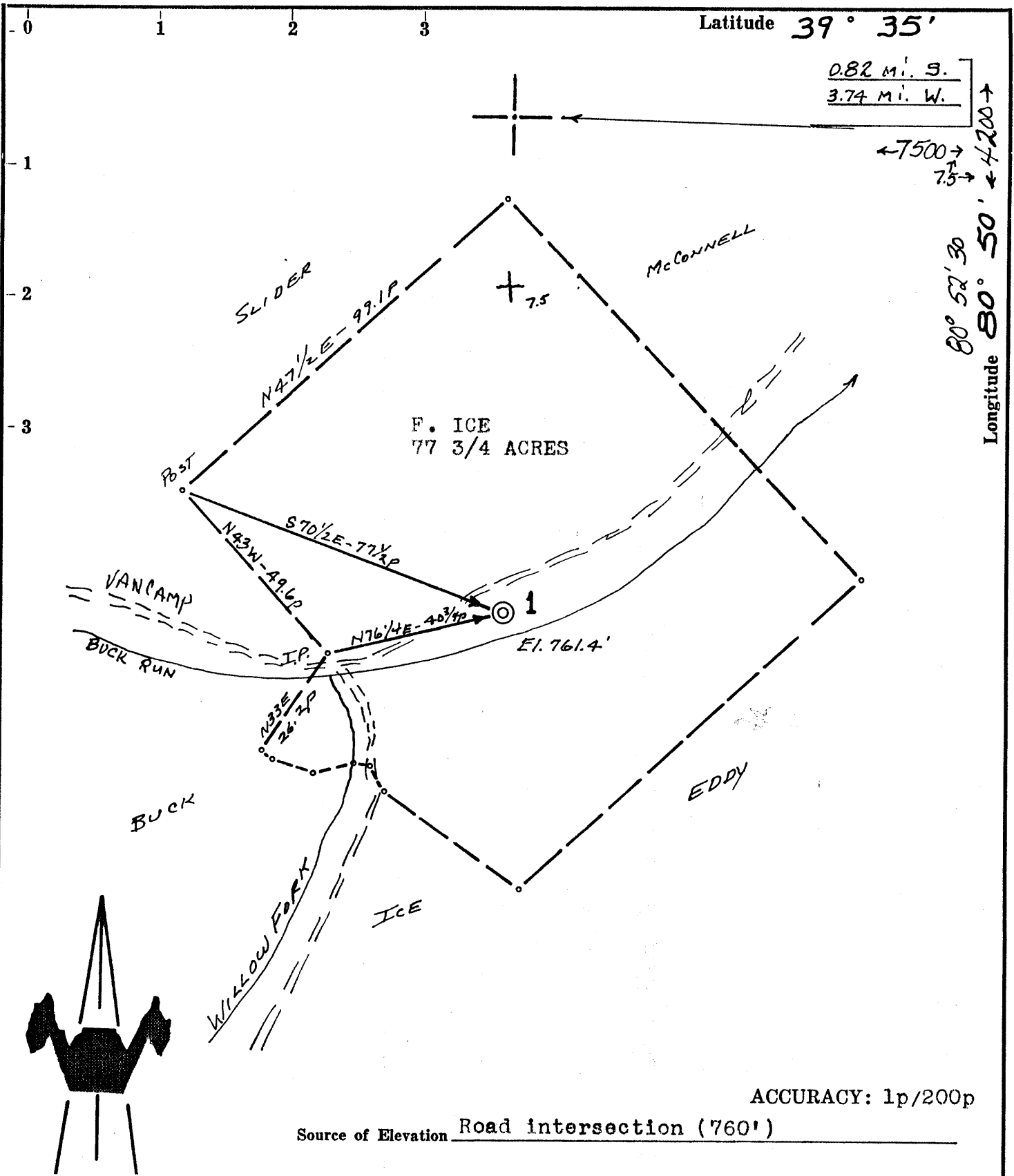


8/23/67



ACCURACY: 1p/200p

Source of Elevation Road intersection ('760')

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

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.

