

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 (Revised 3-81) drilling. THIS PERMIT SHALL EXPIRE 4-12-83 IF OPERATIONS HAVE NOT COMMENCED BY

well no. Cunningham # 1
Farm Darwin Cunningham
API # 47 - 073- 1516
Date August 10, 1982



BY [Signature] STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil xx / Gas xx /

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

LOCATION: Elevation: 919" Watershed: Fishpot Run
District: Union County: Pleasants Quadrangle: Raven Rock 7 1/2 Quad

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 D.B. Cunningham, et al
Address Rt. 1
St. Marys, WV 26170
Acreage 94.62

COAL OPERATOR N/A
Address _____

SURFACE OWNER Darwin Cunningham
Address Rt. 1
St. Marys, WV 26170
Acreage 94.62

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

FIELD SALE (IF MADE) TO:
NAME _____
Address _____

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

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Robert Lowther
Address 3rd Street
Middlebourne, WV 26149
Telephone (304) 758 4764

RECEIVED

AUG 11 1982

OIL AND GAS DIVISION
WV DEPARTMENT 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 7/7, 1982, to the undersigned well operator from Brooks & Phyllis Cunningham et al.

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

Recorded on July 19, 1982, in the office of the Clerk of County Commission of Pleasants County, West Virginia, in 176 Book at page 185. 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 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: President

(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) _____

Address _____

GEOLOGICAL TARGET FORMATION Elk
Estimated depth of completed well 3900' feet. Rotary xx / Cable tools /
Approximate water strata depths: Fresh, 80 feet; salt, N/A feet.
Approximate coal seam depths: N/A
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#	X		250	250	To surface	Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8	RL	23#	X		1200	1200	To Surface	
Production	4 1/2	RL	10.5#	X		3900	3900	By rule 1501	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 leases 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 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: _____



IV-9
(Rev 8-81)

DATE 4 AUGUST, 1982

WELL NO. CUNNINGHAM #1

API NO. 47 - 073 - 15/6

State of West Virginia

Department of Mines

Oil and Gas Division

Construction & Reclamation Plan

COMPANY NAME L/B OIL COMPANY

DESIGNATED AGENT LOREN BAGLEY

ADDRESS 210 SECOND STREET

ADDRESS 210 SECOND STREET

ST. MARYS, W.VA. 26170

ST. MARYS, W.VA. 26170

Telephone (304) 684-2495

Telephone (304) 684-2495

LANDOWNER DARWIN CUNNINGHAM

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:

8/9/82

(Date)

Kenneth R. Mason

(SCD Agent)

ACCESS ROAD

LOCATION

Structure CROSS DRAIN (A)

Structure DIVERSION DITCH (1)

Spacing 45' TO 400' (AS NEEDED)

Material SOIL

Page Ref. Manual 2:1

Page Ref. Manual 2:12

Structure RIP-RAP (STONE-LOGS) (B)

Structure RIP-RAP (2)

Spacing SAME AS CROSS DRAIN

Material ROCK-LOGS

Page Ref. Manual N/A

Page Ref. Manual N/A

Structure DRAINAGE DITCH (C)

Structure _____ (3)

Spacing _____

Material _____

Page Ref. Manual 2:12

Page Ref. Manual _____

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 to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch HAY OR STRAW 2 Tons/acre

Mulch HAY OR STRAW 2 Tons/acre

Seed* KY 31 TALL FESCUE 40 lbs/acre

Seed* KY 31 TALL FESCUE 40 lbs/acre

REDFEET 5 lbs/acre

REDFEET 5 lbs/acre

BIRDSEED TREFOIL 10 lbs/acre
lbs/acre

BIRDSEED 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.S.

