

LATITUDE 39° 10' 00"

LONGITUDE 80° 45' 00"

JOHN J. HINTER
46.75 AC.

J. H. DETTERMAN
46.75 AC.

JOHN WAINSTREET SR.
216 AC.

FLUENCE HINTER
100 AC. OF 204 AC.

G. W. LOWTHER
72 AC.

ISADOR KREYENBUHL
187 AC.

J-119
EL. - 980'

2.535
0.03 W

2.335
0.28 W

Minimum Error of Closure 1 PART IN 200
 Source of Elevation INT. OF RT 18 & BURTON RUN ROAD
ELEV. - 837'
 "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."

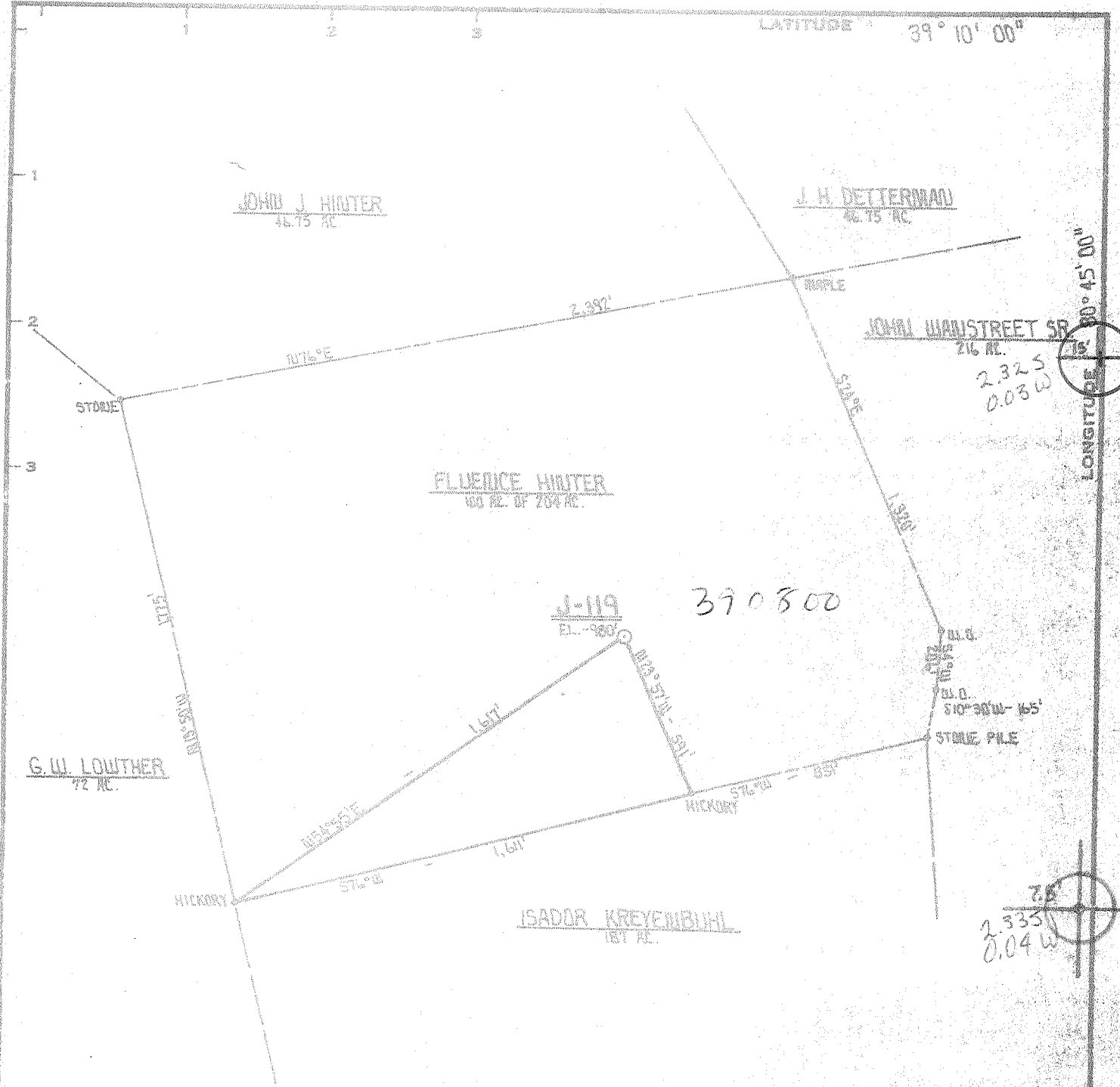
- New Location
- Drill Deeper
- Abandonment

Company J. & J. ENTERPRISES, INC.
 Address P.O. BOX 48 BUCKHANNON, W. VA. 26201
 Farm FLUENCE HINTER
 Tract Acres 100 Lease No. K-319
 Well (Farm) No. J-119 Serial No. _____
 Elevation (Spirit Level) 980'
 Quadrangle OXFORD 7.5' HOLBROOK 15' EC
 County DODDRIDGE District COVE
 Engineer Ronald B. Wheeler
 Engineer's Registration No. 530
 File No. 19/46 Drawing No. _____
 Date MARCH 17, 1960 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. 017-2635 - P

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.



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 County DODDRIDGE District COVE
 Engineer Daniel L. Woodson
 Engineer's Registration No. 530
 File No. 19/46 Drawing No. _____
 Date MARCH 17, 1980 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
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LD8-78

WELL OPERATOR'S REPORT OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE
API Well No. 47 - 017 2635
State County Pa

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow)
LOCATION: Elevation: 980 Watershed: Toms Fork
District: Cove County: Doddridge Quadrangle: Oxford 7.5'

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett
Address Box 48 Address Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____

PERMIT ISSUED ON March 24, 19 80 OIL & GAS INSPECTOR FOR THIS WORK:
Name Paul Garrett
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Address 321 Beech St.
Clarksborg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth _____ feet
Depth of completed well, 5409 feet Rotary / Cable Tools _____
Water strata depth: Fresh, 38 feet; salt, None feet.
Coal seam depths: _____ Is coal being mined in the area? NO
Work was commenced 7-29, 19 80, and completed 8-4, 19 80

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		
Conductor	11 3/4	H-40	42	X		20	20	Kinds
Fresh water	8 5/8	ERW	23	X		1278.35	1278.35	315 sks.
Gal	8 5/8	ERW	23	X		1278.35	1278.35	315 sks.
Intermediate								Sizes
Production	4 1/2	J-55	10.5	X				Depth set
Perforations:								For
								Bottom

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WELL FLOW DATA

OIL & GAS DIVISION
DEPT. OF MINES

Producing formation _____ Pay zone depth _____ ft
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, _____ Mcf/d 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
[If applicable due to multiple completion--]
Second producing formation _____ Pay zone depth _____ ft
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, _____ Mcf/d 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

AUG 15 1980

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

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all free and salt water, coal, oil and gas
Clay			0	5	
Shale			5	12	
Sandy Clay			12	14	
Shale			14	19	1/2" to 3/4" stream @ 38'
Sand & shale			19	34	
Sand & shale			34	97	
Red rock & shale			97	102	
Sand & shale			102	111	
Sand			111	119	
Sand & shale			119	138	
Sand			138	141	
Sand & shale			141	189	
Sand & shale			189	197	
Shale			197	428	
Sand & shale			428	443	
Sand			443	502	
Sand, shale & red rock			502	588	
Sand			588	634	
Sand			634	675	
Shale & Red rock			675	736	
Sand			736	792	
Sand & Shale			792	890	
Sand			890	897	
Sand & shale			897	958	
Sand			958	965	
Sand & shale			965	1017	
Red rock			1017	1024	
Sand & shale			1024	1059	
White sand			1059	1114	
Sand, shale & red rock			1114	1128	
Sand & shale			1128	1131	
Sand			1131	1200	
Sand & shale			1200	1230	
Sand			1230	1745	
Sand & shale			1745	1820	
Lime			1820	1925	
Shale			1925	1954	
Big Lime & Injun			1954	1968	

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.
Well Operator

By Peter Battles
Peter Battles
Geologist

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."

