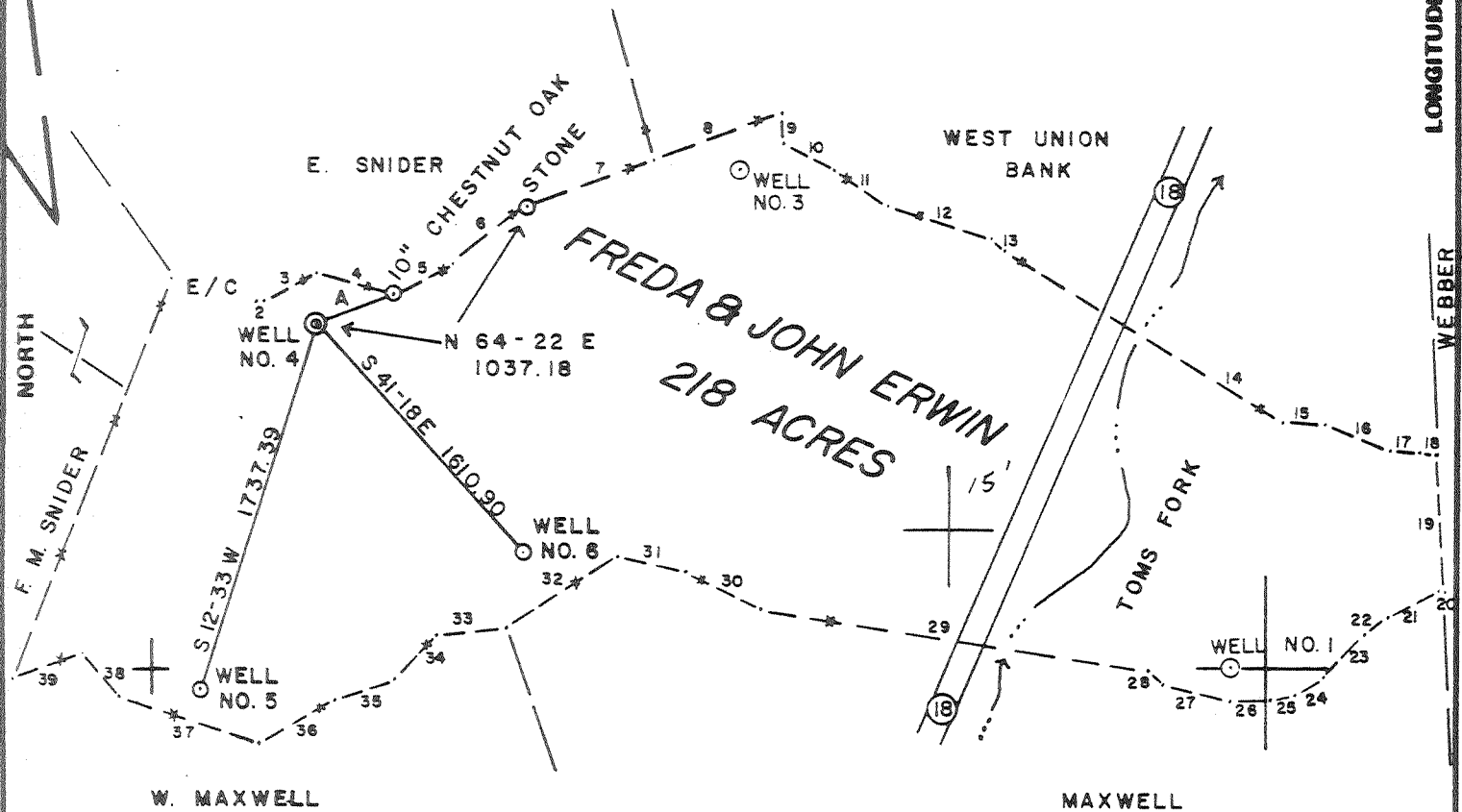


1.	N 21-30 E	1848.00	21.	S 51-00 W	239.27
2.	S 87-00 E	33.00	22.	S 52-45 W	129.70
3.	N 62-00 E	255.75	23.	S 45-00 W	255.75
4.	S 75-00 E	346.50	24.	S 55-00 W	143.55
5.	N 62-00 E	297.00	25.	S 78-00 W	99.00
6.	N 52-00 E	404.25	26.	S 84-00 W	161.70
7.	N 70-00 E	577.50	27.	N 71-00 W	290.40
8.	N 70-00 E	594.00	28.	N 58-30 W	90.75
9.	S 1-00 E	138.60	29.	N 81-00 W	1,666.50
10.	S 62-00 E	346.50	30.	N 64-00 W	354.75
11.	S 54-00 E	280.50	31.	N 78-00 W	303.25
12.	S 72-30 E	473.55	32.	S 57-00 W	561.00
13.	S 41-15 E	74.25	33.	S 83-00 W	297.00
14.	S 58-00 E	1,402.50	34.	S 41-00 W	264.00
15.	S 86-30 E	181.50	35.	S 71-00 W	272.25
16.	S 67-30 E	297.00	36.	S 59-00 W	375.38
17.	S 85-30 E	122.10	37.	N 72-00 W	622.88
18.	S 77-30 E	79.20	38.	N 41-15 W	243.38
19.	S 3-00 E	585.75	39.	S 71-00 W	313.50
20.	N 81-00 W	23.10			

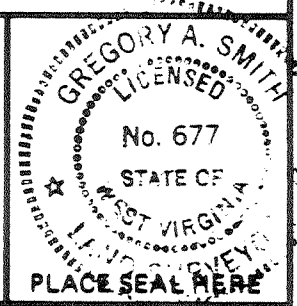
LINE A N 74-54 E 347.79



ERWIN WELL NO. 4