ADDRESS 106 NORTH SPRING STREET

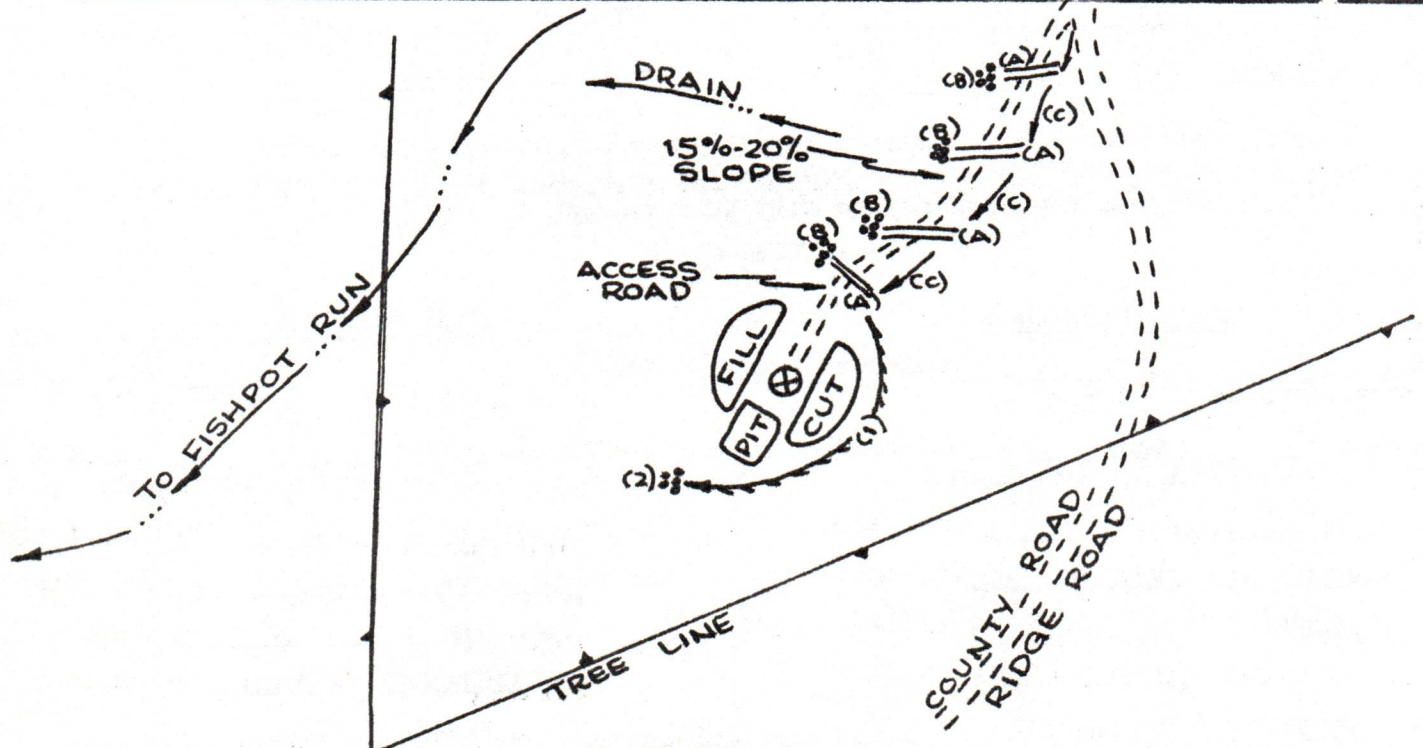