8/11/78

Chet Waterman

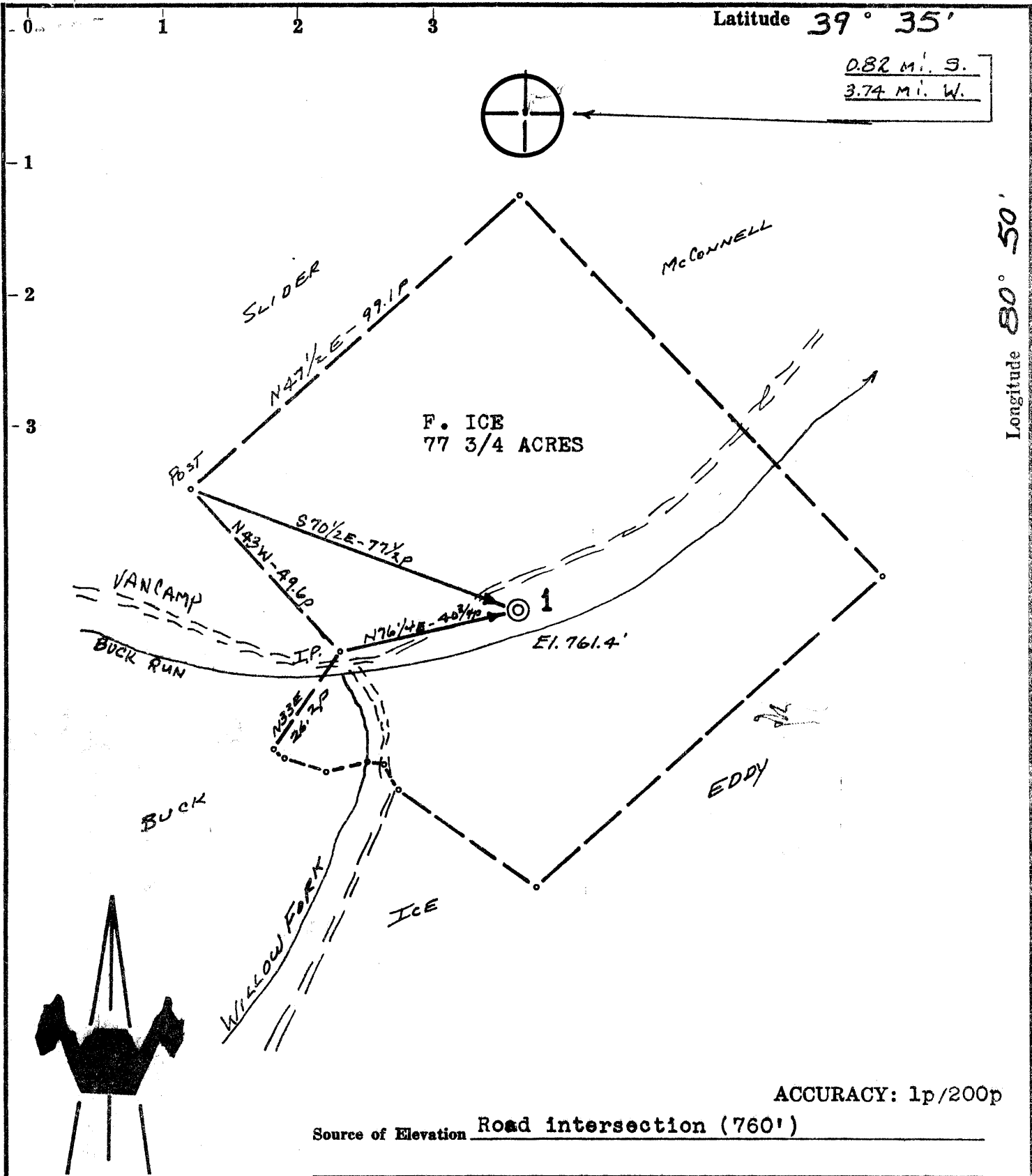
Company JIM EMES PETROLEUM CO.
 Address 619 Laconia Building - Wheeling WV26003
 Farm F. ICE
 Tract Acres 77 3/4 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 761.4'
 Quadrangle NEW MARTINSVILLE / PAOEN City 7.5
 County TYLER District LINCOLN
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 67003-150 Drawing No. _____
 Date 8/21/67 Scale 1" = 30p

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

WELL LOCATION MAP
 FILE NO. TYL - 415-RED
Reconditioning Permit Cancelled

+ 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.

JAN 26 1987
 47-095



Source of Elevation Road intersection (760')

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.

Chet Waterman

Company JIM EMES PETROLEUM CO.
 Address 619 Laconia Building - Wheeling WV 26003
 Farm F. ICE
 Tract _____ Acres 77 3/4 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 761.4'
 Quadrangle NEW MARTINSVILLE SC
 County TYLER District LINCOLN
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 67003-150 Drawing No. _____
 Date 8/21/67 Scale 1" = 30p

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. TYL - 415-RED

+ 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.