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION INTERSECTION OF ROADS ON PROPERTY - ELEV. 892'

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) Gregory A. Smith
 R.P.E. _____ L.L.S. 677



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



DATE OCTOBER 2, 1980
 OPERATOR'S WELL NO. 4
 API WELL NO. 47-017-2916
 STATE WV COUNTY DODDRIDGE PERMIT Canceled

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 1182' WATERSHED TOMS FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5'
 SURFACE OWNER FREDA & JOHN ERWIN ACREAGE 218
 OIL & GAS ROYALTY OWNER FREDA & JOHN ERWIN LEASE ACREAGE 218
 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 DAVONIAN SHALE ESTIMATED DEPTH 5500'
 WELL OPERATOR SWIFT ENERGY CO. DESIGNATED AGENT E. A. BROOME MAY 7 1984
 ADDRESS 654 E. NORTH BELT SUITE 212 ADDRESS RT. 76 BOX 35 E
HOUSTON, TEXAS 77060 GLENVILLE, W.V. 26351

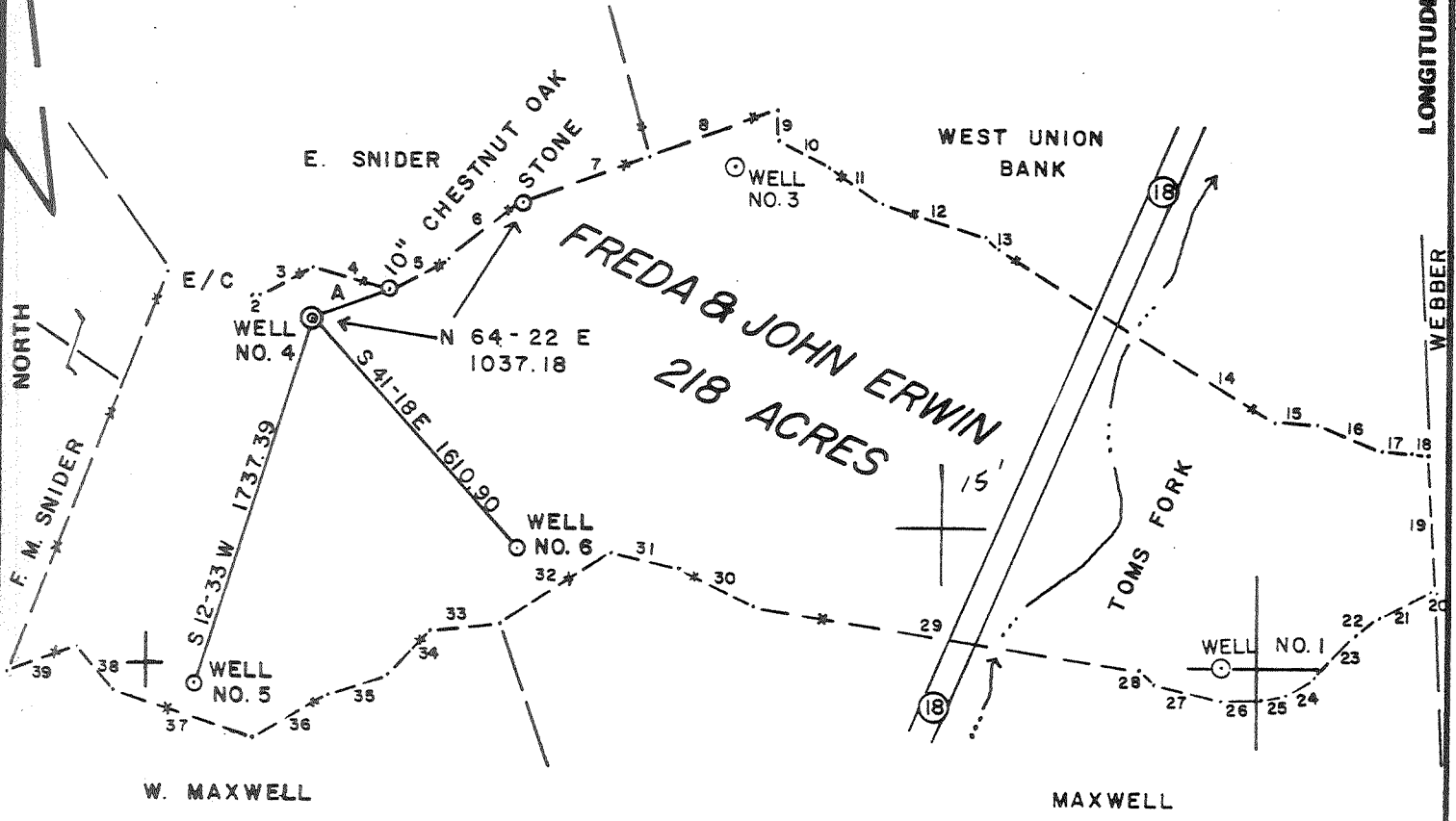
LATITUDE 39° 12' 30"

