

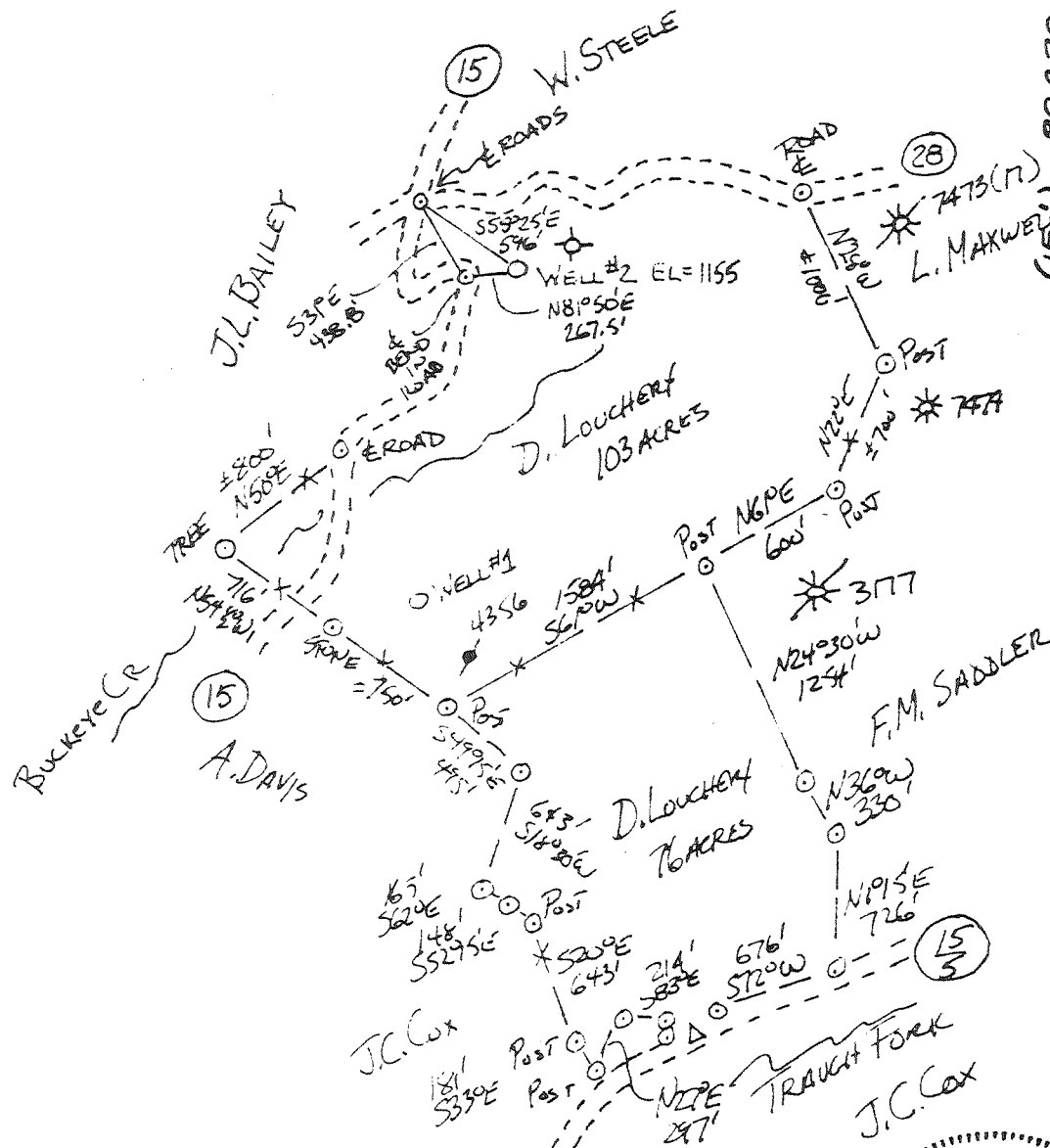
10/3/79

LATITUDE 39°15'

+15'
+Topo 7 1/2'

