

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

Well was fractured January 17, 1983
 Perforations:
 3738 - 3740 4 holes
 3758 - 3762 6 holes
 3894 - 3900 10 holes
 5044 - 5047 10 holes
 Balltown
 Benson

WELL LOG

| FORMATION COLOR HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|------------------------------|----------|-------------|---|
| | | | Including indication of all fresh and salt water, coal, oil and gas |
| Red Rock & Shale | 0 | 20 | 1/2" water @ 20' |
| Sand | 20 | 32 | 1/2" water @ 800' |
| Red Rock | 32 | 48 | Gas check @ 3163' No show |
| Sand & Shale | 48 | 103 | Gas check @ 3412' 21MCF/D |
| Red Rock | 103 | 117 | Gas check @ 3945' 15MCF/D |
| Sand & Shale | 117 | 166 | Gas check @ 4694' 15MCF/D |
| Shale | 166 | 200 | Gas check @ 5106' 24MCF/D |
| Sand & Shale | 200 | 250 | Gas check @ 5500' 24MCF/D |
| Red Rock | 250 | 260 | |
| Sand & Shale | 260 | 271 | |
| Red Rock & Shale | 271 | 425 | |
| Sand & Shale | 425 | 1016 | |
| Sand | 1016 | 2174 | |
| Lime | 2174 | 2280 | |
| Sand | 2280 | 2350 | |
| Sand & Shale | 2350 | 2800 | |
| Sand | 2800 | 2950 | |
| Sand & Shale | 2950 | 3575 | |
| Sand | 3575 | 3810 | |
| Sand & Shale | 3810 | 4100 | |
| Sand | 4100 | 4130 | |
| Sand & Shale | 4130 | 5100 | |
| Benson | 5100 | 5110 | |
| Shale | 5110 | 5116 | |
| Sand | 5116 | 5144 | |
| Sand & Shale | 5144 | 5500 T.D. | |

Alexander @ T.D.

(Attach separate sheets as necessary)

Allegheny Land and Mineral Company
 Well Operator

By: Raymond L. Magya
 Vice President Oil & Gas Operations

Date: March 11, 1983

Note: Regulation 2.02 (i) provides as follows
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



WELL NO. A-1271
FARM NAME Nutter
API WELL NO. 47 - 017 - 3135
DATE August 11, 1982

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL and GAS DIVISION

WELL TYPE: Oil Oil and GAS WELL PERMIT
If "Gas", Production XXX / Underground storage XXX / Deep XXX / Shallow XXX /
LOCATION: Elevation: 1209' Watershed: Dry Fork
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5

WELL OPERATOR Allegheny Land and Mineral Company DESIGNATED AGENT Daniel L. Wheeler
Address P. O. Drawer 1740 Address P. O. Drawer 1740
Clarksburg, West Virginia 26301 Clarksburg, West Virginia 26301

OIL & GAS
ROYALTY OWNER Don H. Nutter, et al COAL OPERATOR _____
Address 147 Valley Street Address _____
Salem, WV 26426

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Eastern Associated Coal
Address Koppers Building
Pittsburgh, Pa. 15222

SURFACE OWNER David Kent Moss Name _____
Address 1405 Livingston Avenue Address _____
Elkins, WV 26241 Address _____

FIELD SALE (IF MADE) TO: Consolidated Gas Supply Corp.
Address 445 West Main Street
Clarksburg, WV 26301
COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

OIL AND GAS INSPECTION TO BE NOTIFIED
Name Stephen Casey
Address Route 2, Box 232-D
Jane Lew, WV 26378

The undersigned well operator is entitled to operate for oil or gas purposes as the above location under a deed
/ lease / other contract / dated July 26, 1977, to the undersigned well operator from _____
Don H. Nutter, et al
(If said deed, lease, or other contract has been recorded:)
Recorded on Nov. 4, 1977, in the office of the Clerk of the County Commission of Doddridge County, West
Virginia in Lease Book 103 at page 113. A permit is requested as follows:
PROPOSED WORK: Drill XX / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

RECEIVED
AUG 12 1982
OIL AND GAS DIVISION
DEPARTMENT OF MINES

-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.
Yes XX / No / The right to extract, produce or market the oil or gas is based upon a lease or leases or other
continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the
owner of the oil or gas in place which is not inherently related to the volume of oil and gas so extracted, produced
or marketed.

If the answer to this question is yes, you may use this affidavit.

AFFIDAVIT

I, Daniel L. Wheeler, Vice President, (the above designated owner or operator, or authorized representative thereof),
after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in
the well to state that it shall tender to the owner of the oil and gas in place not less than one-eighth of the
total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or
gas so extracted, produced or marketed before deducting the amount to be paid to or set aside for the owner of the
oil or gas in place, all such oil or gas to be extracted, produced or marketed from the well.

ALLEGHENY LAND AND MINERAL COMPANY
BY Daniel L. Wheeler
Daniel L. Wheeler, Vice President

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Development Drilling, Inc.

P. O. Drawer 1740

Clarksburg, West Virginia 26301

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well 5500' feet Rotary XXX / Cable tools /

Approximate water strata depths: Fresh, 591 feet; salt, feet.

Approximate coal seam depths: 730-736 Is coal being mined in the area? Yes / No /

CASING AND TUBING PROGRAM 751-756

| 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 | 16" | | | | X | 20' | 20' | cement to surface | Kinds |
| Fresh Water | 8-5/8" | | | | | | | | Sizes |
| Coal | 8-5/8" | | 20# | X | | 1200' | 1200' | cement to surface | Depths set |
| Intermediate Production | 4-1/2" | | J-55 10.50# | X | | 5500' | 5500' | cement to 300' above producing horizon or as required by Rule 15.01 | Perforations: |
| Tubing Liners | | | | | | | | | 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 form 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 where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 with fifteen (15) days of receipt thereof.

WAIVER

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 by the West Virginia Code and the governing regulations.

Date: 19 BY:

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22, ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR Drilling THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 4-27-83

BY

Handwritten signature

OFFICE