

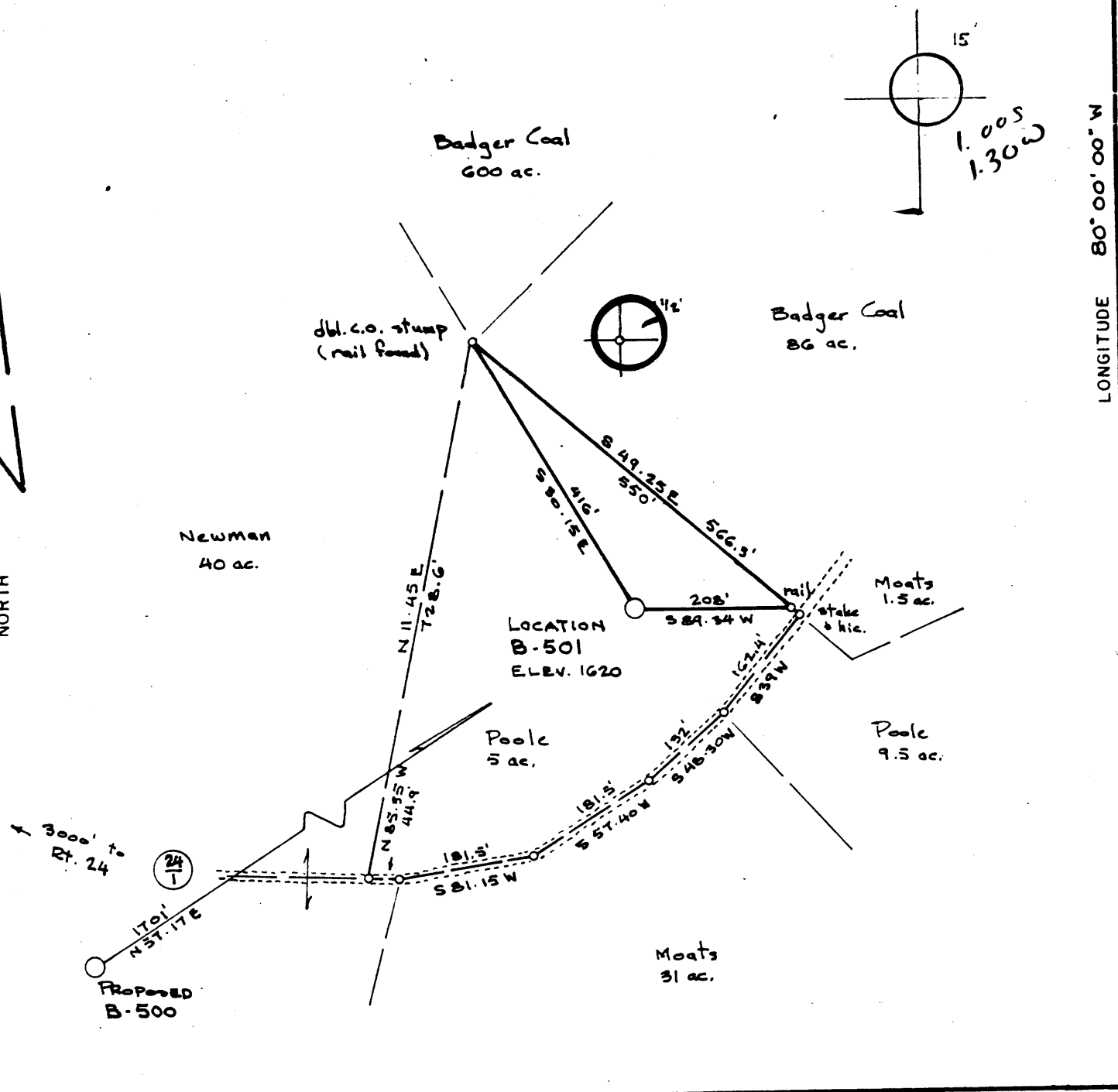
111.3, 2-29-82

6700'

LATITUDE 39° 10' 00" N

LONGITUDE 80° 00' 00" W

NORTH



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Rd. junction 850' NE of Location; Elevation 1660

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) [Signature]
 R. P. E. _____ L. L. S. 669

PLACE SEAL HERE

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



Department of Mines
 Oil & Gas Division

DATE FEBRUARY 5, 1982
 OPERATOR'S WELL NO. B-501
 API WELL NO. 47-001-1708
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1620 WATER SHED TYGART VALLEY RIVER
 DISTRICT PHILIPPI COUNTY BARBOUR
 QUADRANGLE PHILIPPI - 7 1/2' - 15' EC
 SURFACE OWNER HARRY E. POOLE ACREAGE 14.5
 OIL & GAS ROYALTY OWNER MARIE GALL LEASE ACREAGE 213
 LEASE NO. 2127
 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 6-6
 TARGET FORMATION HAVERTY ESTIMATED DEPTH 5200 Phillippi (309)
 WELL OPERATOR J & J ENTERPRISES, INC. DESIGNATED AGENT BERRY ENERGY CONSULTANTS & MGRS, INC.
 ADDRESS % BERRY ENERGY CONSULTANTS & MGRS, ADDRESS 11th FLOOR, UNION NATIONAL BANK BLDG. P.O. Box 5, CLARKSBURG, WV 26301

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
FRACED: July 1, 1982

1st Stage: 3rd Elk; 10,000, 80/100, 80,000, 20/40, 933 Bbls. H₂O
2nd Stage: (Foam) Benson; 800 Sks 20/40, 685,500 SCF/N₂, 345 Bbls. H₂O,
1332 Bbls. Foam.

PERFORATIONS: 3rd Elk; 4599-4611 -- 14 Holes
Benson; 3831-3834

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all free gas and salt water, coal, oil and c
Cond.			0	36	
Grey Sand & Shale			36	100	
Coal			100	105	Coal
Sand & Shale			105	170	
Sand			170	190	Water @ 175' - 1/2" stream
Coal			190	196	Coal
Sand & Shale			196	220	
Coal			220	225	Coal
Sand & Shale			225	290	
Sand			290	310	
Coal			310	314	Coal
Sand, Shale			314	715	
Red Rock			715	730	
Red Rock, Sand & Shale			730	750	
Red Rock			750	780	
Red Rock, Sand & Shale			780	825	
Sand & Shale			825	900	
Red Rock, Sand & Shale			900	1035	
Little Lime & Shale			1035	1080	
Big Lime			1080	1190	
Injun			1190	1290	
Sand & Shale			1290	1439	
Gantz			1439	1460	Water @ 1440', 1 1/2" Stream
Sand & Shale			1460	1505	
Gantz			1505	1565	
Dark Shale			1565	1580	
Sand, Shale & Red Rock			1580	1890	
Sandy			1890	1935	
Shale			1935	2100	Gas Ck @ 2106' - No Show
Sand & Shale			2100	3880	
Light Brown Sand			3880	3910	
First Elk			3910	4050	Gas Ck @ 3990' - No Show
Second Elk			4050	4090	
Sand & Shale			4090	4340	
Third Elk			4340	4370	Gas Ck @ 4388', 4/10, 1/2" w/water
Sand & Shale			4370	4820	
Light Brown Sand & Shale			4820	4890	
Fourth Elk, Dark Brown Sand			4890	4930	
Sand & Shale <i>Brallier</i>			4930	5097 TD	Gas Ck @ 4942', 4/10, 1/2" Fm/H ₂ O

(Attach separate sheets as necessary)

J & J Enterprise Inc. %

Berry Energy Consultants & Mgrs.

Well Operator

By: W B Berry

Date: 8/5/82

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."

FORM IV
(Obverse)

RECEIVED



Farm Mrs. Jesse Poole
API #47 - 001 - 1708
Date February 19, 1982

(Revised 3-81)

FEB 24 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas XX /

(If "Gas", Production XX / Underground storage ___ / Deep ___ / Shallow XX /

LOCATION: Elevation: 1620' Watershed: Tygart Valley River
District: Philippi County: Barbour Quadrangle: Philippi 7.5 Min.

WELL OPERATOR J & J Enterprise Inc. %
Berry Energy Consultants & Mgrs. DESIGNATED AGENT Berry Energy Consultants & Mgrs
Address P.O. Box 5 (Location 11th Floor Union National Bank Building
Clarksburg, West Virginia 26301 Clarksburg, West Virginia 26301

OIL AND GAS ROYALTY OWNER Marie Gall, et al
Address P. O. Box 301
Philippi, WV 26416
Acreage 91.66 of 213

COAL OPERATOR Mined Out
Address _____

SURFACE OWNER Mrs. Jesse Poole
Address Rt. 2,
Philippi, WV 26416
Acreage 14.5

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME Marie Gall
Address P. O. Box 301
Philippi, WV 26416
NAME Louise Heimel
Address 12700 S.W. Fielding Road
Lake Oswego, OR 97034

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

COAL LESSEE WITH DECLARATION ON RECORD:
NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Robert Stewart
Address P. O. Box 345
Jane Lew, WV 26378
Telephone 884-7782

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease XX / other contract ___ / dated Nov. 7, 1979, to the undersigned well operator from Marie Gall, et al to W. B. Berry (If said deed, lease, or other contract has been recorded:)

Recorded on November 21, 1979, in the office of the Clerk of County Commission of Barbour County, West Virginia, in OG 82 Book at page 395. 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) _____

--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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOLOGICAL LOGS DIRECTLY TO:

BLANKET BOND J & J Enterprise Inc. %
Berry Energy Consultants & Mgrs.
Well Operator

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311

By: [Signature]
Its: President

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Company

Address P.O. Box 48

Buckhannon, West Virginia 26201

GEOLOGICAL TARGET FORMATION Haverty
Estimated depth of completed well 5400' feet. Rotary XX / Cable tools /
Approximate water strata depths: Fresh, 140' & 1000 feet; salt, None feet.
Approximate coal seam depths: 100' & 140'
Is coal being mined in this area: Yes / No XX /

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New, Used), FOOTAGE INTERVALS (For Drill, Left in Well), CEMENT FILL (UP OR SACKS, Cubic ft.), PACKERS (Kinds, Sizes, Depths set, 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 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.

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 HERESY
APPROVED FOR drilling THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 11-11-82
BY [Signature]

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 regularions.

Date: , 19
By:
Its: