

OWNERSHIP
 No coal
 Oil & Gas :- Orie Haught's Hrs.
 Surface :- Alice Barnharts
 St. Marus, W. Va.

Minimum Error of Closure 1 in 200'
 Source of Elevation USGS elev at forks of road, or at Well No 3 = 819'

- 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]

Map No. _____ Squares: N S E W

Company LAUDERMAN OIL & GAS CO.
 Address P.O. Box 266, Paden City, West Va.
 Farm Orie Haughts Heirs
 Tract _____ Acres 162 Lease No. 886 Tr
 Well (Farm) No. Eight Serial No. _____
 Elevation (Spirit Level) 897
 Quadrangle Bens Run 7 1/2', ST. MARYS
 County Tyler District Union
 Surveyor [Signature]
 Surveyor's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Nov. 1, 1979 Scale 1" = 1000'

509
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP

FILE NO. 47-095-0747
 CORRECTED PLAT CANCELLED

+ Denotes location of well on United States Topographic Maps, scaled to 25,000 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

FEB 23 1997

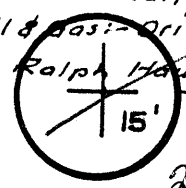
Ohio Shale 3745'

6075' 11/19/79 R
 LATITUDE 39° 30'

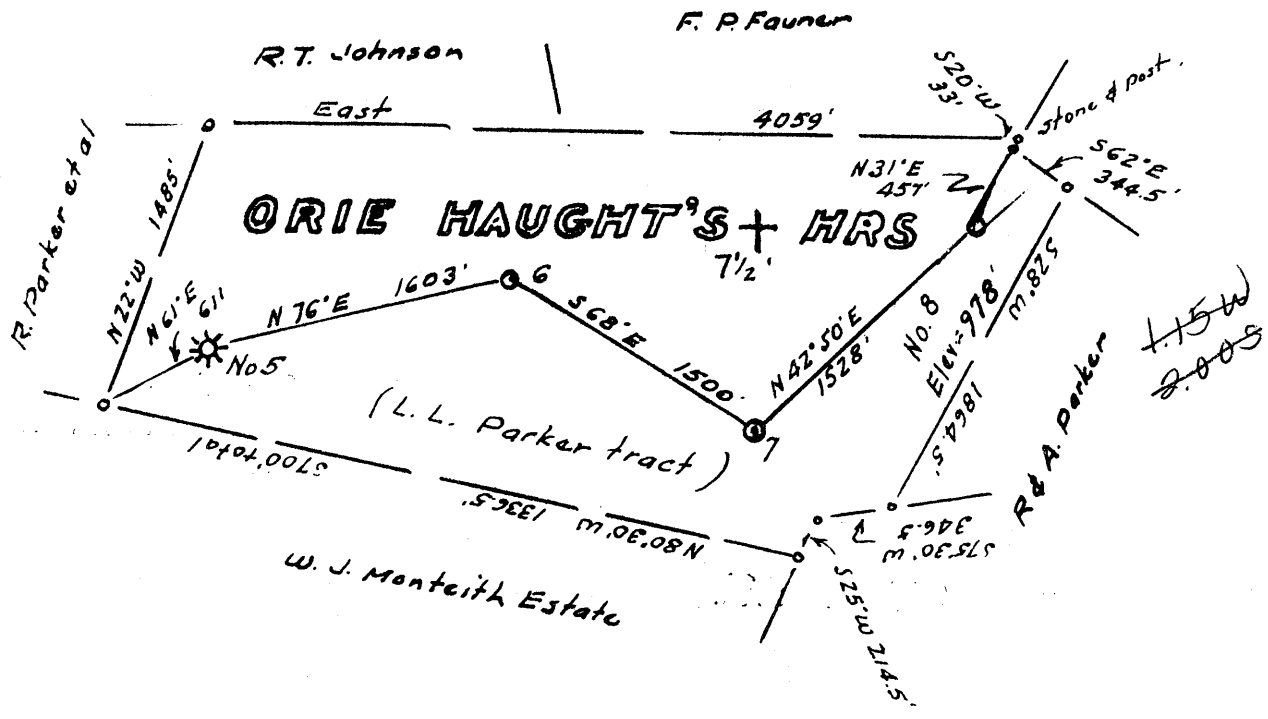
LONGITUDE 81° 02' 30"
 10,600

OWNERSHIP

No Coal
 Surface: - Ralph Haughts Heirs
 Oil & Gas: - Orle Haughts Heirs
 Ralph Haught, R.R. Friendly, W. Va.



2075
 1315W



Minimum Error of Closure 1 in 200'

Source of Elevation Elev. Well No. 1 = 819

- 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 CO. DRILLING
 Address P.O. Box 266, Paden City, West Va.
ORIE HAUGHT
 Farm L.L. Parker tract (RALPH HAUGHT)
 Tract _____ Acres 162 Lease No. _____
 Well (Farm) No. Eight Serial No. _____
 Elevation (Spirit Level) 978' NE
 Quadrangle Bens Run 7 1/2', 15' STM
 County Tyler District Union
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date November 18, 1979 Scale 1" = 1000'

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

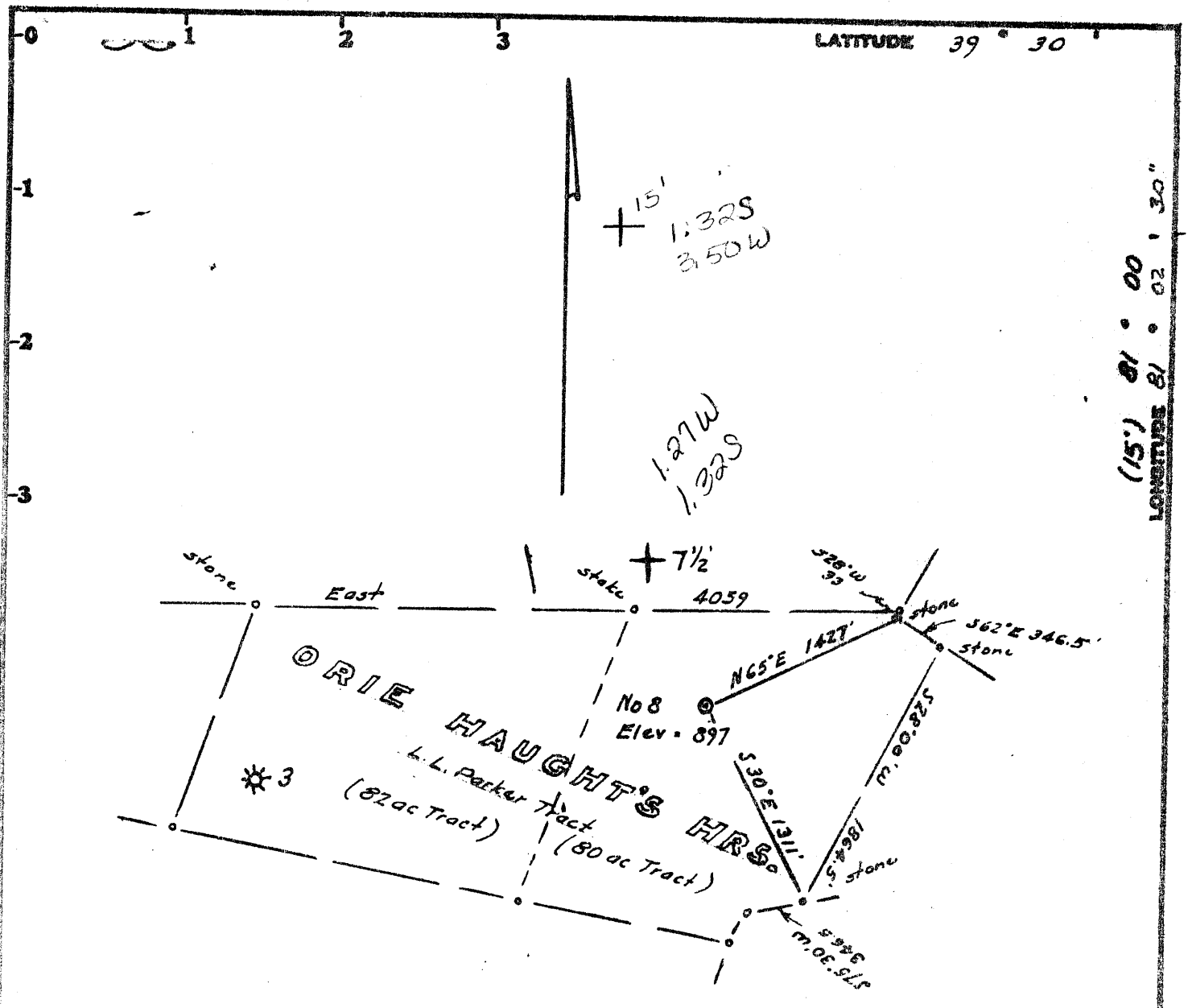
WELL LOCATION MAP
 FILE NO. 47-095-0747

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 to 62,500, latitude and longitude lines being represented by border lines as shown.

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DEC 6 1979

100 Spikes 3945'



OWNERSHIP
 No coal
 Oil & Gas: - Orie Haight's Hrs.
 Surface: - Alice Barnharts
 St. Marus, W. Va.

Minimum Error of Closure 1 in 200'
 Source of Elevation USGS elev at forks of road, or at Well No 3
819'

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 CO.
 Address P.O. Box 266, Paden City, West Va.
 Farm Orie Haight's Heirs
 Tract _____ Acres 162 Lease No. 556 Tr
 Well (Farm) No. Eight Serial No. _____
 Elevation (Spirit Level) 897
 Quadrangle Bens Run 7 1/2', ST. MARYS 15' N 8'
 County Tyler District Union
 Surveyor [Signature]
 Surveyor's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Nov. 1, 1979 Scale 1" = 1000'

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

WELL LOCATION MAP

FILE NO. 47-095-0747

CORRECTED PLAT

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Ohio Shales 3945'

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

ORIGINAL

Operator Well No. _____
API Well No. 47-095-07
State County Per

WELL TYPE: Oil / Gas

(If "Gas", Production / Underground storage / Deep

LOCATION: Elevation: ~~978~~ 978 Watershed: Buffalo Fork

District: Union County: Tyler Quadrangle: _____

WELL OPERATOR Lauderman Oil & Gas Drilling

DESIGNATED AGENT Phillip Morgan

Address 311 South 4th Avenue

Address Same

Paden City, W.Va. 26159

OIL & GAS

ROYALTY OWNER Haight Heirs (ORIE)

COAL OPERATOR Ralph Haight

Address RFD 1

Address Same

Friendly, W.Va.

Acreage 162

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER RALPH HAUGHT HR

Name _____

Address _____

Address _____

Acreage 162

Name _____

FIELD SALE (IF MADE) TO:

Address _____

Name _____

Address _____

COAL LESSEE WITH DECLARATION ON RECORD:

Name _____

Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED

Name Phillip Tracy

Address Middlebourne, W.Va. 26149

758-4573

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 / other contract / dated Nov. 30, 19 78, to the undersigned well operator from Ralph Haight

[If said deed, lease, or other contract has been recorded:]

Recorded on 2 May, 19 79, in the office of the Clerk of the County Commission of _____ County, West Virginia, in _____ Book 219 at page 102. A permit is requested as follows:

PROPOSED WORK: Drill / 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 § 20-4-3 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 plot 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
1414 WASHINGTON STREET EAST
CHARLESTON, WV 25301

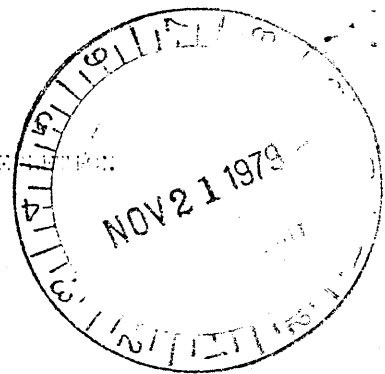
BLANKET BOND

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

[08-78]

PROPOSED WELL ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-2 UPON COMPLETION



DRILLING CONTRACTOR (IF KNOWN) Unknown at Present

Address _____

GEOLOGICAL TARGET FORMATION, Ohio Shales

Estimated depth of completed well, 3945 feet. Rotary / Cable tools

Approximate water strata depths: Fresh, 100 feet; salt, 1900 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)	PACKS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water								
Coal								Slues
Intermediate	8 5/8					260		
Production	4 1/2					Cemented thru Pay Zones		Deaths set
Tubing								
Liners								Perforations:
								Top Bottom

Regulation 2.02 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 any other security allowed by Code § 22-4-2, (iii) Form IV-3, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-15b 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.

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 on such as 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, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operation has not commenced by 7-20-80.

[Signature]

Deputy Director - Oil & Gas Division
This permit is completed by the well operator or by any well 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 as 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 _____