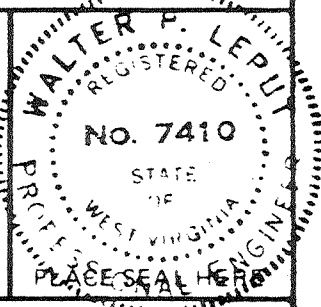
(15°) 80°30'
LONGITUDE 80°32'30"

NORTH



FILE NO _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION BM ± 1/2 MILE NW (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 MINES.
 (SIGNED) Walter P. Lepert
 R.P.E. 7410 L.L.S. _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE 9-21 1979
 OPERATOR'S WELL NO. 2
 API WELL NO. _____
 47 - 017 = 2872
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

FORMERLY - 017-2517
 Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1155 WATER SHED BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7 1/2, VAD 15 15'
 SURFACE OWNER O. CUMBERLEDGE ACREAGE 103
 OIL & GAS ROYALTY OWNER DANIEL LOUCHERY LEASE ACREAGE 177
 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) _____

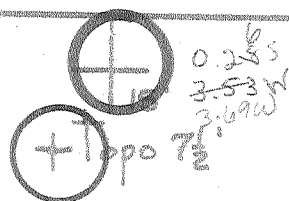
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5600'
 WELL OPERATOR DORANT ASSOCIATES INC DESIGNATED AGENT ALVIN SORCAN
 ADDRESS 728 WASHINGTON ROAD ADDRESS RT 4 Box 499
 PGH, PA. 15228 BUCKANNOX, W. VA

AUG 17 1981

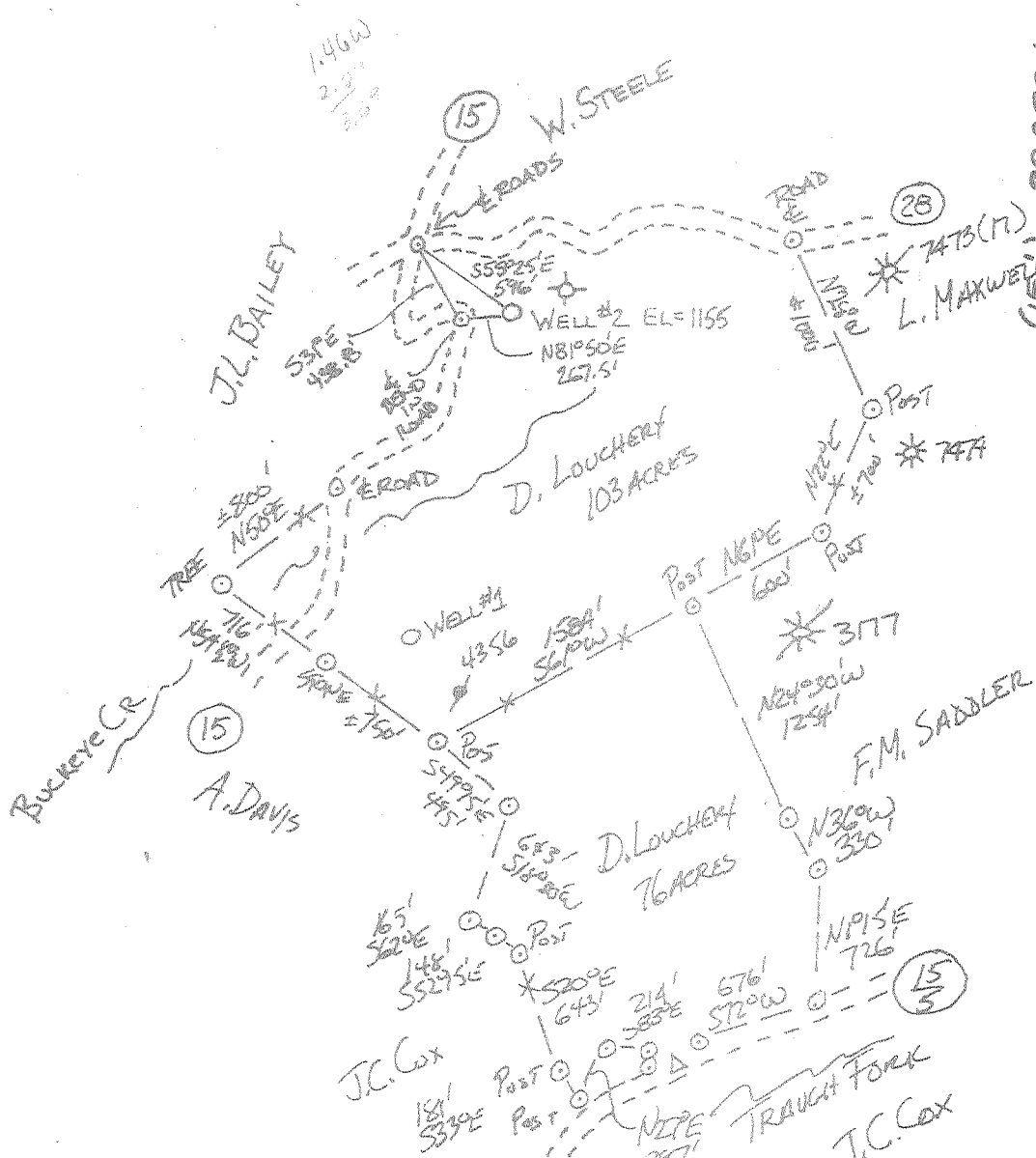
12/3/79

LATITUDE 39°15'

LONGITUDE 80°32'30"

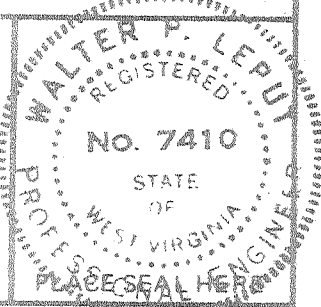


NORTH



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION BM ± 1/8 MILE NW (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 MINES.
 (SIGNED) Walter P. Lepuy
 R.P.E. 7410 L.L.S. _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE 9-21-1979
 OPERATOR'S WELL NO. 2
 API WELL NO. 2872
 47 - 017 - 2872
 STATE COUNTY PERMIT

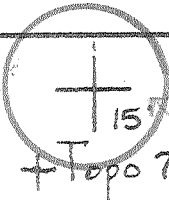
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

