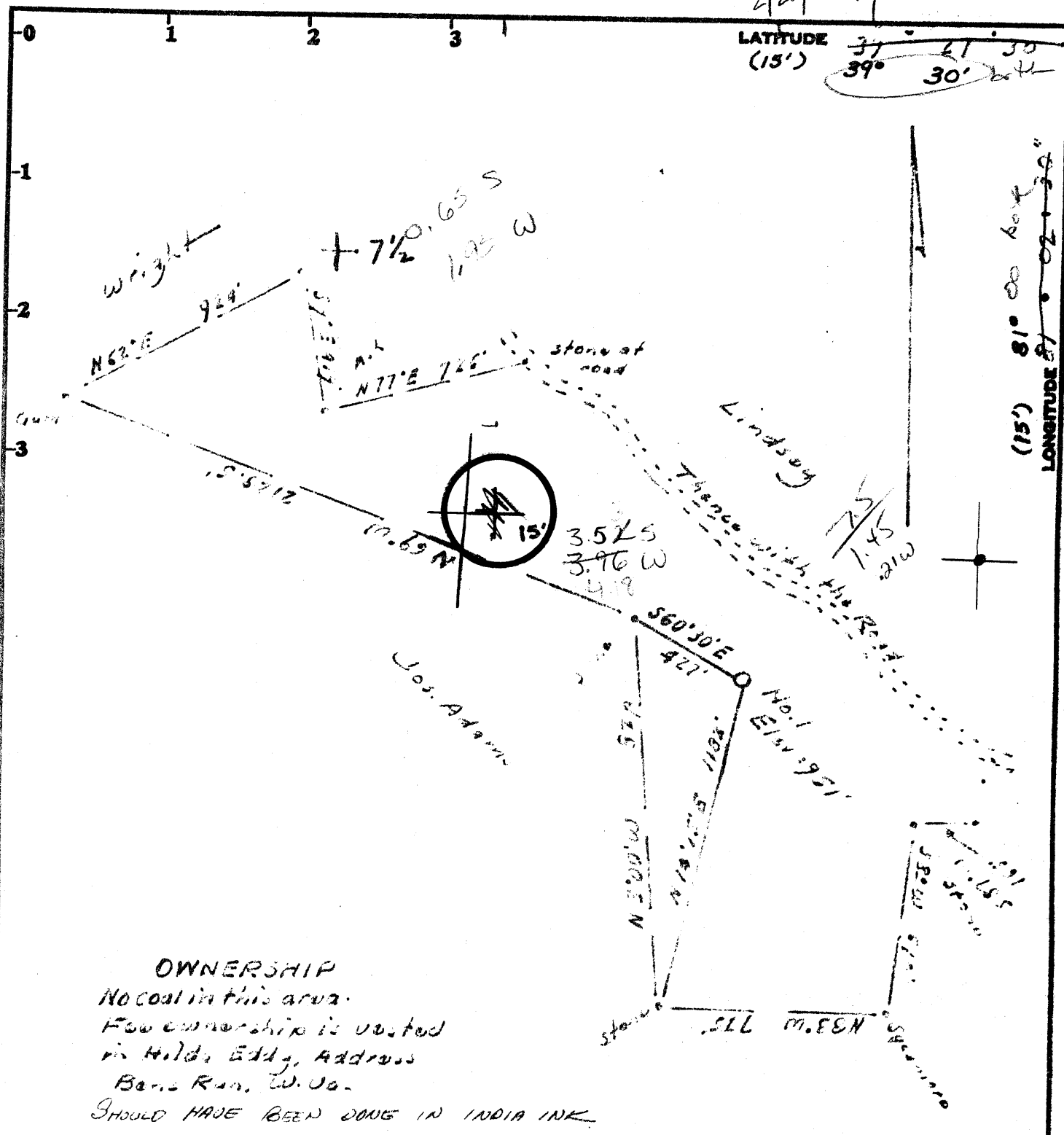


10200 2/28/80 PJ



**OWNERSHIP**  
 No coal in this area.  
 Fee ownership is vested  
 in Hilda Eddy, Address  
 Bens Run, W. Va.  
 SHOULD HAVE BEEN DONE IN INDIA INK

Minimum Error of Closure 1 in 200'  
 Source of Elevation USGS B.M. on Road at County Line  
1 mile NW = 664

- Fracture.....  
 New Location.....  
 Drill Deeper.....  
 Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: [Signature]  
 Squares: N S E W

