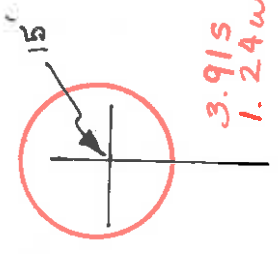
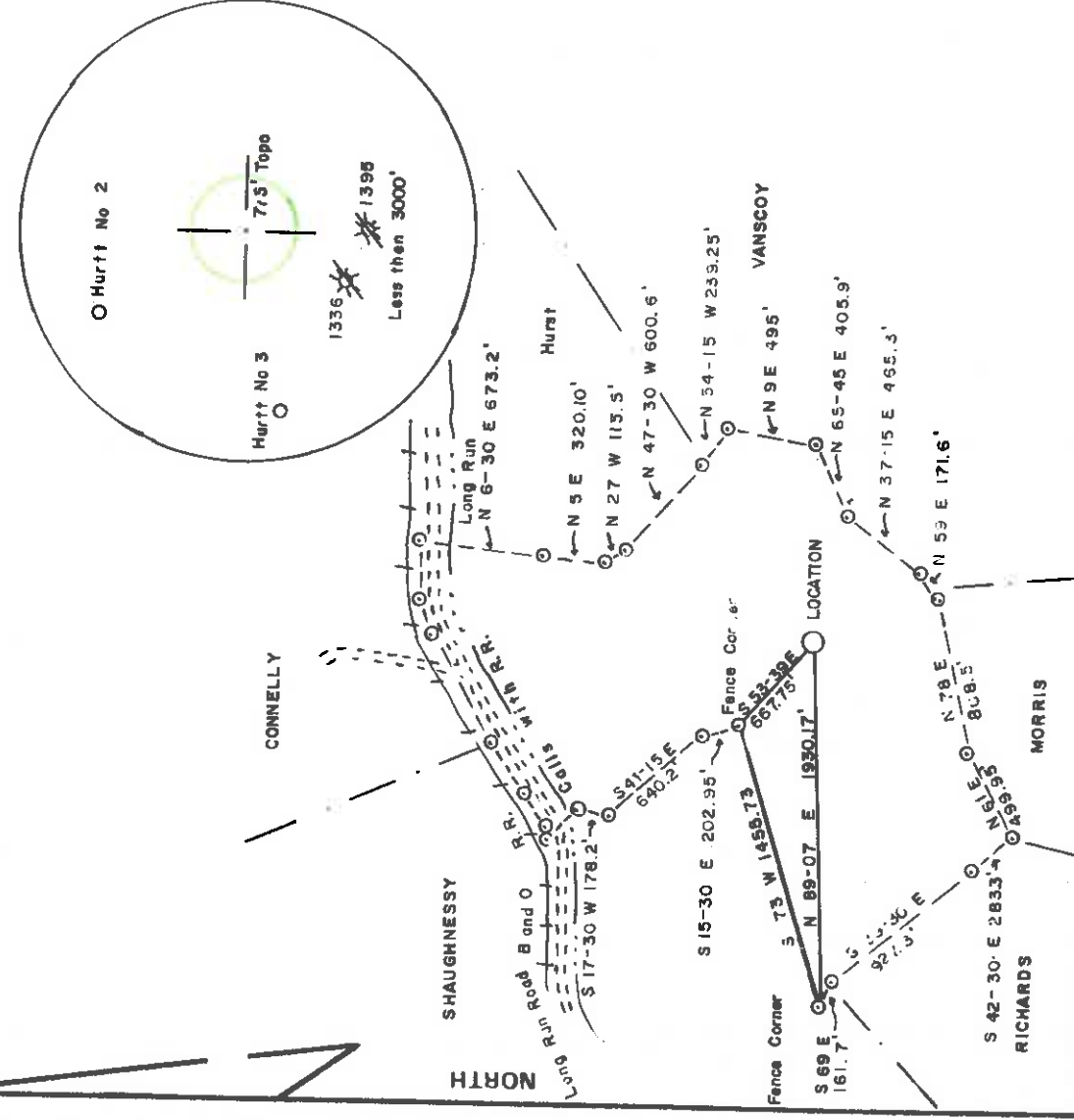


M.S. 11/15/82

Plot Card CSD

6360' LATITUDE 39° 17' 30" 39° 20' LONGITUDE 80° 35' 00" 5724'



FILE NO. 001-01
DRAWING NO. 82-44
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION 974' Road Intersection
SE of location

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) David M Owen
R.P.E. L.L.S. 743

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

PLACE SEAL HERE



DATE OCT 25 19 82
OPERATOR'S WELL NO. Hurtt No. 1
API WELL NO. 47-017-3186
STATE OHIO COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

NON NOV 22 1982

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1175' WATER SHED Long Run
DISTRICT Grant COUNTY Doddridge
QUADRANGLE Salem Centerpoint 15' 5c ACREAGE 96.5
SURFACE OWNER James P. Law et al LEASE ACREAGE 108
OIL & GAS ROYALTY OWNER William C. Hurtt et al LEASE NO. 49-0239

PROPOSED WORK: DRILL X 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 Elk ESTIMATED DEPTH 5900'
WELL OPERATOR Swift Energy DESIGNATED AGENT Tim Bennett
ADDRESS P.O. Box 1933 Clarksburg WV 26301
ADDRESS P.O. Box 1933 Clarksburg WV 26301

H. T. HALL

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

I-17-83 Gordon SD - 3021--3025, 2983-2991, 12,000# 80-100 SD, 40,000#
20-40 SD, 30,000 SCF N₂, 500 GA, 450 BM.

