



FILE NO \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE \_\_\_\_\_ 1" = 400'  
 MINIMUM DEGREE OF ACCURACY \_\_\_\_\_ 1 in 200  
 PROVEN SOURCE OF ELEVATION Rd junction 2500' 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) Howard L. ...  
 R. P. E. \_\_\_\_\_ L. L. S. 669

PLACE SEAL HERE

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



DATE FEBRUARY 5, 1982  
 OPERATOR'S WELL NO. B-500  
 API WELL NO. 47-001-1707  
 STATE COUNTY PERMIT

Department of Mines  
 Oil & Gas Division

WELL TYPE: OIL \_\_\_\_\_ GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1505 WATER SHED TYGART VALLEY RIVER  
 DISTRICT PHILIPPI COUNTY BARBOUR  
 QUADRANGLE PHILIPPI - 7 1/2' DIS EC  
 SURFACE OWNER E. Newman ACREAGE 40  
 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 2-6 MAR 29 1982  
 TARGET FORMATION HAVERTY ESTIMATED DEPTH 5200 Philippi (309)  
 WELL OPERATOR J & J ENTERPRISES, Inc. DESIGNATED AGENT BERRY ENERGY CONSULTANTS & NGAS, Inc  
 ADDRESS % BERRY ENERGY CONSULTANTS & NGAS, ADDRESS 11th Floor, Union National Bank Bldg. P.O. Box 5, CLARKSBURG, WV 26301



Date June 14, 1982

**RECEIVED**

State of West Virginia

Department of Mines  
Oil and Gas Division

Operator's  
Well No. B-500

Farm Eileen Newman Mayle

API No. 47 - 001 - 1707

JAN 28 1983

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil     / Gas x / Liquid Injection     / Waste Disposal     /  
(If "Gas," Production x / Underground Storage     / Deep     / Shallow x /)

LOCATION: Elevation: 1505' Watershed Tygart Valley River  
District: Philippi County Barbour Quadrangle Philippi 7.5

COMPANY J & J Enterprise Inc. %  
Berry Energy Consultants & Mgrs.

ADDRESS P.O. Box 5, Clarksburg, W.Va. 26301

DESIGNATED AGENT SAME

ADDRESS SAME

SURFACE OWNER Eileen Newman Mayle

ADDRESS Rt. 2, Philippi, W.Va. 26416

MINERAL RIGHTS OWNER Marie Gall et al

ADDRESS P.O. Box 301, Philippi W.Va. 26416

OIL AND GAS INSPECTOR FOR THIS WORK Robert  
Stewart P.O. Box 345  
ADDRESS Jane Lew, WV 26378

PERMIT ISSUED March 11, 1982

DRILLING COMMENCED 6-5-82

DRILLING COMPLETED 6-12-82

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON    

Casing Tubing	Used-in Drilling	Left in Well	Cement fill up Cu. ft.
Size <u>11-3/4</u>			
<del>20 XXX</del> Cond.	<u>25'</u>	<u>25'</u>	
<u>13-10"</u>			
<u>9 5/8</u>			
<u>8 5/8</u>	<u>1510'</u>	<u>1510'</u>	<u>To Surface</u>
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	<u>4672'</u>	<u>4672'</u>	<u>300 Sks.</u>
<u>3</u>			<u>50/50 POZ</u>
<u>2</u>			
Liners used			

GEOLOGICAL TARGET FORMATION Haverty Depth 5400' feet

Depth of completed well 5413' feet Rotary XX / Cable Tools    

Water strata depth: Fresh 530' feet; Salt None feet

Coal seam depths: 5-9,160-165,185-190,255-260 Is coal being mined in the area? XX

OPEN FLOW DATA  
Producing formation 3RD Elk  
2nd Elk  
1st Elk Benson Pay zone depth 3763-4526 feet

Gas: Initial open flow 29.80 Mcf/d Oil: Initial open flow N/A Bbl/d  
Final open flow 1,055,000 Mcf/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests     hours

Static rock pressure 1600# psig (surface measurement) after 14 <sup>DAYS</sup> hours shut in  
(If applicable due to multiple completion--)

Second producing formation     Pay zone depth     feet  
Gas: Initial open flow     Mcf/d Oil: Initial open flow     Bbl/d  
Final open flow     Mcf/d Oil: Final open flow     Bbl/d

Time of open flow between initial and final tests     hours

Static rock pressure     psig (surface measurement) after     hours shut in

FEB 14 1983

(Continue on reverse side)

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

FRACED: July 5, 1982

- 1st Stage; 3rd Elk: 10,000, 80/100, 70,000, 20/40, 760 Bbls. H<sub>2</sub>O
- 2nd Stage; 2nd Elk: 10,000, 80/100, 60,000, 20/40, 675 Bbls. H<sub>2</sub>O
- 3rd Stage; 1st Elk: 10,000, 20/40, 60,000, 20/40, 662 Bbls. H<sub>2</sub>O
- 4th Stage; Benson: 70,000, 20/40, 765,000 N<sub>2</sub>, 273 Bbls. H<sub>2</sub>O, 908 Bbls. F

- PERFORATIONS: ~~3rd Elk~~; 4512-4526 - 14 Holes  
 2nd Elk; 4180-4183 - 13 Holes  
~~1st Elk~~; 4033-4037 - 15 Holes  
 Alexander  
 Benson; 3763-3767 - 15 Holes

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fire and salt water, coal, oil and g
Cond.			0	5	
Coal			5	9	Coal
Sand & Shale			9	15	
Sand			15	80	Hole Damp @ 50'
Sand & Shale			80	115	
Sand			115	160	
Coal			160	165	Coal
Sand & Shale			165	185	
Coal			185	190	Coal
Shale			190	210	
Sand			210	255	
Coal			255	260	
Sand & Shale			260	425	
Shale			425	480	
Sand & Shale			480	560	Water @ 530', 1 1/2" stream
Sand Shale & Red Rock			560	755	
Sand			755	835	
Sand, Shale & Red Rock			835	1055	
Lime			1055	1160	
Sand & Shale			1160	1175	
Injun. Sand			1175	1240	
Sand & Shale			1240	1415	
Gantz			1415	1500	
Sand			1500	1630	
Sand, Shale & Red Rock			1630	2100	
Sandy Shale			2100	2600	Gas Ck @ 2550' - No Show
Shale			2600	3780	
Brown Benson Sand			3780	3800	Gas Ck @ 3750' - No Show
Sandy Shale			3800	4055	
First Elk			4055	4090	
Sand & Shale			4090	4270	Gas Ck @ 4121', 14/10, 1/2" w/wat
Brown Sand			4270	4310	
Sandy Shale			4310	4570	
Brown Sand			4570	4600	
Sandy Shale			4600	4830	Gas Ck @ 4643', 8/10, 1" w/wat
Brown Sand			4830	4870	
Sandy Shale			4870	5220	
Sand			5220	5260	
Sand & Shale			5260	5370	
Sand <i>Braker @ T.D.</i>			5370	5413 TD.	

(Attach separate sheets as necessary)

J & J Enterprise Inc. %

Berry Energy Consultants & Mgrs.

Well Operator

By: *R. J. 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 ... encountered in the drilling of a well."

OKN 1572  
(Obverse)  
(Revised 3-81)

RECEIVED



FEB 24 1982

Form Eileen Newman Mayle  
API #47 - 001 - 1707  
Date February 19, 1982

OIL AND GAS DIVISION  
DEPARTMENT OF MINES AND RECLAMATION 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: 1505' 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 Eileen Newman Mayle  
Address Rt. 2  
Philippi, WV 26416  
Acreage 40

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 XXX / 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 COMMISSION  
1613 WASHINGTON ST., E.  
CHARLESTON, WV 25311

By: [Signature]

For: [Signature]

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 Drilling, 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 HEREBY
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 regulations.

Date: , 19 .
By:
Its: