

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION EL 3700 @ USGS MONUMENT @ INT. RTES 32&13

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) Burl J. Smith
 WV R.P.E. 6988 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

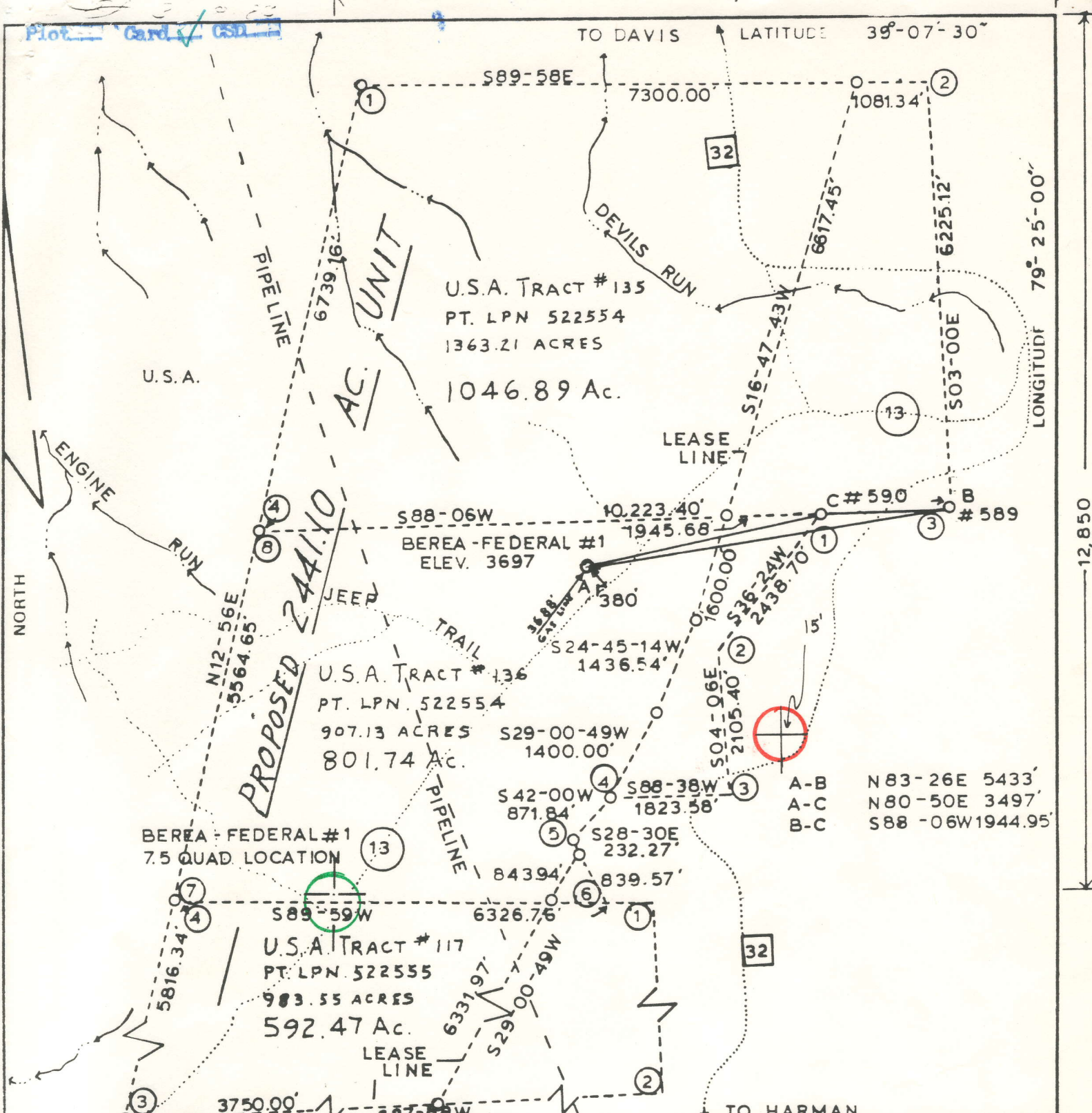


DATE MARCH 4, 1983
 OPERATOR'S WELL NO. BEREA-FEDERAL #1
 API WELL NO. _____
47-093-0064-PPF
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 3697 WATER SHED BLACKWATER RIVER
 DISTRICT DRY FORK COUNTY TUCKER
 QUADRANGLE BLACKWATER FALLS
 SURFACE OWNER USA ACREAGE TR.#136-907.13 AC.
 OIL & GAS ROYALTY OWNER USA LEASE ACREAGE 2441.10 UNIT
 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 ORISKANY ESTIMATED DEPTH 9200
 WELL OPERATOR BEREA OIL & GAS CORP. DESIGNATED AGENT MARK SCHUMACHER
 ADDRESS 201 CHEMICAL BANK BLDG 69 DELAWARE AVE ONE BERA PLAZA

TUCKER 0064-PPF



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 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



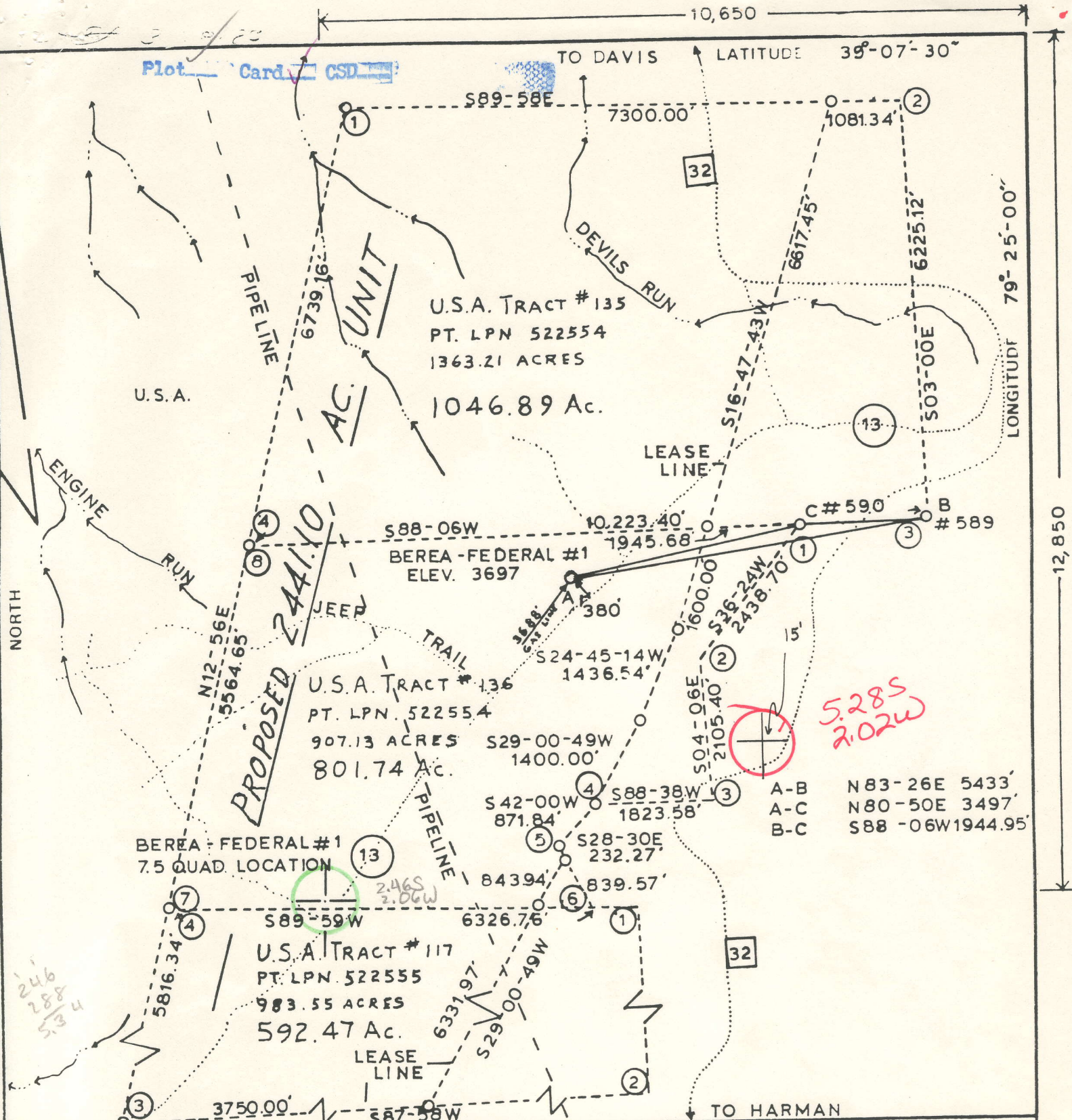
DATE MARCH 4, 1983
 OPERATOR'S WELL NO. BEREA-FEDERAL #1
 API WELL NO. 47-093-0064-PP
 STATE COUNTY PERMIT

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 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP SHALLOW ___
 LOCATION: ELEVATION 3697 WATER SHED BLACKWATER RIVER
 DISTRICT DRY FORK COUNTY TUCKER
 QUADRANGLE BLACKWATER FALLS
 SURFACE OWNER USA ACREAGE TR.#136-907.13 AC.
 OIL & GAS ROYALTY OWNER USA LEASE ACREAGE 2441.10 - UNIT
 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 ORISKANY ESTIMATED DEPTH 9200
 WELL OPERATOR BEREA OIL & GAS CORP DESIGNATED AGENT MARK SCHUMACHER
 ADDRESS 901 CHEMICAL BANK BLDG 69 DELAWARE AVE ADDRESS ONE BERA PLAZA
 BRIDGEPORT WY 26330

TUCKER 0064

AUG 08 1983



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 (SIGNED) Burl J. Smith
 WV R.P.E. 6988 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MARCH 4, 19 83
 OPERATOR'S WELL NO. BEREA-FEDERAL #1
 API WELL NO. 47-093-0064
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 3697 WATER SHED BLACKWATER RIVER
 DISTRICT DRY FORK COUNTY TUCKER
 QUADRANGLE BLACKWATER FALLS Davis 15' WC
 SURFACE OWNER U.S.A. ACREAGE TR.#136 - 907.13 AC.
 OIL & GAS ROYALTY OWNER U.S.A. LEASE ACREAGE 2441.10 - UNIT
 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 ORISKANY ESTIMATED DEPTH 9200
 WELL OPERATOR BEREA OIL & GAS CORP. DESIGNATED AGENT MARK SCHUMACHER
 _____ AVE _____ ONE BEREA PLAZA

MAY 09 1983

TUCKER 0064

DRILLER'S RECORD

Previously Requested, but NOT
AVAILABLE

DATE: 4/10/91

<u>093</u> COUNTY	<u>64</u> PERMIT
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39.07.30 79.25.00 *PERMIT 64
 W VA TUCKER *12850 S 10650 W WD WOE
 BERA O&G
 1 3709KB 3697GR BERA-FEDERAL
 DRY FORK CANAAN VALLEY
 API 47-093-20064-0000
 SPUD 05/23/1983 COMP 08/01/1983 ROTARY PET DRLG
 PROU DEPTH 9200 ORISKANY CONTR CENTURY FM/TD HELDERBG
 DTD 9700 GAS
 1 1/4 MI NW OF BENSON/ELK DISC IN CANAAN VALLEY FLD
 2 1/2 MI W OF ORISKANY PRDD IN CANAAN VALLEY FLD
 3 MI S OF DAVIS, WV
 CSG 4 1/2 @ 9559
 IPF 1800 MCFD 01
 HUNTRSVL PERF 002
 INT NOT RPTD
 TREATMENT NOT RPTD
 LOG HUNTRSVL 9300 -5591
 MAP QUAD BLACKWATER FALLS 7.5 ACRES 2441
 BERA O&G
 901 CHEMICAL BANK BLDG 69 DELAWARE AVE
 BUFFALO, NY 14202
 SURFACE U S A
 LOC/1983/
 05/09 (HUNTERSVILLE EXTENSION)

03/26/85 71
 47



1) Date: March 23, 19 83
 2) Operator's Well No. Berea Federal #1
 3) API Well No. 47 State 093 County 0064 Permit

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 3697' Watershed: Blackwater River
 District: Dry Fork County: Tucker Quadrangle: Blackwater Falls
- 6) WELL OPERATOR Berea Oil & Gas Cor. 11) DESIGNATED AGENT Mark Schumacher
 Address P.O. Box 369 Address P.O. Box 299
Dover, OH 44622 Bridgeport, WV 26330
- 7) OIL & GAS ROYALTY OWNER U.S.A. 12) COAL OPERATOR _____
 Address _____ Address _____
- 8) SURFACE OWNER U.S.A. 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name _____ Address _____
 Name _____ Address _____
 Name _____ Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert Stewart Address _____
Box 345, Jane Lew, WV
Phone: (304)884-7782
- 15) PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Opiskany
- 17) Estimated depth of completed well, 9200' feet
- 18) Approximate water strata depths: Fresh, N/A feet; salt, 5000' feet.
- 19) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No /

20) 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	<u>13 3/8</u>	<u>H40</u>	<u>48</u>	<input checked="" type="checkbox"/>		<u>250'</u>	<u>250'</u>	<u>to surface</u>	Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>9 5/8</u>	<u>J55</u>	<u>36</u>	<input checked="" type="checkbox"/>		<u>5100'</u>	<u>5100'</u>	<u>1000' Fillup</u>	
Production	<u>4 1/2</u>	<u>N80</u>	<u>11.6</u>	<input checked="" type="checkbox"/>		<u>9300"</u>	<u>9300'</u>	<u>1000' Fillup</u>	Depths set
Tubing									
Liners									Perforations: Top Bottom

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease 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 or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) 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.

Notary: _____
 My Commission Expires _____

Signed: Mary Stewart
 Its: Vice President

OFFICE USE ONLY
DRILLING PERMIT

Permit number _____ Date _____

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires _____ unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
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Administrator, Office of Oil and Gas