

Borg-Warner Chemicals Inc.
Deed Book 726 - Page 162

Existing Well #716

Princess Coals Inc.
Deed Book 816 - Pg. 2

Princess Coals Inc.
708.72 Ac.

28.747 Ac.

33.22 Ac.

Well #3
Elev. 968'

SEE BLOW-UP

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION 966'
ROAD INTERSECTION

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.
Paul K. Marshall
(SIGNED) _____
R.P.E. _____ L.L.S. 580

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE SEPTEMBER 5, 1983
OPERATOR'S WELL NO. 3
API WELL NO. 47 - 061 - 0741
STATE COUNTY PERMIT

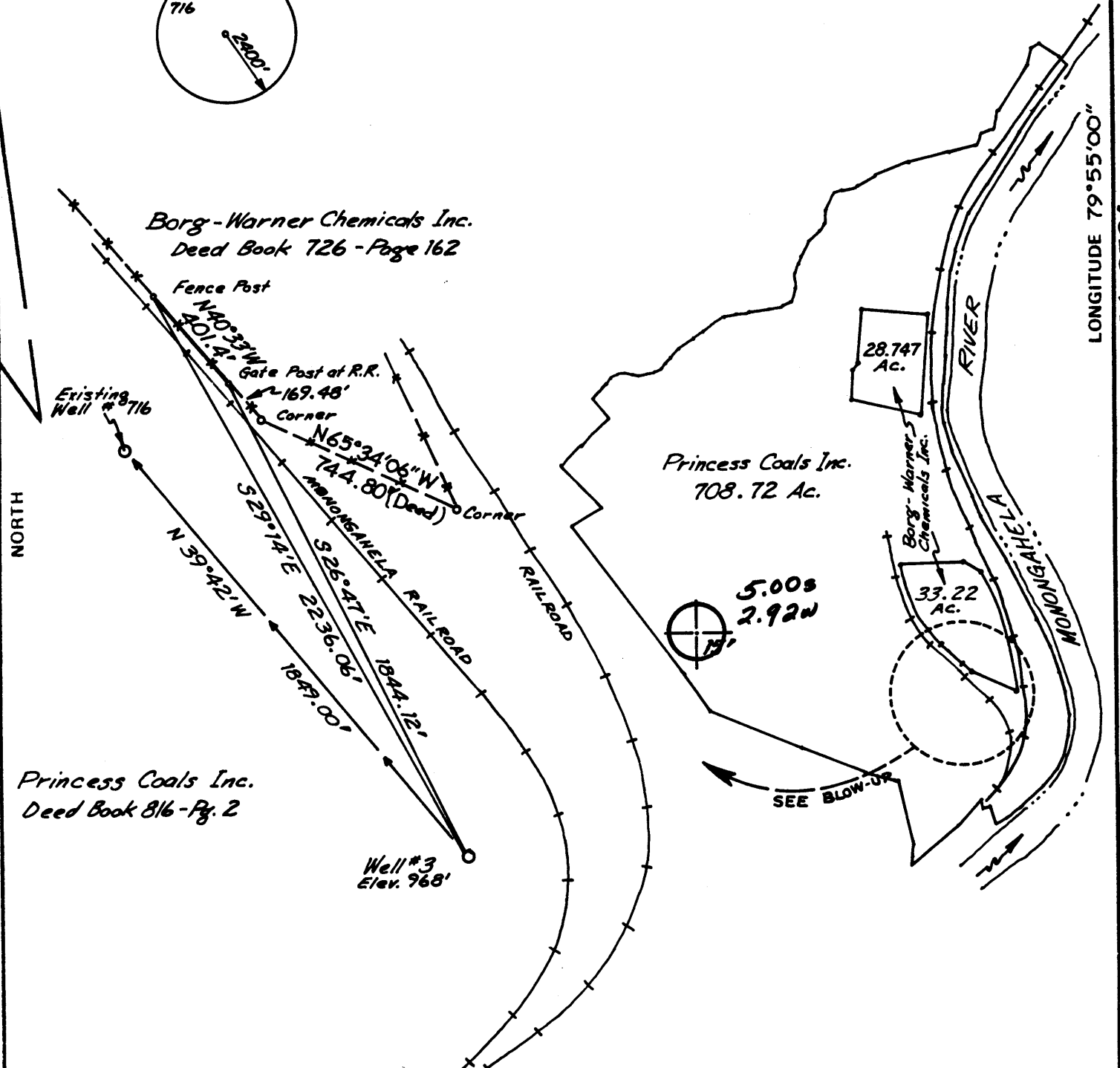
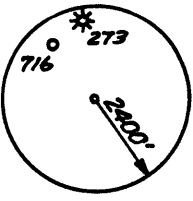
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
LOCATION: ELEVATION 968' WATER SHED MONONGAHELA RIVER
DISTRICT GRANT COUNTY MONONGAHELA
QUADRANGLE MORGANTOWN (15') MORGANTOWN SOUTH (7.5')
SURFACE OWNER MORGANTOWN INDUSTRIAL PARK ACREAGE 708.72
OIL & GAS ROYALTY OWNER MORGANTOWN INDUSTRIAL PARK LEASE ACREAGE 816.46
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) _____

