

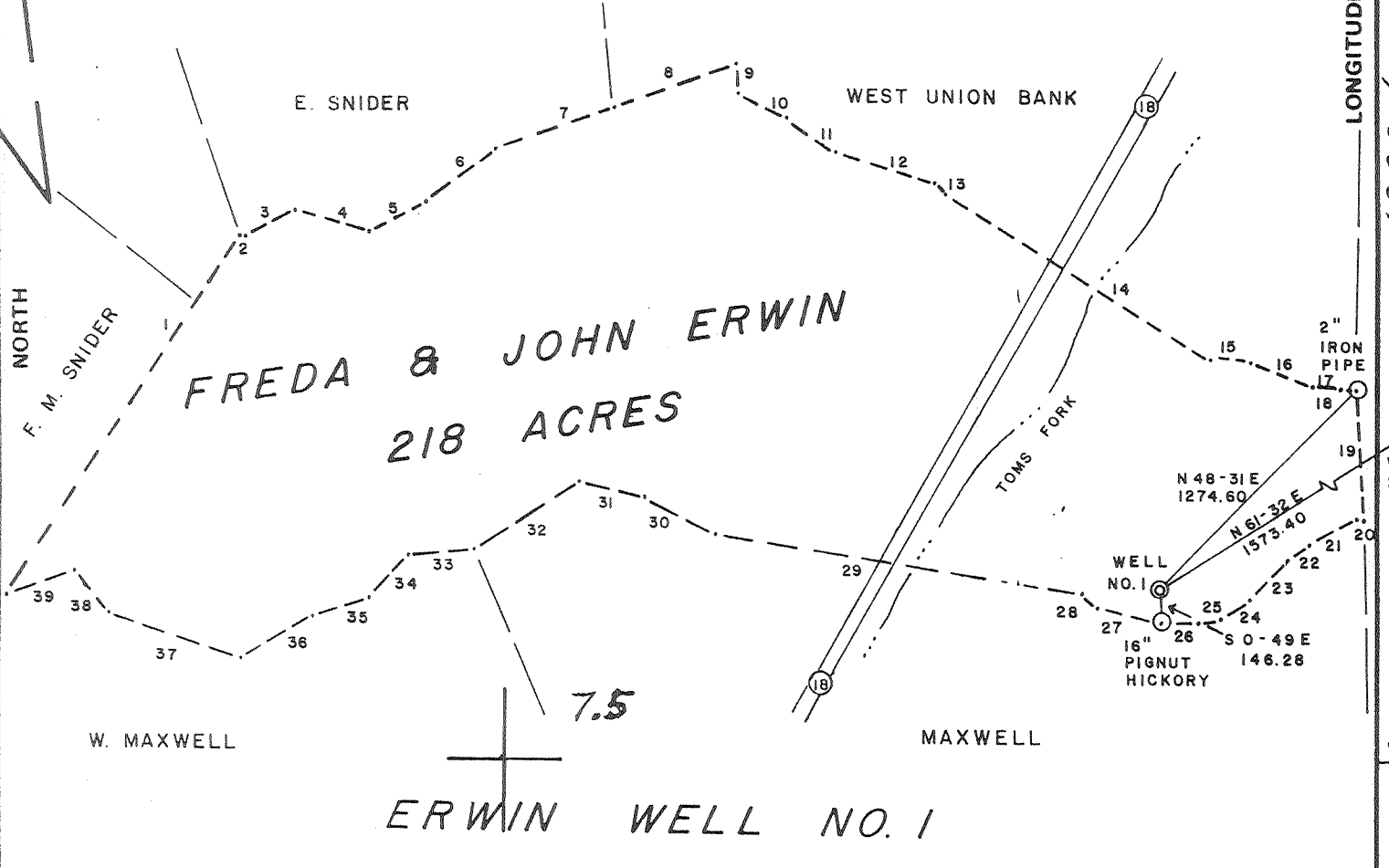
9890'

LATITUDE 39° 12' 30"

Gomie 10/31/89

1.	N	21-30 E	1848.00
2.	S	87-00 E	35.00
3.	N	62-00 E	255.75
4.	S	75-00 E	346.50
5.	N	62-00 E	297.00
6.	N	52-00 E	404.25
7.	N	70-00 E	577.50
8.	N	70-00 E	594.00
9.	S	1-00 E	138.60
10.	S	62-00 E	346.50
11.	S	54-00 E	280.50
12.	S	72-30 E	473.55
13.	S	41-15 E	74.25
14.	S	58-00 E	1402.50
15.	S	86-30 E	181.50
16.	S	87-30 E	297.00
17.	S	85-30 E	122.10
18.	S	77-30 E	79.20
19.	S	3-00 E	585.75
20.	N	81-00 W	23.10

