

FORM IV-7
(Obverse)
THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 20
(Revised 3-81)
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY



well no. J. B. Wilson #1
Farm B. B. Wilson
API #47-073-1525
Date September 22, 1982

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
5-28-83 STATE OF WEST VIRGINIA
IF OPERATIONS HAVE NOT COMMENCED BY
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

BY [Signature]
OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil XX / Gas XX /
(If "Gas", Production XX / Underground storage ___ / Deep ___ / Shallow ___ /

LOCATION: Elevation: 738' Watershed: Alum Cave Run
District: Jefferson County: Pleasants Quadrangle: Schultz 7 1/2

WELL OPERATOR L & B Oil Company, Inc.
Address P. O. Box C
St. Marys, WV 26170

DESIGNATED AGENT Loren E. Bagley
Address P. O. Box C
St. Marys, WV 26170

OIL AND GAS
ROYALTY OWNER John Wilson, etal
Address Dutch Ridge Road
Beaver, PA 15009
Acreage 135

COAL OPERATOR None
Address _____

SURFACE OWNER John Wilson, etal
Address Dutch Ridge Road
Beaver, PA 15009
Acreage 135

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME N/A
Address _____
NAME N/A
Address _____

FIELD SALE (IF MADE) TO:
NAME None
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
NAME N/A
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Robert Lowther
Address 3rd St., Middlebourne, WV
Telephone 304-758-4764

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SEP 27 1982

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 XX / other contract ___ / dated 10/24, 1981, to the undersigned well operator from _____.

(If said deed, lease, or other contract has been recorded:)

Recorded on 10/27, 1981, in the office of the Clerk of County Commission of Pleasants County, West Virginia, in 168 Book at page 676. 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 GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

L & B Oil Company, Inc.
Well Operator

By: [Signature]
Its: [Signature]

(Revised 3-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Unknown

Address _____

GEOLOGICAL TARGET FORMATION Dovenian Shale (Benson)
Estimated depth of completed well 4200 feet. Rotary XX / Cable tools /
Approximate water strata depths: Fresh, 80 feet; salt, N/A feet.
Approximate coal seam depths: None
Is coal being mined in this area: Yes / No XX /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling	Left in Well		
Conductor	10"	RL	40.5	XX		250	250	to surface	Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8	RL	23	XX		1200'	1200	to surfac	
Production	4 1/2"	RL	10.5	XX		4200	4200	By rule 150	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 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.

Yes No XX The right to extract, produce or market the oil or gas is based upon a lease or other continuing contract or contracts providing or 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 and gas so extracted, produced or marketed.

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: _____

BLANKET BOND



DATE 9 September 1982

WELL NO. J.B. Wilson #1

API NO. 47 - 073 - 1525

State of West Virginia

Department of Mines
Oil and Gas Division
Construction & Reclamation Plan

COMPANY NAME L + B Oil Co., Inc.
ADDRESS 210 Second Street
St. Marys, W. Va. 26170
Telephone (304) 684-9399

DESIGNATED AGENT Loren E. Bagley
ADDRESS 210 Second Street
St. Marys, W. Va. 26170
Telephone (304) 684-9399

LANDOWNER B. Wilson

SOIL CONS. DISTRICT Upper Ohio

Revegetation to be carried out by Loren Bagley (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections and additions become a part of this plan:

9/22/82
(Date)
 Kenneth R. Mason
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Cross Drain (A)
Spacing 45' To 400' (As Needed)
Page Ref. Manual 2:1

Structure Diversion Ditch (1)
Material Soil
Page Ref. Manual 2:12

Structure Rip-Rap (Rock-Logs) (B)
Spacing Same as Cross Drain
Page Ref. Manual 2:9

Structure Rip-Rap (2)
Material Rock-Logs
Page Ref. Manual 2:9

Structure Drainage Ditch (C)
Spacing _____
Page Ref. Manual 2:12

Structure _____ (3)
Material _____
Page Ref. Manual SEP 27 1982

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All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber cut and removed from the site before dirt work begins.