Cancelled

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION SPEECHLEY ESTIMATED DEPTH 3100'
WELL OPERATOR Borg-Warner Chemicals DESIGNATED AGENT ARTHUR T. SANDY
ADDRESS P.O. BOX 1868 ADDRESS P.O. BOX 1868
PARKERSBURG, W.Va. 26102 PARKERSBURG, W.Va. 26102

Monon. 0741

Plot Card CSD



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION 966'
ROAD INTERSECTION

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) Paul K. Marshall
 R.P.E. _____ L.L.S. 580

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE SEPTEMBER 5, 1983
 OPERATOR'S WELL NO. 3
 API WELL NO. 47-061-0741
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 968' WATER SHED MONONGAHELA RIVER
 DISTRICT GRANT COUNTY MONONGAHELA
 QUADRANGLE MORGANTOWN (15') MORGANTOWN SOUTH (T.5') WC
 SURFACE OWNER MORGANTOWN INDUSTRIAL PARK ACREAGE 708.72
 OIL & GAS ROYALTY OWNER MORGANTOWN INDUSTRIAL PARK LEASE ACREAGE 816.46
 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) _____

OCT 31 1983

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION SPEECHLEY ESTIMATED DEPTH 3100'
 WELL OPERATOR Borg-Warner Chemicals DESIGNATED AGENT ARTHUR T. SANDY
 ADDRESS P.O. BOX 1868 ADDRESS P.O. BOX 1868
PARKERSBURG, W.Va. 26102 PARKERSBURG, W.Va. 26102



1) Date: September 5, 19 83
 2) Operator's Well No. 3
 3) API Well No. 47 - 061 - 0741
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
 5) LOCATION: Elevation: 968' Watershed: Monongahela River
 District: Grant County: Monongahela Quadrangle: Morgantown South
 6) WELL OPERATOR Borg Warner Chemicals 7) DESIGNATED AGENT Arthur T. Sandy
 Address P.O. Box 1868 Address P.O. Box 1868
Parkersburg, W.V. 26102 Parkersburg, W.V. 26102
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name William Blosser Name _____
 Address Rt. 4 Box 317 Address _____
Fairmont, W.V. 26564
- 10) PROPOSED WELL WORK: Drill / Drill / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, -Marcellus- Speechley
 12) Estimated depth of completed well, 3100' feet
 13) Approximate strata depths: Fresh, 268 feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No

RECEIVED
 SEP 30 1983
 DEPT. OF MINES

15) 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	16"			X					Kinds
Fresh water	11 3/4"			X			300'	CTS	By Rule 15-05
Coal									Sizes
Intermediate	8 5/8"			X			930'	CTS	
Production									Depths set
Tubing	4 1/2"			X			3100'	310 sacks of	as by Rule 15-01
Liners							Cement 100' above top of Big Lime (918') to TD		Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-061-0741 Date October 26, 19 83

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires October 26, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>OK</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>2010.89</u>
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[Signature]
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File