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Sand			2116	2208	
Sand & shale			2208	2466	
Brown sand			2466	4869	
Sand & shale			4869	4879	
Brown sand			4879	5157	
Sand & shale			5157	5193	
Shale			5193	5240	

AUG 15 1980

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-119

API Well No. 47-017-2635
State County Perm

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)
LOCATION: Elevation: 980' Watershed: Tom's Fork
District: Cove County: Doddridge Quadrangle: Oxford 7.5'

WELL OPERATOR J & J Enterprises, Inc.
Address P.O. Box 48
Buckhannon, WV 26201

DESIGNATED AGENT H.L. Barnett
Address P.O. Box 48
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Fluence Hinter
Address Box 34
Troy, WV 26443

COAL OPERATOR None
Address _____

ACREAGE 100
SURFACE OWNER Fluence Hinter
Address Box 34
Troy, WV 26443
ACREAGE 100

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Fluence Hinter
Address Box 34
Troy, WV 26443
Name _____
Address _____

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

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address MAR 24 1980

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 321 Beech ST.
Clarksburg, WV 26301

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 10-3, 19 78, to the undersigned well operator from Fluence Hinter

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

Recorded on Oct. 23, 19 78, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas lease, book 105 at page 225. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Fill off old formation / Perforate new formation /
Other physical change in well (specify) _____

as shown on the work order on the reverse side hereof.

The above named well operator, coal owner(s), and coal lessee are hereby notified that any application they wish to have made is 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 filing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
PHYSICAL LOSS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1001 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

J & J Enterprises, Inc.
Well Operator

By Peter Battles
Peter Battles
Geologist

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
Address P.O. Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5450 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 40 feet; salt, 1000 feet.
Approximate coal seam depths: None Is coal being mined in the area? Yes / No X

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 feet), PACKERS (Kinds, Sizes, Depths set, Performations: 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 plot 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 § 22-4-12c, 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 when this permit is required at the well site of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection 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 11-27-80.

Handwritten signature of Deputy Director

Deputy Director - Oil & Gas Division

The undersigned coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-10, if the permit is to be forced 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.

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
(If "Gas", Production / Underground storage / Deep / Shallow /
LOCATION: Elevation: 980 Watershed: Tom's Fork
District: Cove County: Doddridge Quadrangle: _____

WELL OPERATOR J & J Enterprises, Inc.
Address Box 48
Buckhannon, WV 26201

DESIGNATED AGENT H.L. Barnett
Address Box 48
Buckhannon, WV 26201

STATE OF WEST VIRGINIA,)
) SS:
COUNTY OF Upshur)

Daniel Stark and H.L. Barnett

being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells; that they were employed by J & J Enterprises, Inc., the well operator, and participated in the work of plugging and filling the above well, that the work was commenced on 7-29, 1980, and completed on 8-4, 1980, in the following manner:

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PERMITTED WORK: Plug and abandon / Clean out and replug /

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness
	Gel	5409-4900	500
Class A		4900-4800	100
	Gel	4800-4050	750
Class A		4050-3950	100
	Gel	3950-2650	1300
Class A		2650-2550	100
	Gel	2550-2100	450
Class A		2100-1900	200
	Gel	1900-1300	600
Class A		1300-1200	100
	Gel	1200-50	1150
Class A		50-0	50

Bridge Plugs Used--Type and Depth

OIL & GAS DIVISION
DEPT. OF MINES
COAL SEAMS (NAMES AND DEPTHS)

DESCRIPTION OF WELL MONUMENT

VENT PIPE

MISCELLANEOUS MATERIALS

CASING LOST 8 5/8 - 1278.35

TYPE OF RIG:

Owner: Well Op'r / Contractor /

Rig time: 6 days plus hours

Daniel Stark (SEAL)
H.L. Barnett (SEAL)

Subscribed and sworn to before me this 6th day of August, 1980.
My commission expires October 16, 1989.

Lydia S. Casfield
Notary Public