DEPT. OF MINES

REVEGETATION

Treatment Area I

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or Straw 2 Tons/acre
Seed* KY 31 Tall Fescue 40 lbs/acre
Redtop 5 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
_____ lbs/acre

Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or Straw 2 Tons/acre
Seed* KY 31 Tall Fescue 40 lbs/acre
Redtop 5 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
_____ lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY William R. Mossor, L.L.

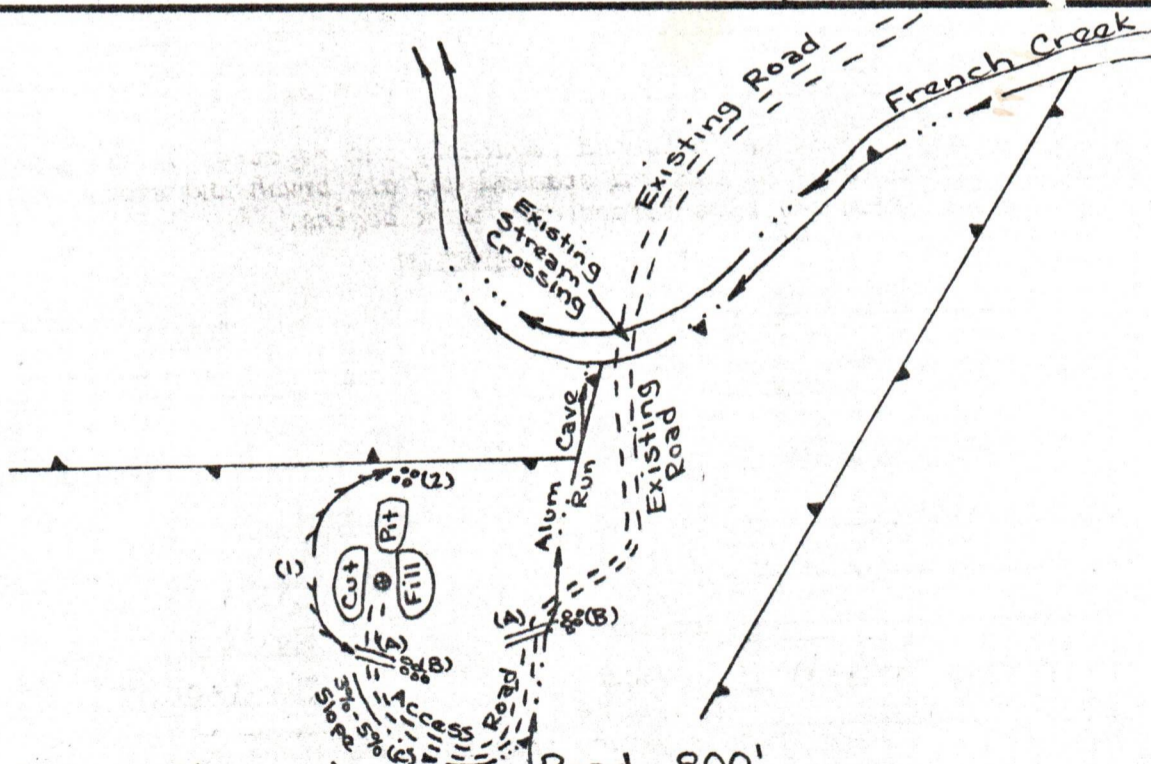
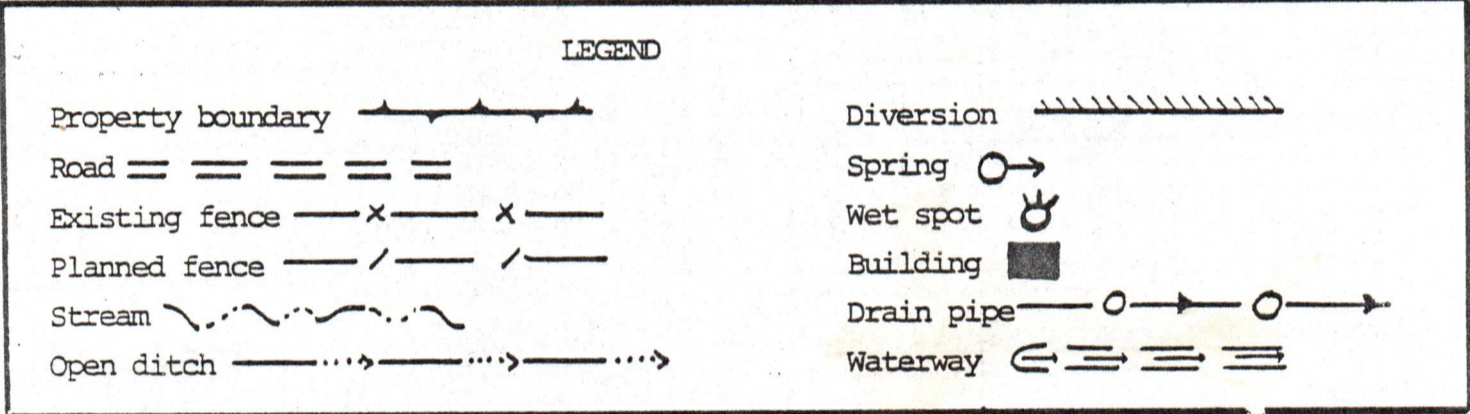
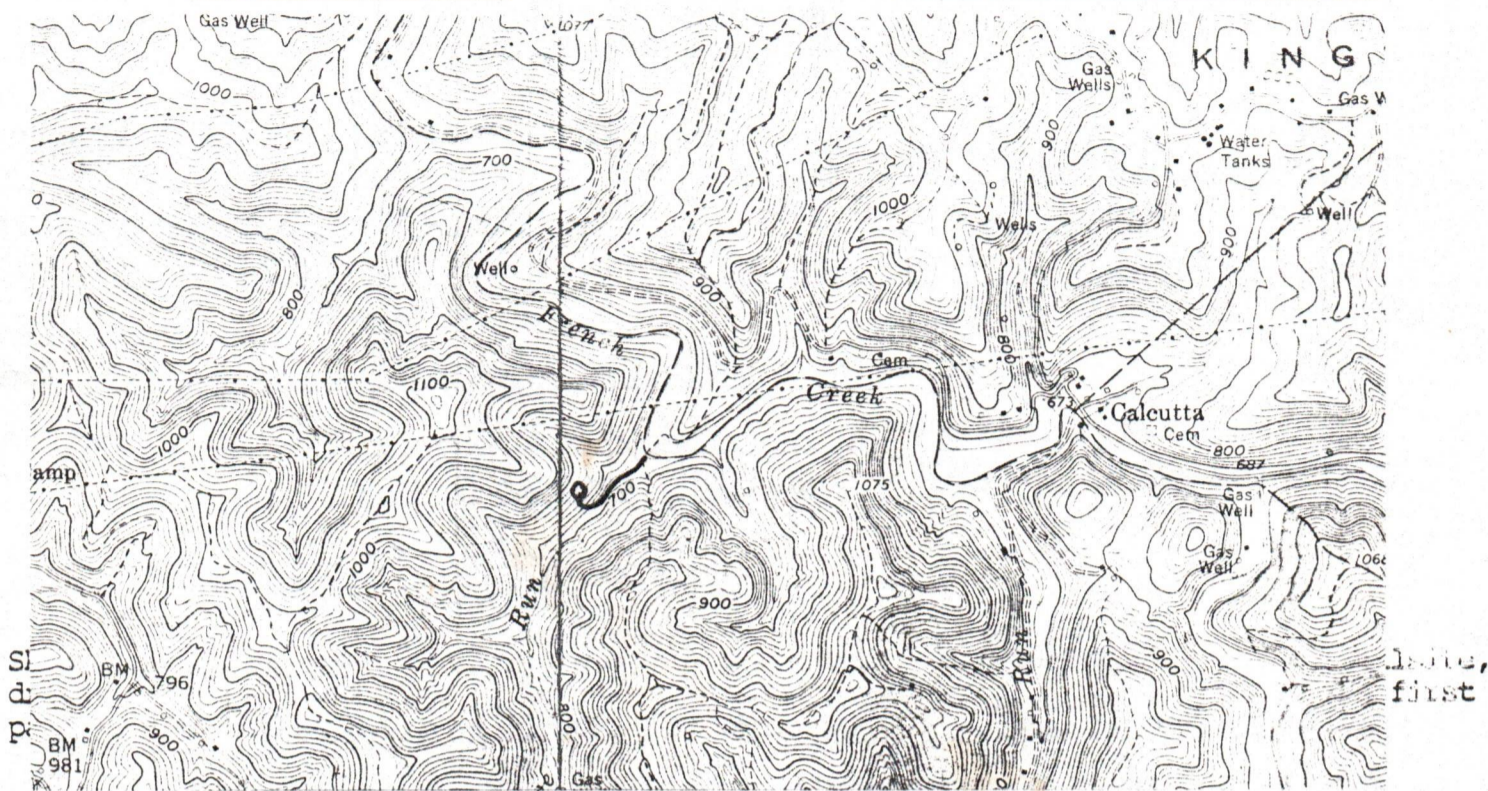
ADDRESS 106 North Spring Street
Harrisville, W. Va. 26362