21.	S	61-00 W	239.27
22.	S	52-45 W	128.70
23.	S	45-00 W	255.75
24.	S	55-00 W	143.55
25.	S	78-00 W	99.00
26.	S	84-00 W	161.70
27.	N	71-00 W	290.40
28.	N	56-30 W	90.75
29.	N	81-00 W	1666.50
30.	N	64-00 W	354.75
31.	N	78-00 W	305.25
32.	S	57-00 W	561.00
33.	S	83-00 W	297.00
34.	S	41-00 W	264.00
35.	S	71-00 W	272.25
36.	S	59-00 W	375.38
37.	N	72-00 W	622.88
38.	N	41-15 W	243.38
39.	S	71-00 W	313.50



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 800'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION INTERSECTION OF ROADS ON PROPERTY - SPOT ELEVATION 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. 1  
 API WELL NO. 47-017-2903-P  
 STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT 2903-P

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

*Plugging Cancelled*

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP  SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1170' 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 DEVONIAN SHALE ESTIMATED DEPTH 5500'  
 WELL OPERATOR SWIFT ENERGY COMPANY DESIGNATED AGENT JACK WHITMIRE  
 ADDRESS PO BOX 2201 Clarksville, WV 26301 ADDRESS Rt 1 Box 160 East Creek, WV 26385

DEC 30 1981

9890'

LATITUDE 39° 12' 30"

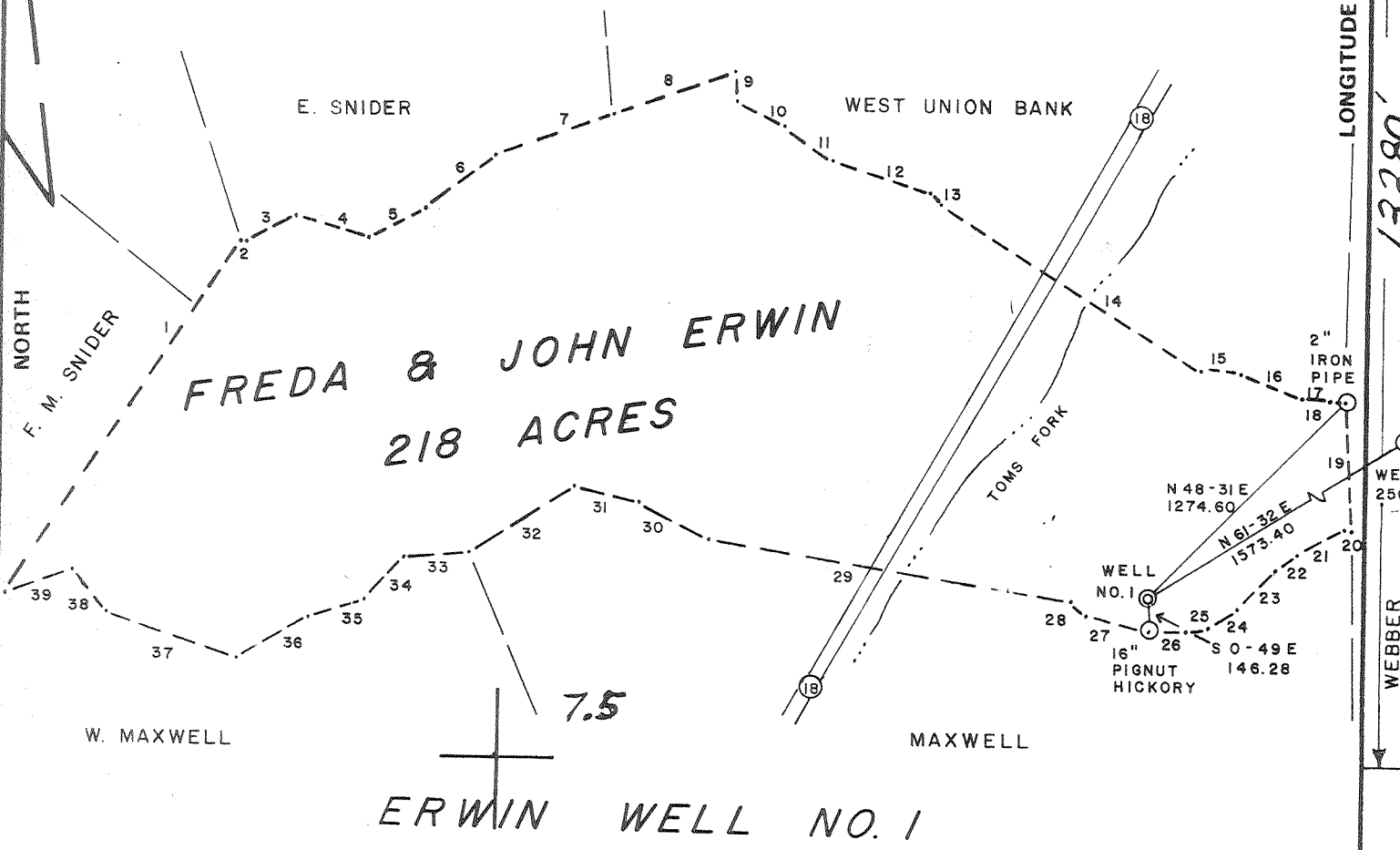
Gomic 10/30/89

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 128.70
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 1666.50
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 305.25
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 1402.50	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	

LONGITUDE 80° 40' 00"

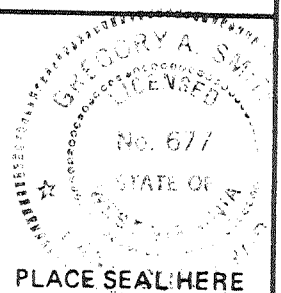
13280'

WEBBER



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 800'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION INTERSECTION OF ROADS ON PROPERTY -- SPOT ELEVATION 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, 19 80  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 47-017-2903-P  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

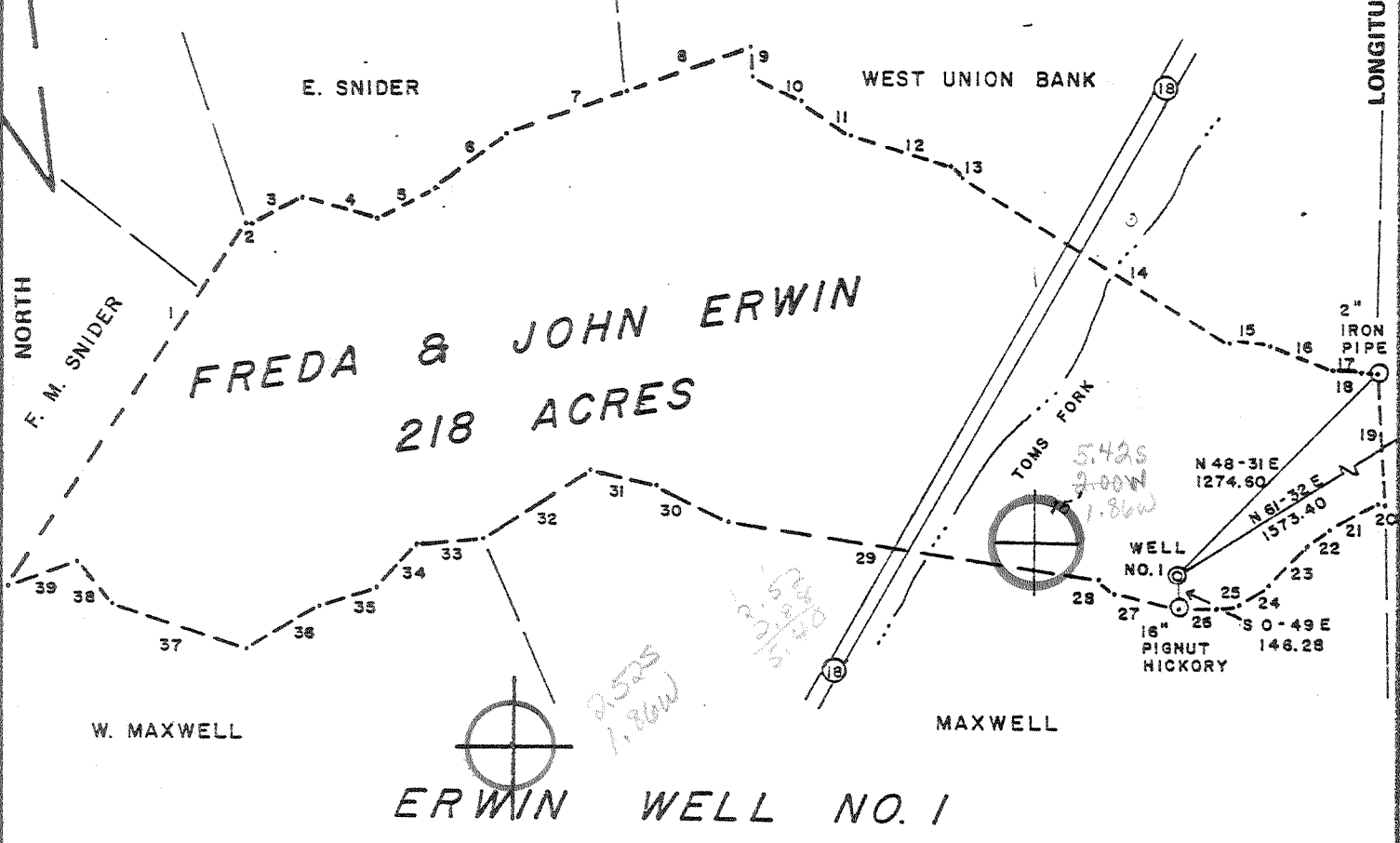
WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP  SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1170' WATER SHED TOMS FORK  
 DISTRICT NEW MILTON COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON 7.5'  
 SURFACE OWNER FREDA & JOHN ERWIN 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 DEVONIAN SHALE ESTIMATED DEPTH 5500'  
 WELL OPERATOR SWIFT ENERGY COMPANY DESIGNATED AGENT JACK WHITMIRE  
 ADDRESS PO BOX 2201 Clarkburg, WV. 26301 ADDRESS Rt. 1 BOX 160 Lost Creek, WV. 26385