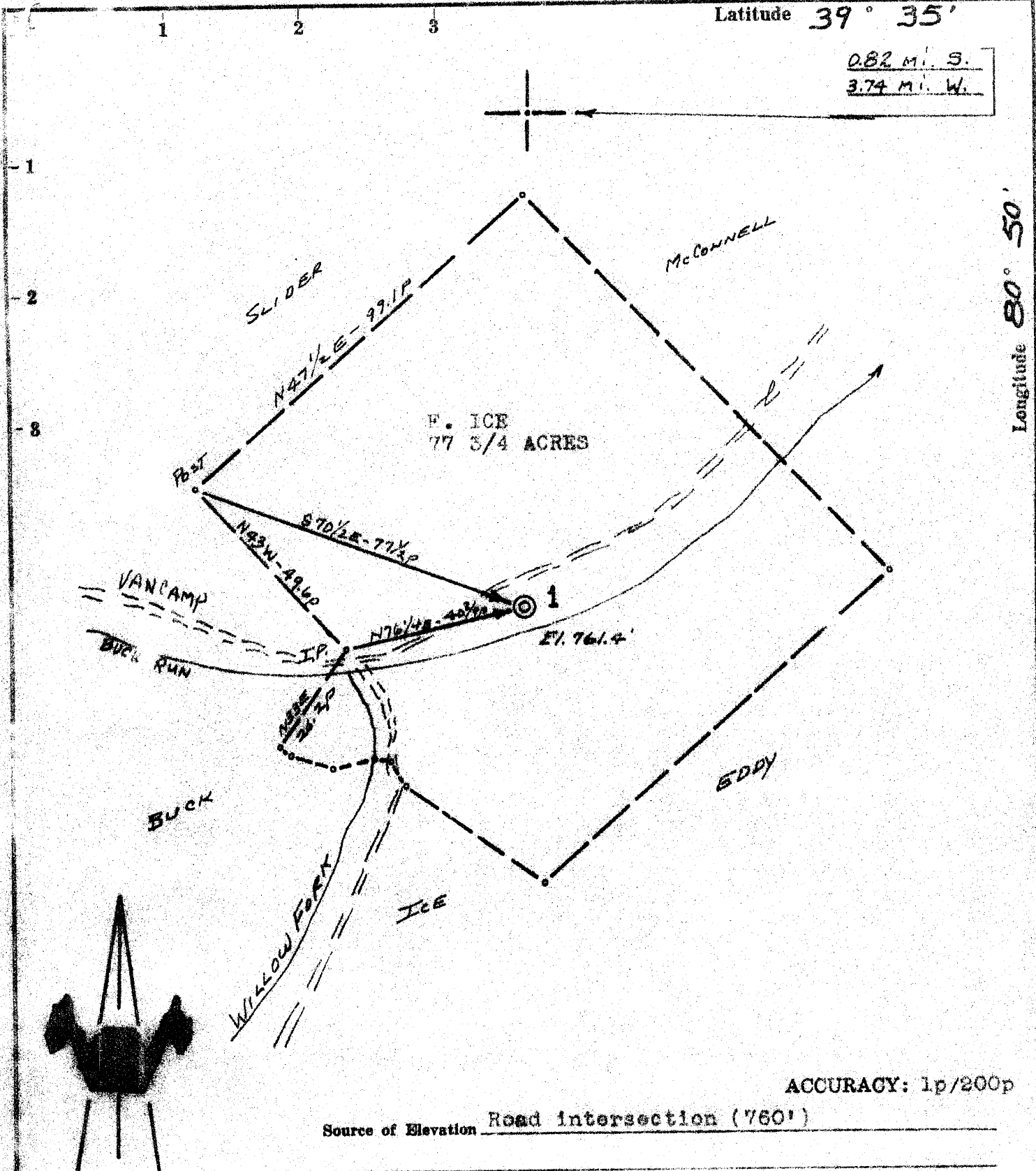
AUG 29 1978

— Denotes one inch spaces on border line of original tracing.

47-095

Latitude **39° 35'**

0.82 Mi. S.
3.74 Mi. W.



ACCURACY: 1p/200p

Source of Elevation Road intersection ('760')

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.