PHONE NO. (304) 643-4572

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Schultz

LEGEND
WELL SITE ⊕ ACCESS ROAD —



- Comments:
1. Length of Access Road 800'
 2. Brush and Trees to be Piled at Site
 3. _____
 4. _____
 5. _____

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SEP 11 1984



IV-35
Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date October 10, 1983
Operator's
Well No. J.B. Wilson #1
Farm J.B. Wilson
API No. 47 - 073 - 1525

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 746' Watershed Alum Cave Run
District: Jefferson County Pleasants Quadrangle Schultz

COMPANY L & B Oil Company, Inc.
ADDRESS P.O. Box C, St. Marys, WV 26170
DESIGNATED AGENT Bernard Tice
ADDRESS P.O. Box C, St. Marys, WV 26170
SURFACE OWNER J.A. Wilson
ADDRESS Dutch Ridge Rd., Beaver, PA 15009
MINERAL RIGHTS OWNER J.A. Wilson
ADDRESS Dutch Ridge Rd., Beaver, PA 15009
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther
ADDRESS 3rd St., Middlebourne
PERMIT ISSUED 9-27-82
DRILLING COMMENCED 10-19-82
DRILLING COMPLETED 10-22-82

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	876'	876'	to surface
7			
5 1/2			
4 1/2	4168'	4168'	600 sks
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 4200 feet
Depth of completed well 4200 feet Rotary X / Cable Tools
Water strata depth: Fresh 80 feet; Salt 1310 feet
Coal seam depths: None Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Gordon, Speechley Pay zone depth 3629 feet
Gas: Initial open flow 750 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 500 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure 920 psig (surface measurement) after 48 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

(Continue on reverse side)

PLEASANTS

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

- Stage #1 - 14 perfs. from 3564 to 3629 Frac with 700,000 SCF N2.
- Stage #2 - 14 perfs. from 3408 to 3474 Frac with 700,000 SCF N2.
- Stage #3 - 18 perfs. from 2363 to 2420 Frac with foam frac 300,000 SCF N2 20,000 lbs. 20/40 sand.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale			0	350	
Red Shale and Sandstone			350	950	
Sandstone and Shale			950	1966	
Berea			1966	1970	
Gordon			2258	2276	
Speechley			3408	3629	
Shale			3629	4204	

(Attach separate sheets as necessary)

L & B Oil Company, Inc.

Well Operator

By: Bernard Tice President

Date: October 10, 1983

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 sand, encountered in the drilling of a well."