LATITUDE 39° 12' 30"  
39° 15'

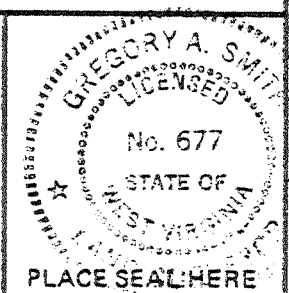
1.	N	21-30 E	1848.00	21.	S	61-00 W	239.27
2.	S	87-00 E	33.00	22.	S	52-48 W	128.70
3.	N	62-00 E	255.75	23.	S	45-00 W	255.75
4.	S	75-00 E	346.50	24.	S	55-00 W	143.55
5.	N	62-00 E	297.00	25.	S	78-00 W	99.00
6.	N	52-00 E	404.25	26.	S	84-00 W	161.70
7.	N	70-00 E	577.50	27.	N	71-00 W	290.40
8.	N	70-00 E	594.00	28.	N	56-30 W	90.75
9.	S	1-00 E	138.60	29.	N	81-00 W	1666.50
10.	S	62-00 E	346.50	30.	N	64-00 W	354.75
11.	S	54-00 E	230.30	31.	N	78-00 W	305.25
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
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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	91-00 W	23.10				

LONGITUDE 80° 40' 00"



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 800'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION INTERSECTION OF ROADS ON PROPERTY — SPOT ELEVATION 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, 19 80  
OPERATOR'S WELL NO. 1  
API WELL NO. 47-017-2903  
STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT 2903

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 1170' WATER SHED TOMS FORK  
DISTRICT NEW MILTON COUNTY DODDRIDGE  
QUADRANGLE NEW MILTON 7.5' 15' W. 1/4 S. 1/4 NW  
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 DEVONIAN SHALE ESTIMATED DEPTH 5500'  
WELL OPERATOR SWIFT ENERGY COMPANY DESIGNATED AGENT E. A. BROOME  
ADDRESS 654 E. NORTH BELT SUITE 212 ADDRESS RT. 76 BOX 35E  
HOUSTON, TEXAS 77060 GLENVILLE, W.V. 26351



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division  
WELL RECORD

7ED  
JUN 1981  
OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle New Milton 7.5'  
Permit No. 47-017-2903

