,758,184.3427

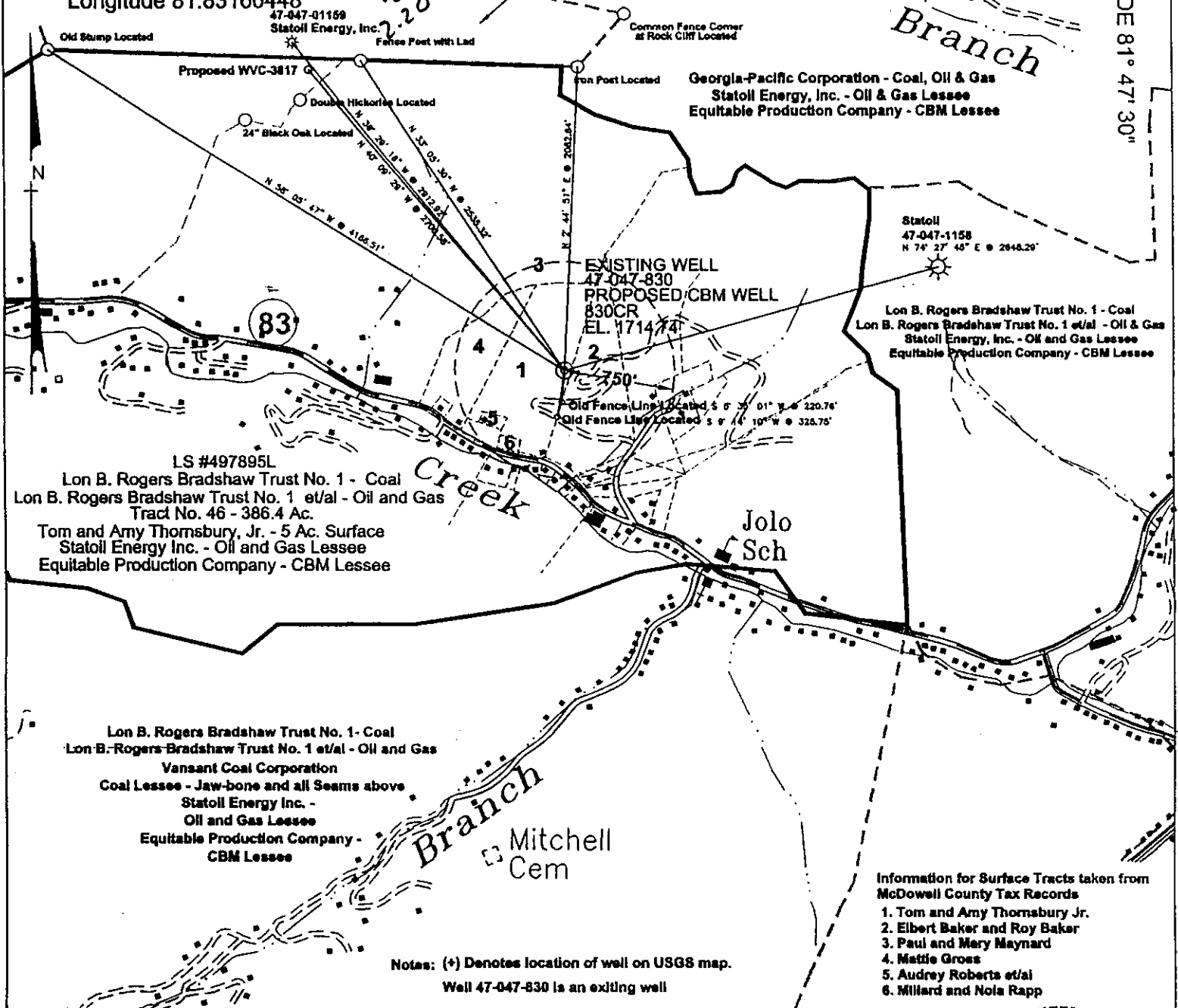
Latitude 37.32929193

Longitude 81.83160448

11,611.38'

LATITUDE 37° 20' 00"

1478.42'
LONGITUDE 81° 47' 30"