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

INSPECTOR'S WELL REPORT

Permit No. 073-1525

Oil or Gas Well _____
(KIND)

Company <u>L&B oil co</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>St Marys w. Va.</u>	Size			
Farm <u>John Wilson</u>	16			Kind of Packer
Well No. <u>1</u>	13			
District <u>Jefferson</u> County <u>pleasant</u>	10			Size of
Drilling commenced <u>10-18-82</u>	8 1/4	<u>876</u>	<u>876</u>	
Drilling completed <u>10-22-82</u> Total depth <u>4210</u>	6 3/8			Depth set
Date shot _____ Depth of shot _____	4 1/2	<u>4200</u>	<u>4200</u>	
Initial open flow _____ /10ths Water in _____ Inch	5 8/16			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	3			Perf. bottom
Volume _____ Cu. Ft.	2			Perf. top
Back pressure _____ lbs. _____ hrs.	RECEIVED			Perf. bottom
_____ bbls., 1st 24 hrs.	OCT 29 1982			
Fresh water _____ feet _____ feet	OIL AND GAS DIVISION WV DEPARTMENT OF MINES			
Salt water _____ feet _____ feet	CASING CEMENTED <u>10-23-82</u>	SIZE <u>4200</u>	No. FT <u>10-23-82</u>	Date
Drillers' Names _____	NAME OF SERVICE COMPANY <u>Halliburton</u>			
Remarks: <u>8" cemented with 260 SK cement</u>	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
<u>4 1/2" cemented with 380 SK "</u>	_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES	
	_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES	

10-22-82

R.A. Lowther

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED SIZE LOST

Drillers' Names _____

Remarks: _____

 I hereby certify I visited the above well on this date.
 DATE



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OCT 30 1984

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
October 1, 1984

COMPANY L & B Oil Company, Inc.

PERMIT NO 073-1525

P. O. Box C

FARM & WELL NO John Wilson #1

St. Marys, West Virginia 26170

DIST. & COUNTY Jefferson/Pleasants

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	✓	
25.04	Prepared before Drilling to Prevent Waste	✓	
25.03	High-Pressure Drilling	✓	
16.01	Required Permits at Wellsite	✓	
15.03	Adequate Fresh Water Casing	✓	
15.02	Adequate Coal Casing	✓	
15.01	Adequate Production Casing	✓	
15.04	Adequate Cement Strenght	✓	
15.05	Cement Type	✓	
23.02	Maintained Access Roads	✓	
25.01	Necessary Equipment to Prevent Waste	✓	
23.04	Reclaimed Drilling Pits	✓	
23.05	No Surface or Underground Pollution	✓	
23.07	Requirements for Production & Gathering Pipelines	✓	
16.01	Well Records on Site	✓	
16.02	Well Records Filed	✓	
7.05	Identification Markings	✓	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED R. H. Fowler