Map No. \_\_\_\_\_

Company Lauderman Oil & Gas Drilling  
 Address P.O. Box 266, Putnam City, W. Va.  
 Farm Hilda Eddy  
 Tract \_\_\_\_\_ Acres 62 Lease No. \_\_\_\_\_  
 Well (Farm) No. One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 950 780  
 Quadrangle Bens Run 7 1/2 St. Mary's 15' NE  
 County Tyler District Union  
 Engineer [Signature]  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Feb 6, 1980 Scale \_\_\_\_\_

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

**WELL LOCATION MAP**

FILE NO. 47-095-0787

+ Denotes location of well on United States Topographic Maps, scale 1 to \_\_\_\_\_, latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

OCT 16 1981

Oil and Gas Division

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

WELL RECORD

Quadrangle Bens Run  
Permit No. 47-095-0787

Rotary \_\_\_\_\_ Oil   
Cable XXXX Gas   
Recycling \_\_\_\_\_ Comb. XXXXX  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal Open Pit (Kind)

Company Lauderman Oil & Gas  
Address P.O. Box 266, Paden City, WV  
Farm Hilda Eddy Acres 157  
Location (waters) Middle Island Creek  
Well No. #1 Elev. 780  
District Union County Tyler  
The surface of tract is owned in fee by Hilda Eddy  
Address Rt. #1, Friendly  
Mineral rights are owned by Hilda Eddy  
Address Same  
Drilling Commenced 04-19-80  
Drilling Completed 06-04-80  
Initial open flow Testing cu. ft. Testing bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	250	250	40 Sacks
9 5/8			
8 5/8	1286	1286	
7			
5 1/2			
4 1/2	2745	2735	300 Sacks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

~~Hydro Frac 1500 Bbls Gordon 500 gallons Acid HCL 15%~~

*This well has not been treated  
as of June 29, 1981.*

*10-13-81 Will have to mail to contact Minerals  
for treatment & prod. Equip.*

Coal was encountered at No Coal Feet No. Coal Inches  
Fresh water 90 Feet 100 Salt Water 1500 Feet 1550  
Producing Sand Gordon Depth 2650

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale	Gray	Soft	0	60		
Sand	Gray	Soft	60	90		
Line	Gray	Soft	90	115		
Slate	Black	Soft	115	285		
Slate	Gray	Soft	285	360		
Lime	Gray	Soft	360	555		
Rock	Red	Soft	555	685		
Shale	Gray	Soft	885	790		
Sand	White	Soft	790	810		
Rock	Red	Soft	810	940		
Slate	Gray	Soft	940	1110		
Shale	Gray	Soft	1110	1385		
Lime	Gray	Hard	1385	1510		
Salt	White	Hard	1510	1540		
Shale	Gray	Hard	1540	1600		
Big Lime	Green	Hard	1600	1645		

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JUN 26 1981

OIL & GAS DIVISION  
DEPT. OF MINES

\* Indicates Electric Log tops in the remarks section.

(over)

NOV 5 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Big Injun	White	Hard	1705	1720		
Shale	Gray	Hard	1720	1945		
Shale	Gray	Hard	1945	2105		
Berea Sand	Gray	Hard	2105	2240		
Gordon Stray	Gray	Hard	2240	2245		
Lime	Gray Green	Hard	2625	2635		
Gordon Sand	Gray	Hard	2635	2650		

TD@ least  
2735

Date October 1, 19 80

APPROVED Phillip Mays Owner

By LAND AGENT  
(Title)

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's

Well No. 1

API Well No. 47-095 -078  
State County Perm

WELL TYPE: Oil XXX / **GAS** XXX

**ORIGINAL**

**(CORRECTED PERMIT NUMBER)**

(If "Gas", Production      / Underground storage      / Deep XXX / Shallow     )

LOCATION: Elevation:      Watershed: Middle Island Creek

District: Union County:      Quadrangle: Ben's Run

WELL OPERATOR Lauderman Oil & Gas  
Address 311 South Fourth Ave.  
Paden City, WV 26150

DESIGNATED AGENT Phillip Morgan  
Address Same

**OIL & GAS**  
ROYALTY OWNER Hilda Eddy  
Address RFD. #1  
Friendly, WV 26145

COAL OPERATOR Hilda Eddy  
Address same

SURFACE OWNER Same  
Address       
Acreage 65

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name       
Address       
**RECORDED**  
**FEB 27 1980**