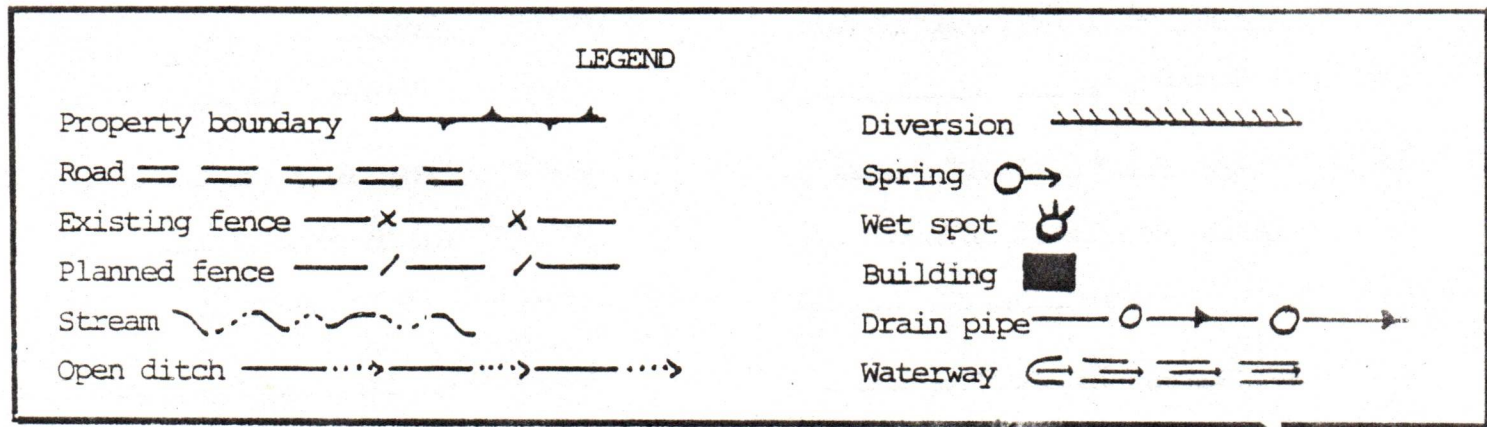
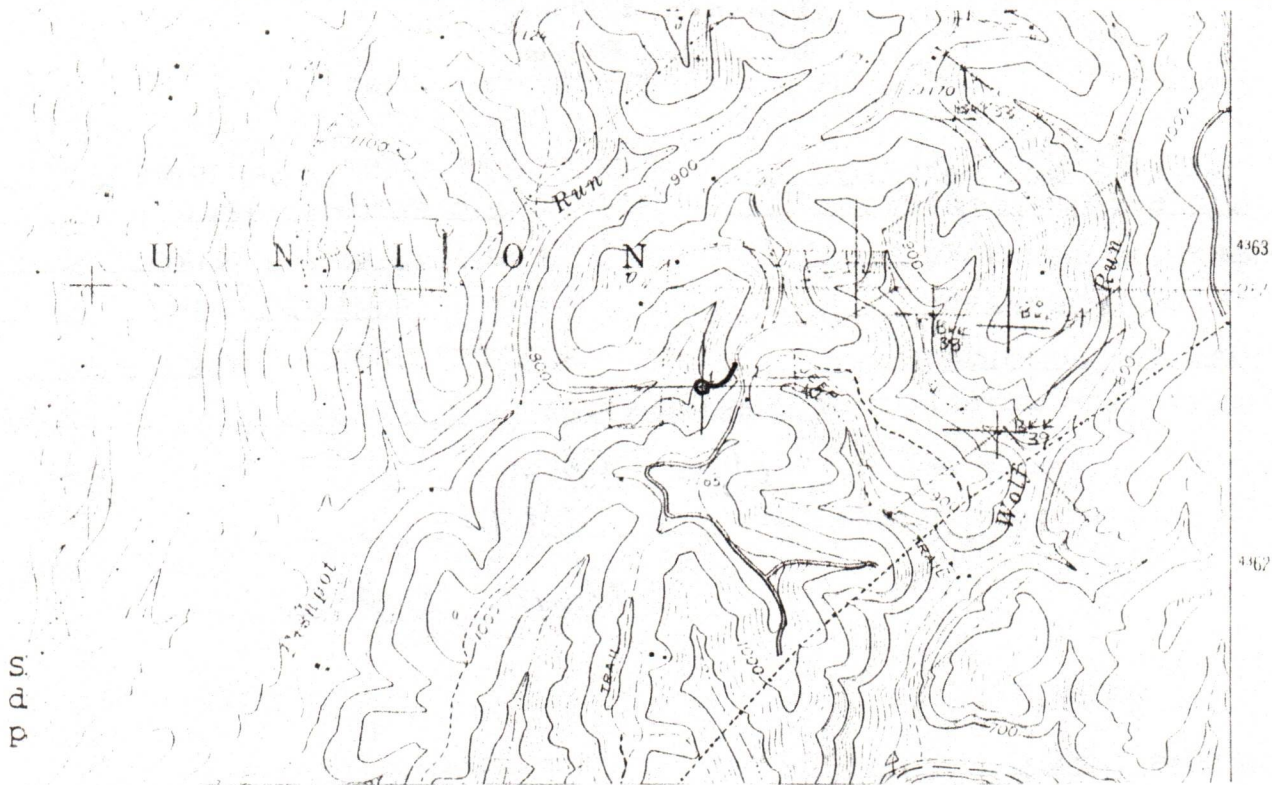
HARRISVILLE, W.VA. 26362

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 RAVEN ROCK

LEGEND
WELL SITE ⊕ ACCESS ROAD —



- Comments:
1. LENGTH OF ACCESS ROAD 500'
 2. BRUSH AND TREES TO BE PILED AT SITE.
 3. _____
 4. _____
 5. _____



1) Date: April 18, 19 83
 2) Operator's Well No. Cunningham #1
 3) API Well No. 47 073 1516(Re)
 State County 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 XX / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow _____ /)
- 5) LOCATION: Elevation: 919' Watershed: Fishpot Run
 District: Union County: Pleasants Quadrangle: Raven Rock 7 1/2
- 6) WELL OPERATOR L & B Oil Company, Inc. 11) DESIGNATED AGENT Bernard Tice
 Address P.O. Box C Address P.O. Box C
St. Marys, WV 26170 St. Marys, WV 26170
- 7) OIL & GAS ROYALTY OWNER D.B. Cunningham, et al 12) COAL OPERATOR N/A
 Address Rt. 1 Address _____
St. Marys, WV 26170
- 8) SURFACE OWNER Darwin Cunningham 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Rt. 1 Name N/A
St. Marys, WV 26170 Address _____
 Acreage 94.62 Name N/A
 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert Lowther
 Address 3rd Street
Middlebourne, WV 26149
- 15) PROPOSED WORK: Drill XX / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Benson
- 17) Estimated depth of completed well, 4600' feet
- 18) Approximate water strata depths: Fresh, 80 feet; salt, N/A feet.
- 19) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No XX /

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	11 3/4	RL	40.5#	X		250	250	To surface	Kinds <u>NEAT</u>
Fresh water									
Coal									Sizes
Intermediate	8 5/8	RL	23#	X		1200	1200	To surface	
Production	4 1/2	RL	10.5#	X		4600	4600	By rule 1501	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: Betty Spingleton
 My Commission Expires August 4, 1992

Signed: Bernard Tice
 Its: President

OFFICE USE ONLY

Permit number 47-073-1516-REN. **DRILLING PERMIT** Date April 25, 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. 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 December 25, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>lo</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>005498</u>
-----------------	------------------	--------------------------	----------------------------	--------------------

[Signature]
 Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—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.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.
- 24) **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 the receipt of this Application by the Department.**

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.

WAIVER

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 _____

THIS LEASE, Made this 7th day of July, 1982

by and between Brooks + Phyllis Cunningham, Robert + Barbara Cunningham, Deloris + James Lomp

hereinafter called Lessor, party of the first part, and

L+B Oil Company Inc. 210 Second Street, P.O. Box C
ST Marys, W.V., 26170

hereinafter called Lessee, party of the second part.

WITNESSETH: That the Lessor in consideration of the sum of One Dollar to him in hand by said Lessee, receipt of which is hereby acknowledged, and of the covenants and agreements herein contained the said Lessors do hereby let, lease unto the said Lessee, his heirs and assigns, for the purpose of drilling and operating for oil and gas, and of building tanks, stations, and structures thereon to take care of said products, and of laying pipe lines on, over and across the leased premises hereinafter described, together with the right to use water from said premises in operation for same, except from private water supplies, and right of way for road ways over said premises.

All that certain tract of real estate situated in Union District, Pleasants County, West Virginia, bound and described as follows:

Bound on the North by lands of S. Mc Fadden

Bound on the West by lands of A.L. Bailey

Bound on the South by lands of Jonas Sarver

Bound on the East by lands of Chas. Gardner

containing 93 acres, more or less. Recorded in Deed Book 86, 144, page 288, 580 in said county.

It is agreed that this lease shall remain in force for a term of ONE year with a none year option from this date, and as long thereafter as oil and gas, or either of them is produced in paying quantities from said premises.

In consideration of the premises the said Lessee covenants and agrees as follows:

to which he may connect his wells the equal one-eighth (1/8) part or portion of the one-eighth (1/8) part of all oil produced and sold from the leased premises.

- BOOK 176 PAGE 186
2. To deliver to the credit of Lessors free of costs in pipe lines to which he may connect his well, the equal one-eighth (1/8) part or their portion of the one-eighth (1/8) part of all gas produced and marketed from the leased premises, and the Lessors shall have the right to free gas from any such well or wells for heating and lighting any Three (3) buildings on the property, making their own connections therefor at their own risk and expense. Lessor shall have the right to 200 MCF of gas per year, free of cost. All in excess of 200 MCF, the Lessor shall pay the Lessee the field posted price per MCF.
 3. The Lessee agrees to pay as delay rental the sum of 5 (FIVE) per acre, payable annually, not after, a well yielding royalty to the Lessors is drilled on said premises. All payments for delay, for oil or gas produced and marketed shall be made direct to the Lessors or deposited to their credit in the bank of their choice.
 4. Lessee agrees to locate all wells so as to interfere as little as possible with the cultivation portion of the farm and not drill within 200 feet of dwellings or buildings on said premises except by mutual consent.
 5. In cultivated areas Lessee shall bury all pipe lines below plow depth. Lessee shall pay for damages caused by its operation to growing crops on said land.
 - 6.

 7. All roads and grounds shall be restored to its original contour and conditions as existed before this lease, as well as any excavations made by Lessee to the satisfaction of both parties involved.
 8. In case a gas well is drilled but is not of commercial value the Lessor is to have first right of refusal to purchase well from Lessee for their own personal reasons for a price agreeable to both parties involved.
 9. Once drilling is commenced on a well, work on said well will continue diligently until well is completed.
 10. Lessee shall have the right at any time to remove all machinery and fixtures placed on said premises, including the right to draw and remove casing.
 11. Should it be determined that Lessor owns less than the entire interest in and to the oil and gas in the leased premises, Lessor shall receive only that portion of the rentals and royalties herein before provided which Lessor's interest, with Lessee assuming the risk of any lack of entitlement or right in Lessor to make this lease.
 12. If, at the expiration of the primary term of this lease, no oil or gas is being produced on said lease but Lessee is then engaged in drilling or reworking operations thereon, this lease shall remain in force so long as such operations are continuously prosecuted and as long thereafter as oil or gas is produced. If, after the discovery of oil or gas the production shall cease, this lease shall not terminate providing Lessee continues drilling or reworking operations.
 13. Lessee will consult with Lessor as to the location of well sites, Access roads, and storage tanks

- 14. Lessee agrees that after one year from completion of first well if a second well has not been initiated then lessee shall retain only 20 Acres surrounding first well.
- 15. Lessee agrees to provide installation of gas lines to three dwellings. Each dwelling to have 200 MCF of free gas
- 16. Gas lines to dwellings shall be underground, lines through pasture & meadows shall be below plow depth.
- 17. Lessee shall take care to hold well site & access roads to a minimum size. Top soil shall be placed aside for use in reclamation
- 18. Trees cut for clearing shall be placed aside for Lessor to obtain firewood. Trees of commercial logging size are to be pulled to lessors mill located on property.
- 19. Lessee shall provide gas to three additional dwellings at $\frac{1}{2}$ the field posted price provided more than one well is drilled on leased acreage
- 20. Lessor is reserving thirteen acres of the total ninety three Acre tract from drilling by lessee. Said thirteen acre shall surround R. Cunningham dwelling encompassed in said lease - Said reservation to be a partial of first tract.
- 21. _____
- 22. _____
- 23. _____
- 24. _____
- 25. _____

WITNESS the following signatures and seals

<u>Jean Stull Reston</u> Witness	<u>Barbara Cunningham</u> Lessor Seal
<u>Barbara Cunningham</u> Witness	<u>Phyllis Cunningham</u> Lessor Seal
<u>Phyllis Cunningham</u> Witness	<u>Barbara Cunningham</u> Lessor Seal
<u>Phyllis Cunningham</u> Witness	<u>Robert Cunningham</u> Lessor Seal
<u>Phyllis Cunningham</u> Witness	<u>Deloris Lamp</u> Lessor Seal
<u>Phyllis Cunningham</u> Witness	<u>James G. Lamp</u> Lessor Seal
_____ Witness	_____ Lessor Seal
_____ Witness	_____ Lessor Seal
_____ Witness	_____ Lessor Seal
_____ Witness	_____ Lessor Seal
_____ Witness	_____ Lessor Seal
_____ Witness	_____ Lessor Seal

STATE OF West Virginia
COUNTY OF Pleasant

TO WIT:

The foregoing instrument was acknowledged before me this the 4th Day of July, 1982, By Barbara and Phyllis Cunningham.

Given under my hand this the 11th day of July, 1982.
My Commission expires: October 7, 1991.

Jessie D. McDaniel
Notary Public

STATE OF West Virginia
COUNTY OF Pleasant

TO WIT:

The foregoing instrument was acknowledged before me this the 11th Day of July, 1982, By Barbara and Robert Cunningham.

Given under my hand this the 11th day of July, 1982.
My Commission expires: October 7, 1991.

Jessie D. McDaniel
Notary Public

STATE OF West Virginia
COUNTY OF Pleasants

TO WIT:

The foregoing instrument was acknowledged before me this the 11th day of July, 1982, by Shelvis and James D. Lamp

Given under my hand this the 11th day of July, 1982.
My Commission expires: October 7, 1991

Joanna D. McAlland
Notary Public

STATE OF _____
COUNTY OF _____

TO WIT:

The foregoing instrument was acknowledged before me this the _____ day of _____, _____, by _____

Given under my hand this the _____ day of _____, _____.
My Commission expires: _____

Notary Public

STATE OF _____
COUNTY OF _____

TO WIT:

The foregoing instrument was acknowledged before me this the _____ day of _____, _____, by _____

Given under my hand this the _____ day of _____, _____.
My Commission expires: _____

Notary Public

STATE OF _____
COUNTY OF _____

TO WIT:

The foregoing instrument was acknowledged before me this the _____ day of _____, _____, by _____

Given under my hand this the _____ day of _____, _____.
My Commission expires: _____

Notary Public

This instrument was prepared by: _____

STATE OF WEST VIRGINIA, COUNTY OF PLEASANTS, TO-WIT:
OFFICE OF THE CLERK OF THE COUNTY COURT OF PLEASANTS COUNTY.

The foregoing paper writing was this day 7/19/82, at 2:20pm presented for record in my office, and thereupon, together with the certificate thereto annexed, is admitted to record.

Teste: Juda W. Hammett Clerk,
County Court of Pleasants County

RECEIVED

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 November 7, 1983
Operator's Cunningham
Well No. Cunningham #1
Farm D.B. Cunningham
API No. 47 - 073 - 1516 RE

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: 919' Watershed Fishpot Run
District: Union County Pleasants Quadrangle Raven Rock

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 D. B. Cunningham
ADDRESS Rt. 1, St. Marys, WV 26170
MINERAL RIGHTS OWNER D.B. Cunningham
ADDRESS Rt. 1, St. Marys, WV 26170
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther
ADDRESS Middlebourne, WV
PERMIT ISSUED 4-19-83
DRILLING COMMENCED 7-5-83
DRILLING COMPLETED 7-11-83

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 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1096	1096	to surface
7			
5 1/2			
4 1/2	4956	4956	500 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 4600 feet
Depth of completed well 4410 feet Rotary XX / Cable Tools
Water strata depth: Fresh 80 feet; Salt N/A feet
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4410 feet
Gas: Initial open flow 450 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 400 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure 1350 psig (surface measurement) after 24 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)