DATE Oct 26, 1984

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

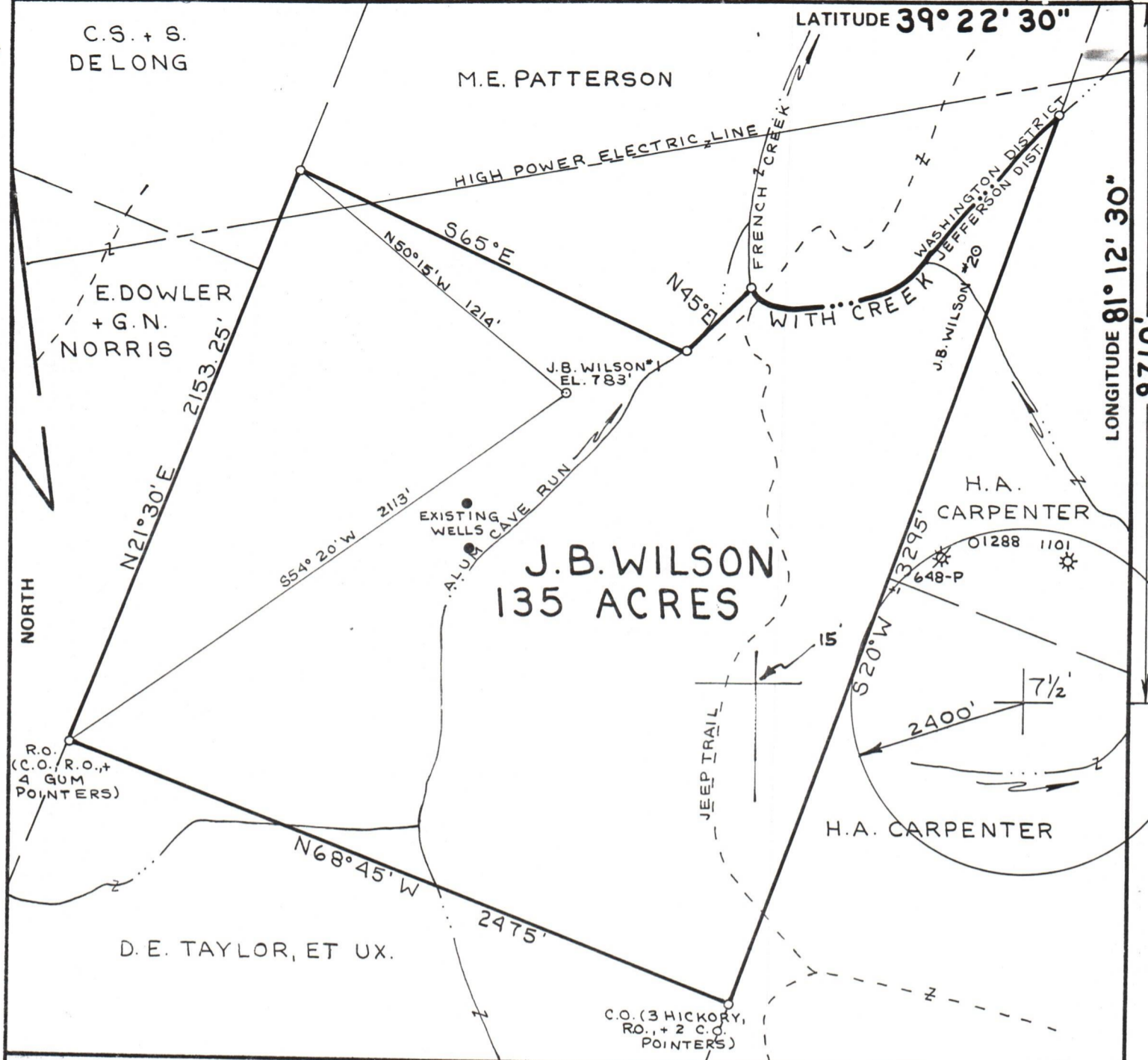
Administrator-Oil & Gas Division

January 9, 1985

DATE

M.A. 9/28/82

1470'



FILE NO. _____
 DRAWING NO. _____
 SCALE **1" = 500'**
 MINIMUM DEGREE OF ACCURACY **1:200**
 PROVEN SOURCE OF ELEVATION **ROAD INT. 673'**

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) *William R. Hesser*
 R.P.E. _____ L.L.S. **551**

PLACE SEAL HERE

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



DATE **9 SEPTEMBER, 19 82**
 OPERATOR'S WELL NO. **J.B. WILSON #1**
 API WELL NO. _____
47 - 073 - 1525
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION **738'** WATER SHED **ALUM CAVE RUN**
 DISTRICT **JEFFERSON** COUNTY **PLEASANTS**
 QUADRANGLE **SCHULTZ** **7 1/2'**
 SURFACE OWNER **B. WILSON** ACREAGE **135**
 OIL & GAS ROYALTY OWNER **J.B. WILSON** LEASE ACREAGE **135**
 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 **BENSON** ESTIMATED DEPTH **4200'**
 WELL OPERATOR **L+B OIL CO., INC.** DESIGNATED AGENT **LOREN E. BAGLEY**
 ADDRESS **210 SECOND STREET** ADDRESS **210 SECOND STREET**
ST. MARYS, W.VA. 26170 **ST. MARYS, W.VA. 26170**