Branch

Creek

Jolo Sch

Mitchell Cem

Statoil
47-047-1158
N 74° 27' 45" E @ 2648.20'

EXISTING WELL
47-047-830
PROPOSED CBM WELL
830CR
EL. 1714.74'

LS #497895L
Lon B. Rogers Bradshaw Trust No. 1 - Coal
Lon B. Rogers Bradshaw Trust No. 1 et/al - Oil and Gas
Tract No. 46 - 386.4 Ac.
Tom and Amy Thornsby, Jr. - 5 Ac. Surface
Statoil Energy Inc. - Oil and Gas Lessee
Equitable Production Company - CBM Lessee

Lon B. Rogers Bradshaw Trust No. 1- Coal
Lon B. Rogers Bradshaw Trust No. 1 et/al - Oil and Gas
Vansant Coal Corporation
Coal Lessee - Jaw-bone and all Seams above
Statoil Energy Inc. -
Oil and Gas Lessee
Equitable Production Company -
CBM Lessee

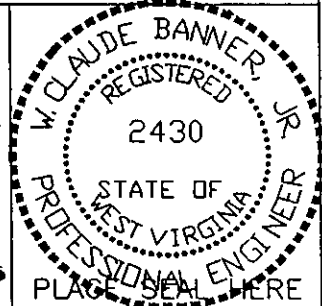
Lon B. Rogers Bradshaw Trust No. 1 - Coal
Lon B. Rogers Bradshaw Trust No. 1 et/al - Oil & Gas
Statoil Energy, Inc. - Oil and Gas Lessee
Equitable Production Company - CBM Lessee

Notes: (+) Denotes location of well on USGS map.
Well 47-047-830 is an existing well

Information for Surface Tracts taken from
McDowell County Tax Records
1. Tom and Amy Thornsby Jr.
2. Elbert Baker and Roy Baker
3. Paul and Mary Maynard
4. Mattie Gross
5. Audrey Roberts et/al
6. Millard and Nola Rapp

FILE No. 8-17-00-1SP
DRAWING NAME 47-047-830\830CR
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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE
DEPARTMENT OF MINES.
(SIGNED) *Klaude Banner*
R.P.E. 2430 R.P.S.