1.	N 21-30 E	1848.00	21.	S 61-00 W	239.27
2.	S 87-00 E	33.00	22.	S 52-45 W	129.70
3.	N 62-00 E	255.75	23.	S 45-00 W	255.75
4.	S 75-00 E	346.50	24.	S 55-00 W	143.55
5.	N 62-00 E	297.00	25.	S 78-00 W	99.00
6.	N 52-00 E	404.25	26.	S 84-00 W	161.70
7.	N 70-00 E	577.50	27.	N 71-00 W	290.40
8.	N 70-00 E	594.00	28.	N 56-30 W	90.75
9.	S 1-00 E	138.60	29.	N 81-00 W	1,666.50
10.	S 62-00 E	346.50	30.	N 64-00 W	354.75
11.	S 54-00 E	280.50	31.	N 78-00 W	303.25
12.	S 72-30 E	473.55	32.	S 57-00 W	561.00
13.	S 41-15 E	74.25	33.	S 83-00 W	297.00
14.	S 58-00 E	1,402.50	34.	S 41-00 W	264.00
15.	S 86-30 E	181.50	35.	S 71-00 W	272.25
16.	S 67-30 E	297.00	36.	S 59-00 W	375.38
17.	S 85-30 E	122.10	37.	N 72-00 W	622.88
18.	S 77-30 E	79.20	38.	N 41-15 W	243.38
19.	S 3-00 E	585.75	39.	S 71-00 W	313.50
20.	N 81-00 W	23.10			

LINE A N 74-54 E 347.79

LONGITUDE 80° 42' 30"

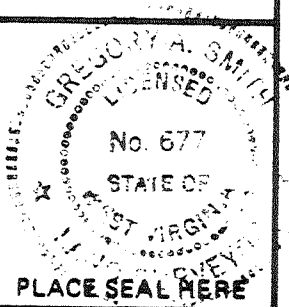
80° 40'



ERWIN WELL NO. 4

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION INTERSECTION OF ROADS ON PROPERTY - ELEV. 892'

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 (SIGNED) Gregory A. Smith
 R.P.E. _____ L.L.S. 677



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



DATE OCTOBER 2, 1980
 OPERATOR'S WELL NO. 4
 API WELL NO. 47-017-2916
 STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT Canceled