Rotary xxx Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas xxx  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Company <u>Swift Energy Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>654 E. North Belt, Suite 212, Houston, TX</u>				
Farm <u>Erwin</u> Acres <u>218</u>	Size			
Location (waters) <u>Toms Fork</u>	20-16			
Well No. <u>one (1)</u> Elev. <u>1170'</u>	Cond.			
District <u>New Milton</u> County <u>Doddridge</u>	13-10"			
The surface of tract is owned in fee by <u>Freda and John Erwin</u>	9 5/8			
Address <u>New Milton, WV</u>	8 5/8	1222'	1222'	350 Sks.
Mineral rights are owned by <u>Freda and John Erwin</u> Address <u>New Milton, WV</u>	7			
Drilling Commenced <u>December 19, 1980</u>	5 1/2			
Drilling Completed <u>January 5, 1981</u>	4 1/2		5595'	100 Sks.
Initial open flow <u>Show</u> cu. ft. <u>0</u> bbls.	3			
Final production <u>133</u> m.cu. ft. per day <u>0</u> bbls.	2 1 1/2"		5451'	
Well open <u>8</u> hrs. before test <u>2090</u> RP.	Liners Used			

Well treatment details: Attach copy of cementing record. 133 MCF  
Dowell: 2/11/81 - 5489' - 5543' - 20,000# 80-100 Sand, 40,000# 20-40 Sand, 402 BGW and 500 GA.

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water None Feet \_\_\_\_\_ Salt Water 1400' Feet \_\_\_\_\_  
Producing Sand Elk Depth 5499' - 5543'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Clay			0	5		
Sand and Shale			5	200		
Sand			200	500		
Red Rock & Shale			500	1100		
Sand and Shale			1100	2240		
Little Lime			2240	2255		
Pencil Cave			2255	2305		
Big Lime			2305	2348		
Injun Sand			2348	2437		
B. Injun			2437	2500		
Sand and Shale			2500	5500		
Elk ✓ <u>ALIX</u>			5500	5535		
Sand and Shale			5535	5671		
TD			5671			

JUN 23 1981

(over)

\* Indicates Electric Log tops in the remarks section.

Date: December 12, 1980

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Erwin #1  
APT Well No. 47 - 017 - 2903

WELL TYPE: Oil / Gas XXX /  
(If "Gas", Production XXX / Underground storage / Deep / Shallow XXX )  
LOCATION: Elevation: 1170' Watershed: Toms Fork  
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

WELL OPERATOR Swift Energy Company  
Address 654 E. North Belt, Suite 212  
Houston, TX 77060

DESIGNATED AGENT E. A. Broome  
Address Rt. 76, Box 35-E  
Glenville, WV 26351

OIL & GAS ROYALTY OWNER Freda & John Erwin  
Address New Milton, WV

COAL OPERATOR -None-  
Address

ADDRESS 218

SURFACE OWNER Freda & John Erwin  
Address New Milton, WV

COAL OWNER(S) WITH DECLARATION  
Name -None-  
Address

ADDRESS 218

FIELD SALE (IF MADE) TO:  
Name -None-  
Address

Name  
Address

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Paul Garrett  
Address 321 Beech St.  
Clarksburg, WV 26301  
622-3871

COAL LESSEE WITH DECLARATION ON RECORD:  
Name -None-  
Address

**RECEIVED**  
DEC 15 1980  
OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas substances at the location under a deed / Lease XXX / other contract / dated October 1, 1980, from Freda H. Erwin, etal

if said deed, lease, or other contract has been recorded: Yes / recorded on October 15, 1980, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 117 Page 393

PROPOSED WORK: Drill xxx / 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 action they wish to take or are required to make by Code § 22-4-2 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 plus said reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee 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 PHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
WASHINGTON STREET EAST  
CHESTON, WV 25811  
PHONE: (304) 348-5000

BLANKET BOND

SWIFT ENERGY COMPANY  
Well Operator

By E. A. Broome

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Union Drilling, Inc.  
Address Drawer 40  
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Devonian Shale

Estimated depth of completed well, 5500 feet Rotary XXX / Cable tools      /  
Approximate water strata depths: Fresh, 50' feet; salt, N/A feet.  
Approximate coal seam depths: -None- Is coal being mined in the area? Yes      / No XX /

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	ERW	20	XX		1200'	1200'	330 sks. <u>CTS</u>
Coal								Sizes
Intermediate								
Production	4-1/2	K-55	9.5	XX			5400'	<sup>500</sup> 150 sks. <u>depths set</u>
Tubing	1-1/2	CM	2.75	XX			5300'	<u>as reqd by rule 15.0</u>
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 drilling within 200 feet of the proposed well.

**THIS PERMIT MUST BE POSTED AT THE WELL SITE**  
A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing 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. This permit shall expire if operations have not commenced by 8-19-81.

J. M. Muzzey  
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