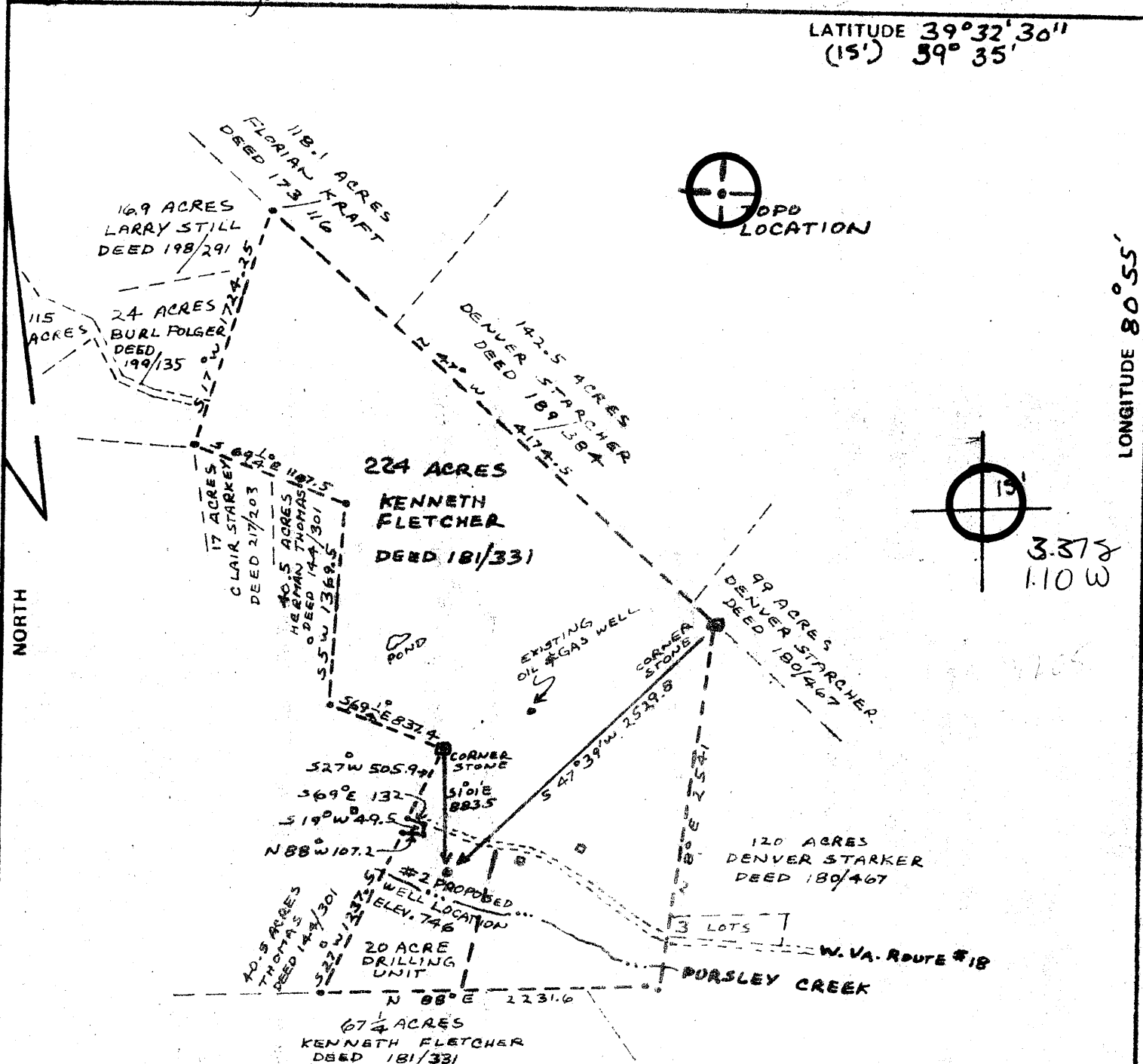


LATITUDE 39°32'30"
(15') 39° 35'

LONGITUDE 80°55'



FILE NO. 78-5288-B
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION 750 B.M. ON BRIDGE ON ROUTE #18 NEAR FLETCHER'S HOUSE ON PADEN CITY TOPO

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) Henry M. Parsons
 R.P.E. _____ L.L.S. 98



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



DATE JAN 15 1980
 OPERATOR'S WELL NO. FLETCHER 2
 API WELL NO. 095
47 - TYLER 0809
 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 746 WATER SHED PURSLEY CREEK
 DISTRICT LINCOLN COUNTY TYLER
 QUADRANGLE PADEN CITY TOPO NEW MARTINSVILLE 15' SW
 SURFACE OWNER KENNETH FLETCHER ACREAGE 224 (20 ACRE DRILLING UNIT)
 OIL & GAS ROYALTY OWNER KENNETH FLETCHER LEASE ACREAGE 224
 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 Fifth SAND ESTIMATED DEPTH 3100'
 WELL OPERATOR EMES PETROLEUM Co. DESIGNATED AGENT P. W. Ryan, Jr.
 ADDRESS 619 LACONIA BLDG. WHEELING, W. VA. ADDRESS Box 353 St. Marks, W. VA. 26170



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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Paden City
Permit No. 47-095-809

WELL RECORD

Oil or Gas Well oil and gas
(KIND)