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

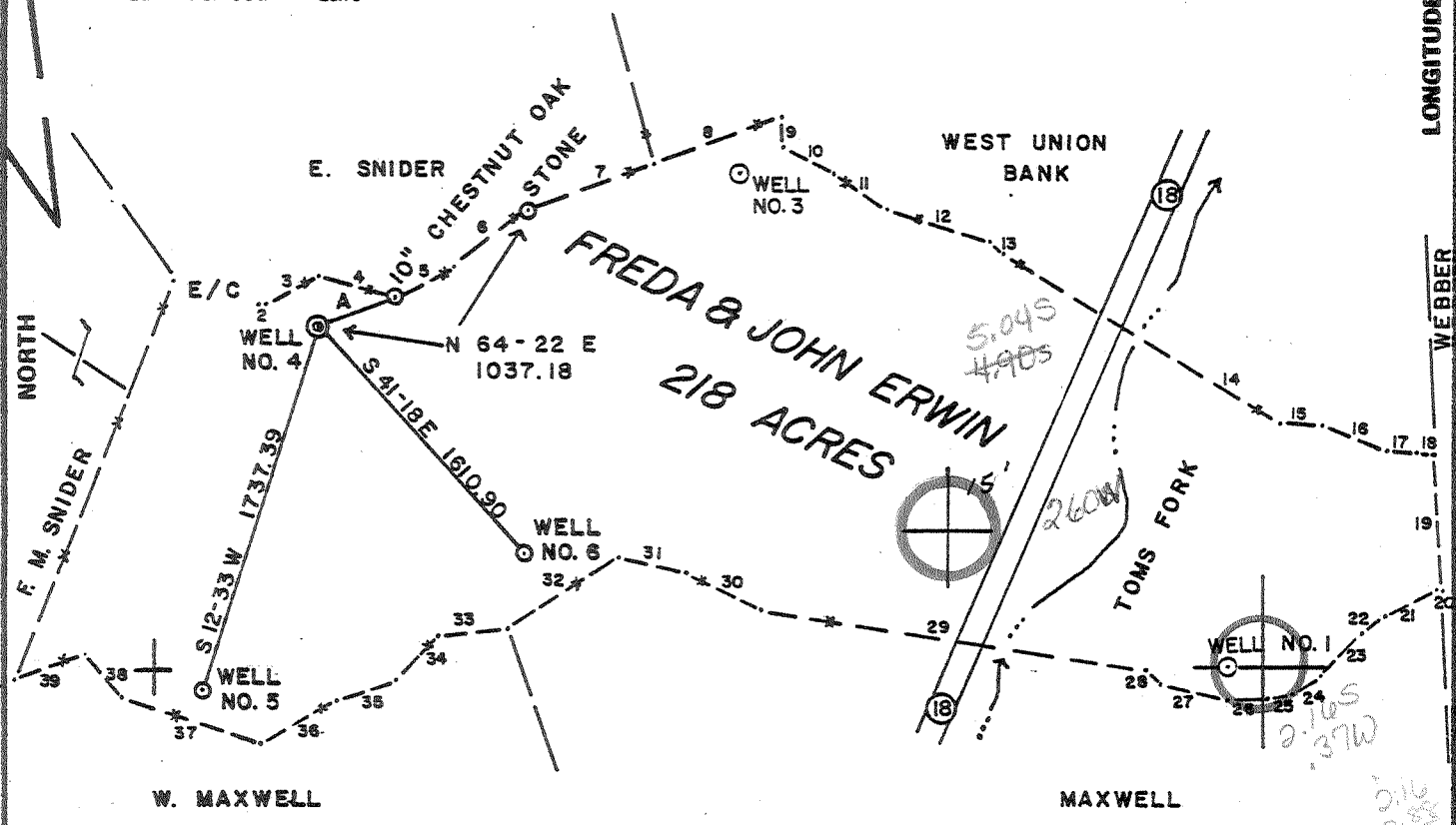
WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP SHALLOW _____
 LOCATION: ELEVATION 1182' WATER SHED TOMS FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5
 SURFACE OWNER FREDA & JOHN ERWIN ACREAGE 218
 OIL & GAS ROYALTY OWNER FREDA & JOHN ERWIN LEASE ACREAGE 218
 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 DAVONIAN SHALE ESTIMATED DEPTH 5500'
 WELL OPERATOR SWIFT ENERGY CO. DESIGNATED AGENT E. A. BROOME
 ADDRESS 654 E. NORTH BELT SUITE 212 ADDRESS RT. 76 BOX 35 E
HOUSTON, TEXAS 77060 GLENNVILLE, W.V. 26351