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

DATE AUGUST 16 2000
OPERATOR'S WELL No. 830CR
API WELL No.
47 - 047 - 00830C
STATE COUNTY PERMIT

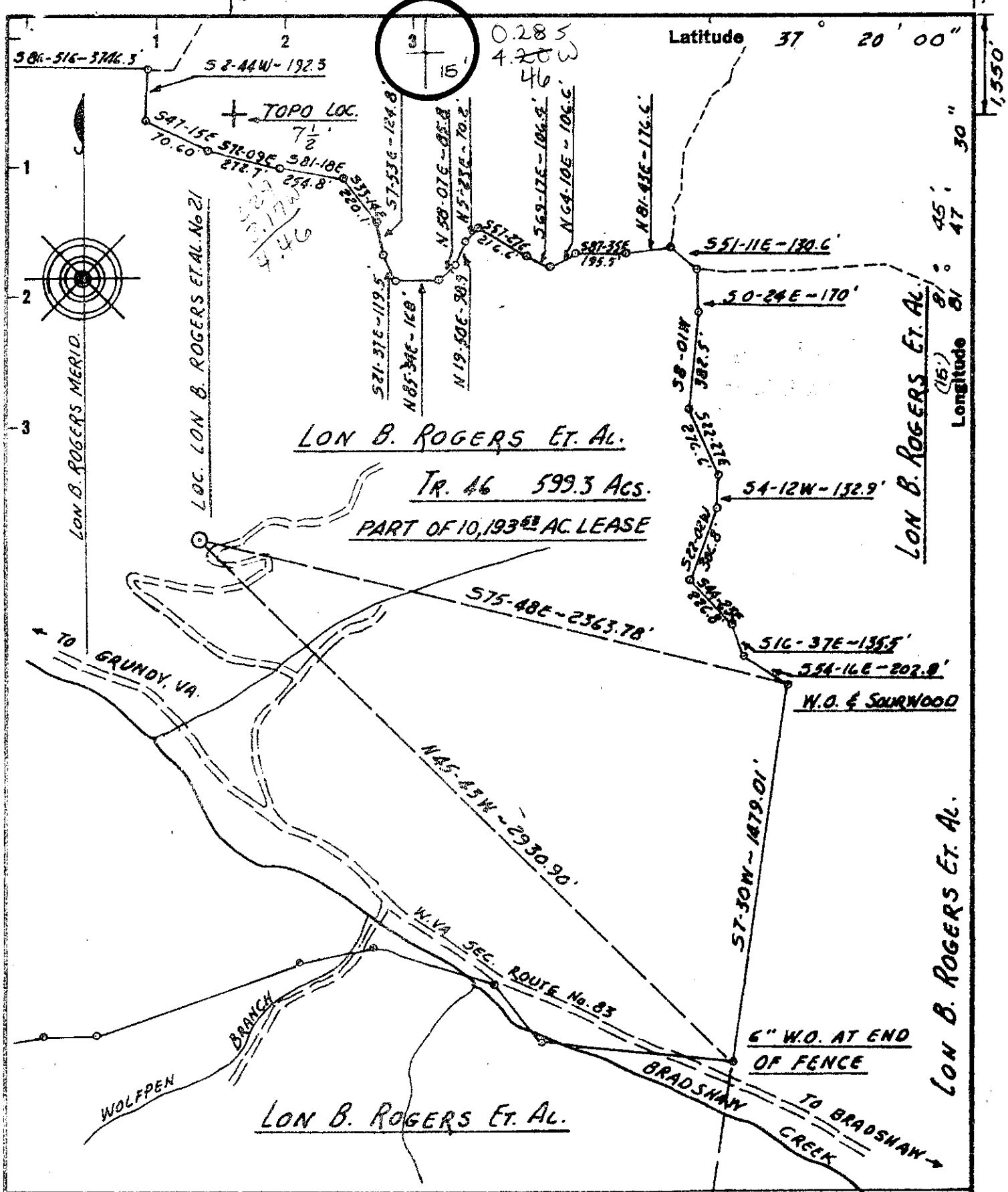
WELL TYPE: OIL GAS CBM LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1714.74 WATER SHED BRADSHAW CREEK OF DRY FORK
DISTRICT SANDY RIVER COUNTY McDOWELL
QUADRANGLE BRADSHAW, WV

SURFACE OWNER TOM AND AMY THORNSBY, Jr. ACREAGE ± 5 TAX MAP 324 PARCEL 63
CBM ROYALTY OWNER LON B. ROGERS BRADSHAW TRUST No. 1 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 X OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION PENNSYLVANIAN COALS ESTIMATED DEPTH
WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT LARRY AYLESTOCK
ADDRESS 1989 EAST STONE DRIVE ADDRESS P.O. BOX 1550
KINGSPORT, TN 37660 CLARKSBURG, WV 26302

6-6 383

M. Dow 0830 C



MINIMUM E.C. = 1:2600 B.M.
 New Location
 Drill Deeper
 Abandonment
 LINE 2, Q 191-1958, EL. = 1338.86, C&GS. BRASS DISK SET VERTICALLY IN THE SW FACE OF A 35' ROCK CLIFF, 21' NE OF & OF STATE ROAD 83, 2.55 MILES SW OF JUNCTION OF STATE ROAD 80.

Company ASHLAND EXPLORATION, INC.
 Address Box 391, ASHLAND, KENTUCKY, 41001
 Farm LON B. ROGERS ET AL.
 Tract 46 Acres 599.3 Lease No. 5859
 Well (Farm) No. 21 Serial No. 088971
 Elevation (Spirit Level) 1698.4 GR.
 Quadrangle BRADSHAW W.VA-VA (7.5 MIN)
 County MC. DOWELL District SANDY RIVER
 SURVEYOR Hamilton J. Shaper
 SURVEYOR'S Registration No. 188
 File No. _____ Drawing No. _____
 Date 28 JAN. 1980 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. **47-047-0830**

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

Ar

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

Well Operator's Report of Well Work

Farm Name: Lon B Rogers Operator Well No.: 830 CR (Rogers 21)