FIELD SALE (IF MADE) TO:  
Name       
Address     

Name       
Address       
**OIL & GAS DIVISION**  
**DEPT. OF MINES**

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Phillip Tracy 753 - 4573  
Address Rt. 23  
Alma, WV 26230

COAL LESSEE WITH DECLARATION ON RECORD:  
Name       
Address     

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed      / lease XXX / other contract      / dated Feb. 2, 1979, to the undersigned well operator from Eugene Carr by Assignment to Lauderman Oil & Gas  
[If said deed, lease, or other contract has been recorded:]

Recorded on May 2, 1979, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in 10 Book 219 at page 26. 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 the receipt of this Application by the Department.

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.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311

**BLANKET BOND**

Lauderman Oil & Gas Drilling  
Well Operator

By Phillip Morgan  
Its Land Agent

**ORIGINAL**

104  
123A

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Lauderman Oil & Gas  
Address 311 3rd Fourth Avenue  
Paden City, WV 26150

GEOLOGICAL TARGET FORMATION, Gordon

Estimated depth of completed well, 3000 feet Rotary      / Cable tools XXX /  
Approximate water strata depths: Fresh, 110 feet; salt, 1700 feet.  
Approximate coal seam depths: None Is coal being mined in the area? Yes      / No     

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKL.
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	13					10'		Kinds
Fresh water	10'					250	<i>For surface</i>	
Coal								Sizes
Intermediate	8'					1000		
Production	4 1/2					T.D. of Well		Depths set
<del>Tubing</del>								
<del>liners</del>								Perforations:
								Top Bottom

**NOTE - Regulations 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~~ **MUST BE POSTED AT THE WELL SITE** is to be part of the work for which a permit is sought and is noted on the Form IV-2 application therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 10-28-80.

*Robert L. Hill*  
Deputy Director - Oil & Gas Division

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

Date: 2-21

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 1  
API Well No. 47 095-0787  
State County Pe  
n0w: 073-

WELL TYPE: Oil XXX / GAS XXX  
(If "Gas", Production      / Underground storage      / Deep XXXX / Shallow      /)  
LOCATION: Elevation:      Watershed: Middle Island Creek  
District: Union County: Tyler Quadrangle: Ben's Run

WELL OPERATOR Lauderman Oil & Gas  
Address 311 South Fourth Ave.  
Paden City, WV 26159

DESIGNATED AGENT Phillip Morgan  
Address Same

**OIL & GAS ROYALTY OWNER** Hilda Eddy  
Address RFD. #1  
Friendly, WV 26145  
Acreage 65

COAL OPERATOR Hilda Eddy  
Address same

SURFACE OWNER Same  
Address       
Acreage     

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name       
Address       
Name       
Address     

FIELD SALE (IF MADE) TO:  
Name       
Address     

COAL LESSEE WITH DECLARATION ON RECORD:

Name       
Address       
**RECEIVED**  
**FEB 27 1980**

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Phillip Tracy 759 - 4573  
Address Rt. 23  
Alma, WV 26230

**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 XXX / other contract      / dated Feb. 9, 1979, to the undersigned well operator from Eugene Carr by Assignment to Lauderman Oil & Gas  
[If said deed, lease, or other contract has been recorded:]

Recorded on May 2, 1979, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in 19 Book 219 at page 26. A permit is requested as follows:

PROPOSED WORK: Drill xyx 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 the receipt of this Application by the Department.

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.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311

**BLANKET BOND**

Lauderman Oil & Gas Drilling  
Well Operator  
By Phillip Morgan  
Its Land Agent

[08-78]

PROPOSED WORK ORDER

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

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Address 311 S. Fourth Avenue  
Paden City, WV 26159

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Approximate coal seam depths: None Is coal being mined in the area? Yes      / No     

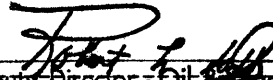
CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKL.
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
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Fresh water	10'					250			
Coal									Sizes
Intermediate	3'					1000			
Production	4 1/2					T.D. of Well			Depths set
<del>Tubing</del>									
<del>Liners</del>									Perforations:
									Top Botto

**NOTE: Regulation 7.02** of the Department of Mines provides that the original and four copies of Form ~~11~~ 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 drilling within 200 feet of the proposed well.

**THIS PERMIT MUST BE POSTED AT THE WELL SITE** 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.

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Deputy Director - Oil & Gas Division

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Date:     , 19     

By       
Its