AUG 24 1981

1.	N 21-30 E	1848.00	21.	S 61-00 W	239.27
2.	S 87-00 E	33.00	22.	S 52-45 W	129.70
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5.	N 62-00 E	297.00	25.	S 78-00 W	99.00
6.	N 52-00 E	404.25	26.	S 84-00 W	161.70
7.	N 70-00 E	577.50	27.	N 71-00 W	290.40
8.	N 70-00 E	594.00	28.	N 58-30 W	90.75
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10.	S 62-00 E	346.50	30.	N 64-00 W	354.75
11.	S 54-00 E	280.50	31.	N 78-00 W	303.25
12.	S 72-30 E	473.55	32.	S 57-00 W	561.00
13.	S 41-15 E	74.25	33.	S 83-00 W	297.00
14.	S 58-00 E	1,402.50	34.	S 41-00 W	264.00
15.	S 86-30 E	181.50	35.	S 71-00 W	272.25
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18.	S 77-30 E	79.20	38.	N 41-15 W	243.38
19.	S 3-00 E	585.75	39.	S 71-00 W	313.50
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LINE A N 74-54 E 347.79

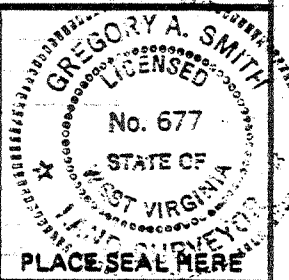
LONGITUDE 80° 42' 30"
80° 40'



ERWIN WELL NO. 4

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION INTERSECTION OF ROADS ON PROPERTY - ELEV. 892'

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 (SIGNED) Gregory A. Smith
 R.P.E. _____ L.L.S. 677



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



DATE OCTOBER 2, 1980
 OPERATOR'S WELL NO. 4
 API WELL NO. 47-017-2916
 STATE WEST VIRGINIA COUNTY DODDRIDGE 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 1182' WATER SHED TOMS FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5' NW Quad 15
 SURFACE OWNER FREDA & JOHN ERWIN ACREAGE 218
 OIL & GAS ROYALTY OWNER FREDA & JOHN ERWIN LEASE ACREAGE 218
 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) _____
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 ADDRESS 654 E. NORTH BELT SUITE 212 ADDRESS RT. 76 BOX 35 E
HOUSTON, TEXAS 77060 GLENNVILLE, W.V. 26351



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
DEC 30 1980

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE November 11, 1980

Surface Owner Freda & John Erwin

Company Swift Energy Company

Address New Milton, WV

Address 654 E. North Belt, Suite 212, Houston,

Mineral Owner Freda & John Erwin

Farm Erwin Acres 218

Address New Milton, WV

Location (waters) Toms Fork

Coal Owner Freda & John Erwin

Well No. Four (4) Elevation 1182'

Address New Milton, WV

District New Milton County Doddridge

Coal Operator -None-

Quadrangle New Milton 7.5'

Address _____

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 8-31-81.

INSPECTOR
TO BE NOTIFIED Paul Garrett

ADDRESS 321 Beech St., Clarksburg, WV

PHONE 622-3871

J. H. Murray
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 October 1 1980 by Freda H. Erwin, etal made to Trio Petroleum Corp. and recorded on the 15th day of October 1980, in Doddridge County, Book 117 Page 393

XXX 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~~
Agent

Very truly yours,
(Sign Name) *E. A. Broome*
~~XXXXXXXXXX~~ E. A. Broome, Agent

Rt. 76, Box 35-E
Street
Glenville
City or Town
West Virginia
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.

BLANKET BOND

47-017-2916 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by *E. A. Broome*

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

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Union Drilling, Inc. NAME E. A. Broome
 ADDRESS Drawer 40, Buckhannon, WV ADDRESS Rt. 76, Box 35-E, Glenville, WV
 TELEPHONE 472-4610 TELEPHONE 462-7311
 ESTIMATED DEPTH OF COMPLETED WELL: 5500' ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian Shale
 TYPE OF WELL: OIL _____ GAS XXX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LET IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	1200'	1200'	330 Sks. - CTS
7			
5 1/2			540
4 1/2		5400'	150 Sks. or as
3			Perf. Top <i>sepd. by rule</i>
X		5300'	Perf. Bottom <i>15.01</i>
1 INCH			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET SALT WATER N/A FEET
 APPROXIMATE COAL DEPTHS -None-
 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