Chet Waterman

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

10-23-67

Company	JOSEPH S. GRUSS		
Address	SPENCER, W. VA.		
Farm	F. ICE		
Tract	Acres	77 3/4	Lease No.
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	761.4'		
Quadrangle	NEW HARTSVILLE 5C		
County	TYLER	District	LINGO
Engineer	CHET WATERMAN		
Engineer's Registration No.	3788		
File No.	67003-150	Drawing No.	
Date	9/21/67	Scale	1" = 200'

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

WELL LOCATION MAP
FILE NO. 300-415-P

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitudes 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
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle New Martinville
Permit No. TYL-415

WELL RECORD

Oil or Gas Well Dry
(KIND)

Company <u>Joseph S. Gruss</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Box 471, Spencer, W. Va.</u>	Size			
Farm <u>Ice</u> Acres <u>77 3/4</u>	16			Kind of Packer
Location (waters) <u>Buck Run</u>	13			Size of
Well No. <u>1</u> Elev. <u>761.4</u>	10			Depth set
District <u>Lincoln</u> County <u>Tyler</u>	8 1/4	185	185	
The surface of tract is owned in fee by	6 3/4			Perf. top
Address	5 3/16			Perf. bottom
Mineral rights are owned by	4 1/2			Perf. top
Address	3			Perf. bottom
Drilling commenced <u>10/9/67</u>	2			
Drilling completed <u>10/15/67</u>	Liners Used			
Date Shot From To				
With				

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock Pressure _____ lbs. _____ hrs.

Oil None _____ bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) _____

WELL FRACTURED (DETAILS) _____

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____

ROCK PRESSURE AFTER TREATMENT _____ HOURS

Fresh Water _____ Feet Salt Water _____ Feet

Producing Sand Berea, Gantz, 5th, Speechlg.

Depth 1930-2010 2576-2581
2036-2065 3120-3164

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Rock			0	129			
Sand & Rock			129	200			
Sand			200	320			
Sahle			320	408			
Sand			408	444			
Shale			444	500			
Sand & Shale			500	856			
Sand			856	912			
Shale			912	970			
Sand			970	1076			
Shale			1076	1108			
Sand			1108	1318			
Shale			1318	1333			
Sand			1333	1626			
Shale			1626	1650			
Sand			1650	1793			
Shale			1793	1940			
Sand <u>Berea; Gantz</u>			1940	2065			
Shale			2065	2407			
Sand			2407	2420			
Shale			2420	2576			
Sand <u>FHL</u>			2576	2625			
Shale			2625	3120			
Sand <u>Speechlg</u>			3120	3164			
Shale			3164	3200			

1930
761
1169

1930-2010 gas show
2036-2065
2576-2581
3120-3164

RECEIVED
West Virginia
Department of Mines



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

AUG 11 1978

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner _____
Address _____
Mineral Owner _____
Address _____
Coal Owner _____
Address _____
Coal Operator _____
Address _____

DATE August 11, 1978
Company Jim Emes Petroleum Company
Address 619 Laconia Building- Wheeling, W.Va. 2
Farm Frank Ice Acres 77+ ac.
Location (waters) _____
Well No. 1 Elevation 761.4'
District Lincoln County Tyler
Quadrangle New Martinsville

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 redrilling. This permit shall expire if
operations have not commenced by 12-11-78.

INSPECTOR
TO BE NOTIFIED Phillip L. Tracy
ADDRESS P.O. Box 173, Middlebourne, W.Va. 26149
PHONE 758-4573

Robert H. [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 7-21 1978 by John Richmond made to Jim Emes and recorded on the 13 day of MARCH 1978 in _____ County, Book 215 Page 9
NEW WELL DRILL DEEPER XXXX 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

Very truly yours,

(Sign Name)

James T. Emes
Well Operator

Address
of
Well Operator

619 Laconia Building
Street
Wheeling
City or Town
West Virginia 26003
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.

CASH DEPOSIT
HELD BY TREASURER

TYL-415-RED.

PERMIT NUMBER

47-095

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

PROPOSED WORK ORDER TO RE DRILL DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Gary L. Rymer -Atty. at Law
 ADDRESS _____ ADDRESS P.O. Box 236 - Middlebourne, W.Va.
 TELEPHONE _____ TELEPHONE 758-4448
 ESTIMATED DEPTH OF COMPLETED WELL: 2800' ROTARY _____ CABLE TOOLS XX
 PROPOSED GEOLOGICAL FORMATION: 5th. Sand
 TYPE OF WELL: OIL _____ GAS _____ COMB. XXX STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	<i>185</i>	<i>185</i>	<i>already cement</i>
7			
5 1/2			
4 1/2	<i>2800</i>	<i>2800</i>	<i>400'</i>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS ? FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS None _____
 IS COAL BEING MINED IN THE AREA? ✓ 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