LOCATION: Elevation: 1,714.74 Quadrangle: Bradshaw

District: Sandy River County: McDowell

Latitude: 1478.42 Feet South of Deg. 37 Minutes 20 Seconds 0
Longitude: 11,611.38 Feet West of Deg. 81 Minutes 47 Seconds 30

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: 09/20/00

Well work completed: 11/01/00

Verbal Plugging

Permission granted on:

Rotary Rig X Cable Rig _____

Total Depth 4566-PBID 1575' Feet

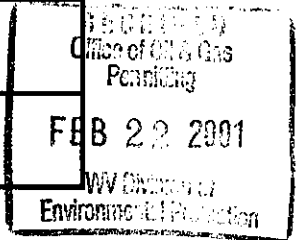
Fresh water depths (ft) _____

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"	4559'	4559'	120 sx+ 326 FT ³ 335 FT ³
1-1/2"		1590'	



OPEN FLOW DATA

Producing formation Firecreek/Poco 9,8,6,5,4,3,2/Jim Squire

Pay Zone Depth (ft): _____ See Attach for details

Gas: Initial open flow NS Bbl/d
 Final open flow 47 Final open flow: _____
 Time of open flow between initial and final tests _____ Hours
 Static rock pressure 100 psig (surface pressure) after _____ 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: _____
 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: *Robert A. Dine*
Date: 2/20/01

MAR 02 2001

Mc Dow 0830

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

Well: Rogers 830 CR

API# _____

Date	10/23/2000				
Type Frac Acid, N ₂ , Foam, Water	70 Q Foam				
Zone Treated	Firecreek Poco 9,8,6,4,5,3,2 Jim Squire				
# Perfs From - To:	25 848.0-1467.0				
BD Pressure @ psi	2591				
ATP psi	3750				
Avg. Rate, B=B/M, S= SCF/M	25 B Foam				
Max. Treat Press psi	4000				
ISIP psi	1450				
Frac Gradient	2.11				
10 min S-I Pressure	1100 5 min				
Material Volume					
Sand-sks	110				
Water-bbl	480				
SCF N ₂	631,800				
Acid-gal	1050 gal 7.5%				
NOTES:					

WELLS
 OPERATING
 FEB 22 2001
 WYOMING
 ENVIRONMENTAL

TOP

BASE

FORMATION

REMARKS*
PREVIOUSLY REPORTED

NOTE: Bottom section of hole plugged w/CIBP @ 4450'+1 sx CI "A" cmt, CIBP @ 3575'+ 1 sx CI "A" cmt. Squeezed w/ 253 sx (326 FT³)+260 sx (335 FT³)-cmt to surface on 8x4 annulus. 2nd squeeze holes 1089-PBID @ 1575'.



RECEIVED

MAY 19 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD ²⁴

Quadrangle Bradshaw
047-
Permit No. 0830

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Ashland Exploration, Inc.
Address P. O. Box 391, Ashland, Ky. 41101
Farm Lon B. Rogers Acres 10,193.53
Location (waters) Bradshaw Creek
Well No. 21 Elev. 1698.4'
District Sandy River County McDowell
The surface of tract is owned in fee by _____
Goldie Baker and Tom Thornsbury
Address Box 12-A, Jola, WV 24850
Mineral rights are owned by Fon Rogers II
Address 150 Bell Ct. E-Lexington, Ky.
Drilling Commenced 3/10/80
Drilling Completed 3/21/80
Initial open flow _____ cu. ft. _____ bbls.
Final production 919 M cu. ft. per day _____ bbls.
Well open 4 hrs. before test 780 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 13 3/8	70	70	12 sks
9 5/8			
8 5/8	1630	1630	400 sks
7			
5 1/2			
4 1/2	4559	4559	
3			
2 2 3/8	4444	4444	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perf Berea 15H/4470-4485
Frac'd w/60,000# 20/40 sand. Total fluid 546 bbls. BD @ 1350#, MTP 2300#,
ATP 1943# @ ATR of 17 B/M
Perf Big Lime 6H/3611-3616
Acidized w/1500 gal 15% double inhibited HCl acid @ 9 B/M @ no pressure