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

16 perms between 4410 and 4522

Frac with 720,000 SCf of N2

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	300	
Shale and Red Shale			300	750	
Red Shale			750	900	
Shale and Sandstone			900	1350	
Injun Series			1350	1870	Show of gas
Berea			2210	2214	
Gordon			2604	2620	
Speechley			3440	3468	Show of oil
Balltown			3536	3736	
Benson			4418	4450	Show of oil and gas
Shale to TD			4450	5014	

(Attach separate sheets as necessary)

L & B Oil Company, Inc.

Well Operator

By: Bernard Tice President

Date: November 7, 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 coal, encountered in the drilling of a well."

RECEIVED

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

JUL 14 1983

OIL & GAS DIVISION
DEPT. OF MINES
INSPECTOR'S WELL REPORT

Permit No. 073-1516

Oil or Gas Well _____
(KIND)

Company H & B oil co
 Address St marys w. Va.
 Farm D. B. Cuhningham
 Well No. 1
 District union County pleasants
 Drilling commenced _____
 Drilling completed 7-11-83 Total depth 5000
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: _____

7-12-83
DATE

R. A. Lowther
DISTRICT WELL INSPECTOR

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

RECEIVED

JUL 12 1983

OIL & GAS DIVISION
INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 073-1516

Oil or Gas Well _____
(KIND)

Company L & B Oil Co
 Address St Marys w Va
 Farm D Cunningham
 Well No. 1
 District union County pleasant
 Drilling commenced July 5 83
 Drilling completed _____ Total depth 2340
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4	1086	1086	
6 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 8 5/8 SIZE 1086 No. FT. 7-7-83 Date
 NAME OF SERVICE COMPANY Halliburton
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: Cemented with 260 SFS Cement

7-8-83
DATE

R.A. Lowther
DISTRICT WELL INSPECTOR



RECEIVED
OCT 30 1984
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
October 1, 1984

COMPANY L & B Oil Company, Inc.
P. O. Box C
St. Marys, West Virginia 26170

PERMIT NO 073-1516
FARM & WELL NO Darwin Cunningham #1
DIST. & COUNTY Union/Pleasants