FORMERLY - 017-2517

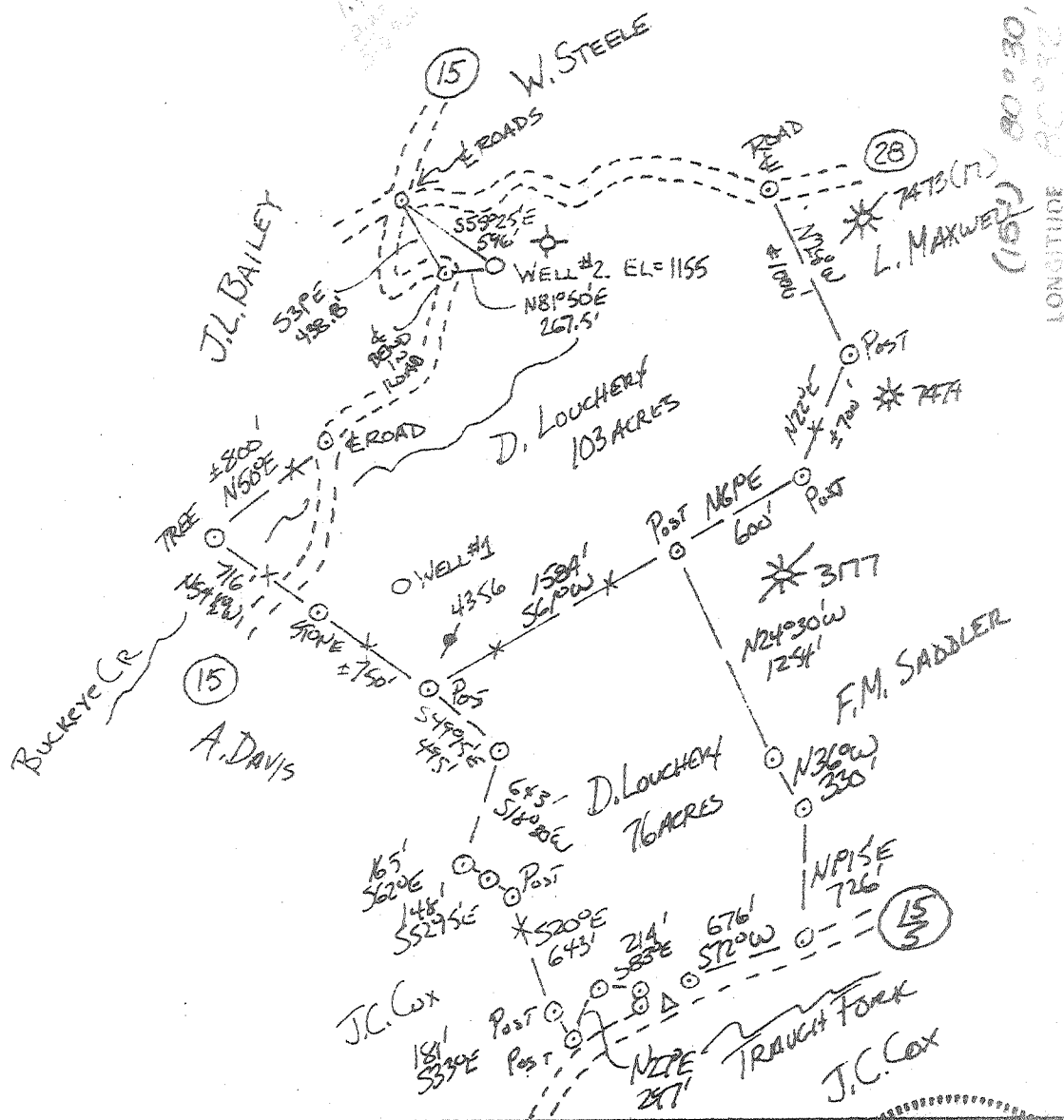
WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS.") PRODUCTION ___ STORAGE DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1155 WATER SHED BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7 1/2 VADIS 15' NE
 SURFACE OWNER O. CUMBERLEDGE ACREAGE 10.3
 OIL & GAS ROYALTY OWNER DANIEL LOUCHERY LEASE ACREAGE 1.77
 LEASE NO. _____
 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 ALEXANDER ESTIMATED DEPTH 5600'
 WELL OPERATOR Dorant Associates Inc DESIGNATED AGENT ALVIN SORCAN
 ADDRESS 728 WASHINGTON ROAD ADDRESS RT 4 BOX 499
 PGH, PA 15228 BUCKANNOON, W. VA

DEC 5 1980

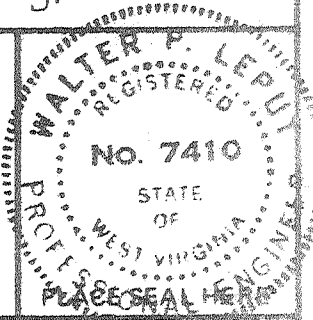


NORTH



FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION BM ± 1/8 MILE NW (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 MINES.
(SIGNED) Walter P. Lepert
R.P.E. 7410 L.L.S. _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6 (8-78)



DATE 9-21 1979
OPERATOR'S WELL NO. 2
API WELL NO. _____
was: 47-017-2517
STATE COUNTY PERMIT
now: 017-2872

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1155 WATER SHED BUCKEYE CREEK
DISTRICT GREENBRIER COUNTY DODDRIDGE
QUADRANGLE BIG ISAAC 7 1/2, VADIS 15' NE
SURFACE OWNER O. CUMBERLEDGE ACREAGE 103
OIL & GAS ROYALTY OWNER DANIEL LOUCHERY LEASE ACREAGE 177
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 5600' NOV 14 1979
WELL OPERATOR DORANT ASSOCIATES INC. DESIGNATED AGENT ALVIN SORCAN
ADDRESS 728 WASHINGTON ROAD ADDRESS RT 4 BOX 499
PGH, PA. 15228 BUCKANON, W. VA.