919 MCF

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Berea & Big Lime Depth Berea 4431' - Big Lime 3240

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	100		
Shale			100	155		
Sand			155	307		
Shale			307	348		
Sand & Shale			348	539		
Shale			539	612		
Sand			612	847		
Shale & Sand			847	953		
Salt Sand			953	1595		
Shale & Sand			1595	1735		
Sand & Shale			1735	1851		
Shale			1851	1935		
Sand & Shale			1935	2125		
Avis Lime			2125	2182		
Shale			2182	2257		
Sand			2257	2290		
Shale			2290	2424		
Sand & Shale			2424	2529		
Shale w/sand streaks			2529	2781		
Sand & Shale			2781	2951		
Lower Maxton			2951	3014		
Shale			3014	3083		
Little Lime			3083	3173		
Pencil Cave			3173	3240		

(over)

* Indicates Electric Log tops in the remarks section.

JUN 16 1980

Formation	Color	Hard or Soft	Top Feet <i>24</i>	Bottom Feet	Oil, Gas or Water	* Remarks
Big Lime			3240	3794		
Shale			3794	3871		
Weir			3871	4086		
Shale			4086	4411		
Coffee Shale			4411	4431		
Berea ✓			4431	4504		
Devonian Shale			4504	4563		
DTD	4566					
LTD	4563					

Date May 16 1980

APPROVED ASHLAND EXPLORATION, INC. C. W. Carman

By *C. W. Carman*
C. W. Carman, Production Superintende

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. 21 - Serial #088971
API Well No. 47 - 047 - 0830
State County Permit

WELL TYPE: Oil ___ / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1698.4 Watershed: Bradshaw Creek
District: Sandy River County: McDowell Quadrangle: Bradshaw

WELL OPERATOR Ashland Exploration, Inc.
Address P. O. Box 391
Ashland, KY 41101

DESIGNATED AGENT H. H. Griffith
Address Box 156
Brenton, WV 24818

OIL & GAS ROYALTY OWNER Fon Rogers II
Address 150 Bell Court, East
Lexington, KY 40508

COAL OPERATOR None
Address:

Address 10,193.53
SURFACE OWNER Mr. Tom Thornsby, Jr.
Address Box 12A
Jolo, WV 24850
Acreage 5

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Fon Rogers II
Address 150 Bell Court, East
Lexington, KY 40508

SURFACE OWNER Mrs. Goldie Baker
Address Box 12A
Jolo, WV 24850

Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED 12 Acres
Name Rue Schoolcraft
Address Box 706
Pineville, WV 24874

COAL LESSEE WITH DECLARATION ON RECORD:
Name Oswald Coals, Inc.
Address Main Street
Mt. Hope, WV 25880
Gulf and Western Industries, Inc.
c/o The New Jersey Zinc Company
65 East Elizabeth Ave.
Bethlehem, PA

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated Sept. 5, 1947, to the United Producing Co., Inc. from Lon B. Rogers et al

[If said deed, lease, or other contract has been recorded:]

Recorded on November 1, 1947, in the office of the Clerk of the County Commission of McDowell County, West Virginia, in Deed Book 177 at page 137. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper ___ / Redrill ___ / Fracture or stimulate X /
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

RECORDED

FEB 11 1980

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1619 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

OIL & GAS DIVISION
DEPT. OF MINES
BLANKET FORNS

ASHLAND EXPLORATION, INC.

Well Operator

By [Signature]
Regional Civil Engineer

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) R. H. Whipkey Co.
Address P. O. Box 278
Parkersburg, WV 26101

GEOLOGICAL TARGET FORMATION, Berea

Estimated depth of completed well, 4470 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 30 feet; salt, 930 feet.

Approximate coal seam depths: ? Is coal being mined in the area? Yes / No X /
(All minable coal to be penetrated lies below drainage.)

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	13 3/8	H-40	48#/ft	X		60	60	20	Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	K-55	24#/ft	X		1600	1600	450 sks	
Production	4 1/2	K-55	10.5#/ft	X		4470	4470	150 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well ~~THIS PERMIT MUST BE POSTED AT THE WELL SITE~~ part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 10-25-80.

Robert S. [Signature]

Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.