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

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

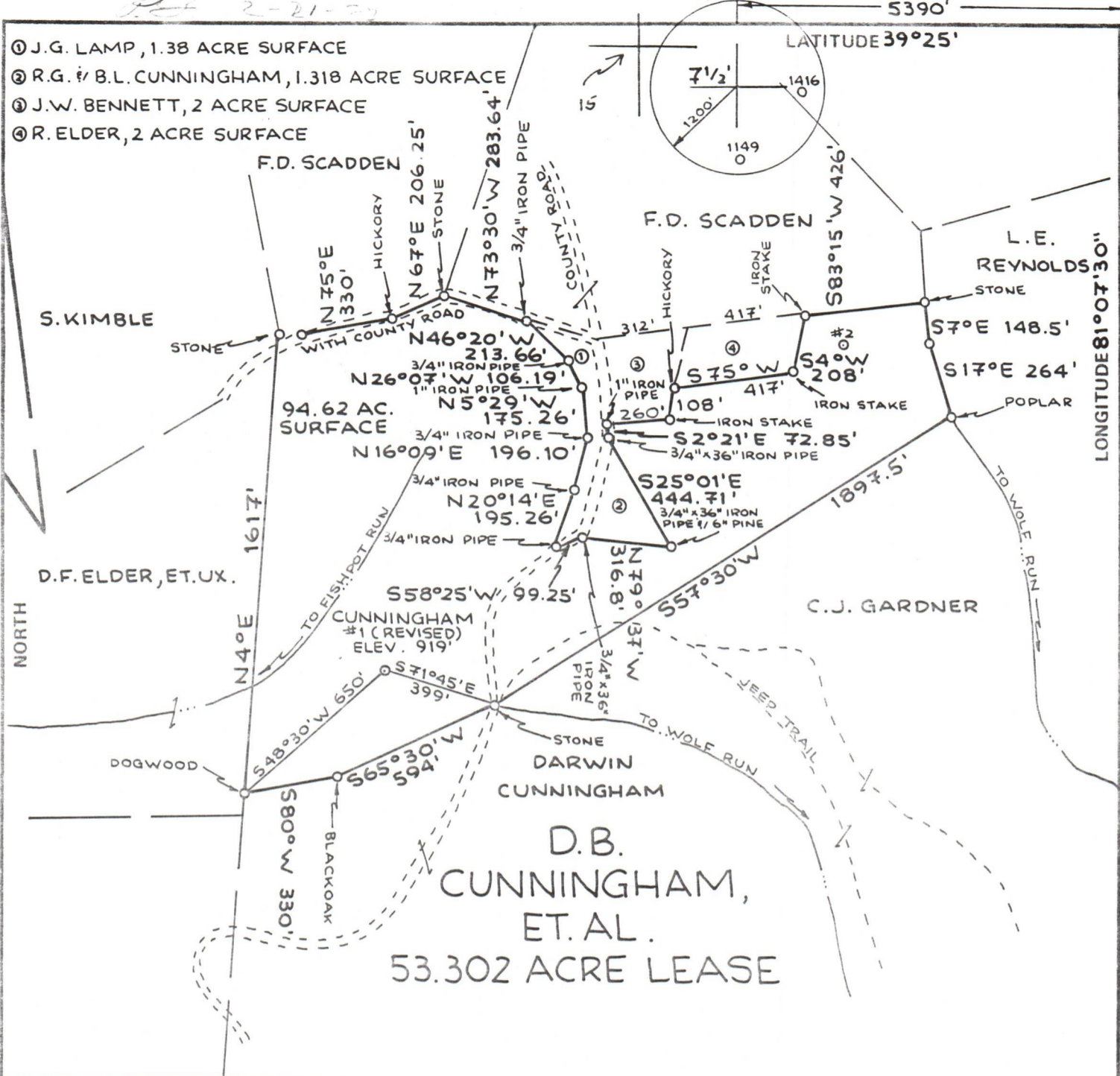
SIGNED R. A. Lowther
DATE Oct 26, 1984.

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.

T. H. ...
Administrator-Oil & Gas Division

January 9, 1985
DATE

- ① J.G. LAMP, 1.38 ACRE SURFACE
- ② R.G. & B.L. CUNNINGHAM, 1.318 ACRE SURFACE
- ③ J.W. BENNETT, 2 ACRE SURFACE
- ④ R. ELDER, 2 ACRE SURFACE



D.B.
CUNNINGHAM,
ET. AL.
53.302 ACRE LEASE

FILE NO. _____
 DRAWING NO. _____
 SCALE **1"=500'**
 MINIMUM DEGREE OF ACCURACY **1:200**
 PROVEN SOURCE OF ELEVATION **RD. INT. @ MT. CARMEL CHURCH ELEV. 1158'**

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 P. Messer*
 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 **2 FEBRUARY**, 19 **83**
 OPERATOR'S WELL NO. **CUNNINGHAM #1 (REVISED)**
 API WELL NO. _____
47 - **073** - **1516**
 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 **919'** WATER SHED **FISHPOT RUN**
 DISTRICT **UNION** COUNTY **PLEASANTS**
 QUADRANGLE **RAVEN ROCK 7 1/2' QUAD.**
 SURFACE OWNER **DARWIN CUNNINGHAM** ACREAGE **94.62**
 OIL & GAS ROYALTY OWNER **D.B. CUNNINGHAM, ET. AL.** LEASE ACREAGE **53.302**
 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 **4600'**
 WELL OPERATOR **L & B OIL COMPANY** DESIGNATED AGEN **BERNARD TICE**
 ADDRESS **P.O. Box C** ADDRESS **P.O. Box C**
ST. MARYS, W.VA. 26170 **ST. MARYS, W.VA. 26170**

FILED - 1516