Company Emes Petroleum Company Inc.
Address 619 Laconia Bldg. Wheeling, WV
Farm Kennith Fletcher Acres 224
Location (waters) Pursley Creek
Well No. #2 Elev. 746
District Lincoln County Tyler
The surface of tract is owned in fee by Kennith Fletcher
Address Sistersville
Mineral rights are owned by Kennith Fletcher
Address Sistersville
Drilling commenced 6/18/81
Drilling completed 6/24/81
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/2	261	261	
6 5/8			Depth set
5 3/16			
4 1/2		2687	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 2687 No. Ft. 6/24/81 Date
Amount of cement used (bags) 265
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL ACIDIZED (DETAILS) _____

WELL FRACTURED (DETAILS) 100,000# 20/40 sand 500 barrels water 975,000 G.F. Nitrogen

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 880,000

ROCK PRESSURE AFTER TREATMENT 1300 HOURS 24

Fresh Water _____ Feet Salt Water _____ Feet

Producing Sand Gorden and Fifth Depth 2424-2432 2602-2608
Gorden 5th

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	45			
Slate			45	174			
Red Rock			174	215			
Slate			215	640			
Red Rock			640	1078			
Sandy Shale			1078	1650			
Sand			1650	2021			
Berea			2021	2031			
Shale			2031	2181			
Santz			2181	2187			
Shale			2187	2416			
Gorden			2416	2438			
Shale			2438	2592			
Fifth			2592	2612			
Shale			2612	2708 (T.D.)			

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 2

API Well No. 47 095-809-R
State County P

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

LOCATION: Elevation: 746' Watershed: Pursley Creek
District: Lincoln County: Tylor Quadrangle: Paden City, WV

WELL OPERATOR Emes Petroleum Co., Inc.
Address 619 Laconia Bldg.,
Wheeling, WV

DESIGNATED AGENT Hays and Company, Inc.
Address P. O. Box 590
Spencer, WV 25276

OIL & GAS LEASE & MINERAL RIGHTS OWNER Kenneth Fletcher
Address Sistersville, WV

COAL OPERATOR None
Address _____

ACREAGE 224

SURFACE OWNER Kenneth Fletcher
Address Sistersville, WV

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name N/A

ACREAGE 224

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

Address _____
Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phil Tracy
Address Rt. 23, Alma, W.Va. 26320
758-4573

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 X / other contract ___ / dated 9/1, 1979, to undersigned well operator from Kenneth & Annabell Fletcher
[If said deed, lease, or other contract has been recorded:]

Recorded on 3/8, 1981, in the office of the Clerk of the County Commission of Tylor County, West Virginia, in Deed Book 221 at page 152. A permit is requested as follows:

PROPOSED WORK: Drill X / 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, Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1601 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-2092

Emes Petroleum Co., Inc.
Well Operator

By Barbara M. Emes
President

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, Fifth Sand-Upper Devonian

Estimated depth of completed well, 3,100 feet Rotary / Cable tools /

Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.

Approximate coal seam depths: _____ 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)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	8 5/8		24 lbs	X			250'	Cemet to surface
Coal								Sizes
Intermediate								
Production	4 1/2	K-55	1.50	X			3,100	to 100' above 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.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling renewed. This permit shall expire if operations have not commenced by 2-10-87.

[Signature]
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 _____

HO 6-13-80



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE 4-17-80

Surface Owner Kenneth Fletcher
Address Sistersville, W. Va.
Mineral Owner Kenneth Fletcher
Address Sistersville, W. Va.
Coal Owner Kenneth Fletcher
Address Sistersville, W. Va.
Coal Operator None
Address _____

Company Emes Petroleum Co., Inc.
Address 619 Laconia Bldg., Wheeling, W. Va.
Farm Fletcher Acres 224
Location (waters) Pursley Creek
Well No. 2 Elevation 746'
District Lincoln County Tyler
Quadrangle Paden City, W. Va.

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 operations have not commenced by 2-16-81.

INSPECTOR
TO BE NOTIFIED Phil Tracy
ADDRESS Middlebourne, W. Va.
PHONE 758-4573

[Signature]
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated September 1 1979 by John R. [unclear] made to Emes Petroleum Co. and recorded on the January 16 day of Feb 1980, in Tyler County, Book 214 Page 429

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Very truly yours,
(Sign Name) [Signature]
Well Operator
619 Laconia Bldg.
Street
Wheeling
City or Town
W. VA.
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed. OIL & GAS DIVISION

DEPT. OF MINES

095
TYLER-809

PERMIT NUMBER

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT
 NAME Little Swiss Drilling NAME C. W. Riggs, Inc.
 ADDRESS Buchannon, W. Va. ADDRESS St. Marys, W. Va.
 TELEPHONE 472-6396 TELEPHONE 684-3974
 ESTIMATED DEPTH OF COMPLETED WELL: 3100' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: 5th Sand-Upper Devonian
 TYPE OF WELL: OIL _____ GAS _____ COMB X STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS (CUBIC FT)
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8 <u> 250' </u>		<u> 250' </u>	<u> cement top-bottom </u>
7			
5 1/2			
4 1/2 <u> 3100' </u>		<u> 3100' </u>	<u> 200 sks. </u>
3			<u> Perf. Top </u>
2			<u> Perf. Bottom </u>
Liners			<u> Perf. Top </u>
			<u> Perf. Bottom </u>

APPROXIMATE FRESH WATER DEPTHS 110' FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title