FORM IV-2 (Obverse)

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

Date: September 26, 1979

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 2 API Well No. 47 - 017 -2517 State County Permit

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

LOCATION: Elevation: 1155 Watershed: Buckeye Creek District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7 1/2

WELL OPERATOR Doran & Associates, Inc. Address 728 Washington Road Pittsburgh, PA 15228

DESIGNATED AGENT Mr. Alvin Sorcan Address Rt. 4, Box 444 Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Daniel Louchery Address P. O. Box 1206 Clarksburg, WV

COAL OPERATOR Virginia Tetrick Address: Union National Center West Clarksburg, WV 26301

ACREAGE 172 SURFACE OWNER Olan Cumberledge, Rt. 3 (103A) Address Salem, WV 26426 Sylvis W. & Wanda Mae Davis Box 1222, Clarksburg, WV 26301

COAL OWNER(S) WITH DECLARATION ON RECORD: Name Same as above Address

FIELD SALE (IF MADE) TO: Name N/A Address

COAL LESSEE WITH DECLARATION ON RECORD: Name N/A Address RECEIVED OCT - 9 1979

OIL & GAS INSPECTOR TO BE NOTIFIED Name Paul Garrett Address 321 Beech Street Clarksburg, WV 26301

OIL & GAS DIVISION DEPT. OF MINES

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 April 17, 1979, to R & P Associates from Daniel L. Louchery

[If said deed, lease, or other contract has been recorded:] Recorded on September 10, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Book 110 at page 572. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate / 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 the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL OR PHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1415 WASHINGTON STREET EAST CHARLESTON, WV 25301 TELEPHONE: (304) 348-2092

Doran & Assoc, Inc. Well Operator

BLANKET BOND

By Donald R. Laughlin

[08-78]

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION, ALEXANDER

Estimated depth of completed well, 5600' feet Rotary / Cable tools /

Approximate water strata depths: Fresh, 45,225 feet; salt, _____ feet.

Approximate coal seam depths: 305, 580, 890 Is coal being mined in the area? Yes / No

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		
Conductor	11 3/4'			X			30'	To Surface Kinds
Fresh water								
Coal								Sizes
Intermediate	8 5/8			X			1600'	To Surface
Production	4 1/2			X			5600'	350 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 drilling 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.

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 6-24-80.

Robert R. [Signature]
Deputy Director - Oil & Gas Division

The following order 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.

Date: _____, 19____

By _____
Its _____

RECEIVED

NOV - 6 1980



D. Louchery #2 K-L-267

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE October 20, 1980
Company Doran & Associates, Inc.
Address 200 Roessler Rd., Pgh., PA 15220
Farm D. Louchery #2 Acres 103
Location (waters) Traugh Fork
Well No. #2 Elevation 1155
District Greenbrier County Doddridge
Quadrangle Big Isaac 7 1/2

Surface Owner Olan Cumberledge
Address Rt. 3, Salem, WV 26426
Mineral Owner Daniel Louchery
Address P. O. Box 1206, Clarksburg, WV 26201
Coal Owner Virginia Tetrick
Address Union National Center West, Clarksburg, WV 26301
Coal Operator SAME AS ABOVE
Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

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 7-13-81.

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech Street, Clarksburg, WV 26301
PHONE 304-622-3871

Paul Garrett
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated April 17 1979 by Daniel L. Louchery made to R & P Associates and recorded on the 10th day of Sept. 1979 in Doddridge County, Book 110 Page 572
XXX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address this day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Very truly yours,
(Sign Name) Donald R. Laughlin
Well Operator
200 Roessler Road
Street
Pittsburgh,
City or Town
PA 15220
State

*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

47-017-2872 PERMIT NUMBER

(Formerly: DOD-2517)

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XXXXXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME S. W. Jack Drilling Co. NAME Alvin Sorcan
 ADDRESS P. O. Box 697, Indiana, PA 15701 ADDRESS Rt. 4, Box 444, Buckhannon, WV
 TELEPHONE 349-6800 TELEPHONE 472-0007 26201
 ESTIMATED DEPTH OF COMPLETED WELL: 5500 ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: ALEXANDER
 TYPE OF WELL: OIL _____ GAS xxx COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	DEPTH IN WELL	CEMENT PILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10	11 3/4		
9 - 5/8		30	To SURFACE
8 - 5/8		1500	To SURFACE
7			
5 1/2			
4 1/2			
3		5500	500 SACKS
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 45 FEET SALT WATER 1350 FEET
 APPROXIMATE COAL DEPTHS 205, 455
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Original Title