Perforated 2288'-2300'. No acid & No Frac.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sandstone & Shale Coal Sandstone & Shale Coal Sandstone & Shale / with coal seams			222 237 521 525	222 237 521 525 1243	<p>REMARKS</p> <p>Including indication of all fresh and salt water, coal, oil and gas</p> <p>1/2" stream water at 105'</p> <p>Gas check at 1450' no show</p> <p>Gas check at 1725' no show</p> <p>Met at 1800'</p> <p>Gas check at 1941' no show</p> <p>Gas check at 2099' no show</p> <p>Gas check at 2130' no show</p> <p>Gas check at 2350' 60/10 thru 2" water - 327 MCF</p> <p>Gas check at 2408' 80/10 - 2" water 377 MCF</p>
Plugged back with gel Cement Slurry Gel Cement Slurry			5950' 5650' 5550' 4050' 4050'	-5650' -5500' -4050' -3950'	<p>* Set bridge plug at 3050', 2400'.</p> <p>Plugged well with cement Gel Cement</p> <p>2400'-2200' 2200'-100' 100' to surface</p>

→ Balwell @ T.D.

(Attach separate sheets as necessary)

SWIFT ENERGY COMPANY
Well Operator

By: Virgil N. Swift
Date: March 10, 1983

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 well, encountered in the drilling of a well."

RECEIVED



MAR 14 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

IV-35
(Rev 8-81)

Date March 9, 1983

Operator's

State of West Virginia Well No. Hurtt No. 1

Department of Mines Farm

Oil and Gas Division

API No. 47 - 017 - 3186

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil XX / Gas XX / Liquid Injection / Waste Disposal
(If "Gas," Production XX / Underground Storage / Deep / Shallow XX /)

LOCATION: Elevation: 1175 Watershed Leas Run

District: Grant County Doddridge Quadrangle Salem

COMPANY Swift Energy Co.

ADDRESS P.O. Box 2201, Clarksburg, WV 26301

DESIGNATED AGENT Tim Bennett

ADDRESS 737 Karl Street, Weston, WV 26452

SURFACE OWNER James P. Law

ADDRESS P.O. Box 91, Industrial, WV 26375

MINERAL RIGHTS OWNER William C. Hurtt, et al

ADDRESS 856 Canterbury Lane, Pittsburg, PA

OIL AND GAS INSPECTOR FOR THIS WORK

Stephen Casey ADDRESS Rt. 2, Jane Lew, WV

PERMIT ISSUED 11-16-82

DRILLING COMMENCED 11-27-82

DRILLING COMPLETED 12-20-82

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON 2-17-82

GEOLOGICAL TARGET FORMATION E1k

Depth of completed well P.B.I.D.=3820 feet Rotary XX / Cable Tools feet

Water strata depth: Fresh feet; Salt feet

Coal seam depths: 222,521,642,940,973,1241

OPEN FLOW DATA

Producing formation

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

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Oil: 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

Casing Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1278	1278	335 sks
7		3855	260 sks
5 1/2			
4 1/2			
3			
2			
Liners used			

DO D 3186

MAR 21 1983

(Continue on reverse side)

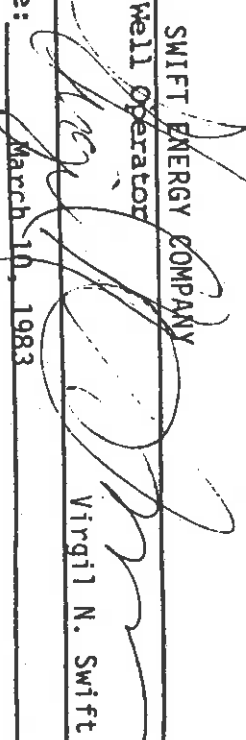
DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

I-17-83 Gordon SD, 3021--3025, 2983-2991, 12,000# 80-100 SD, 40,000#
20-40 SD, 30,000 SCF N₂, 500 GA, 450 BW.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sandstone & Shale Coal Sandstone & Shale Coal Sandstone & Shale / with coal seams			0 222 237 521 525	222 237 521 525 1243	Including indication of all fresh and salt water, coal, oil and gas
					1/2" stream water at 105' Gas check at 1450' no show Gas check at 1725' no show Wet at 1800' Gas check at 1941' no show Gas check at 2099' no show Gas check at 2130' no show Gas check at 2350' 60/10 thru 2" water - 327 MCF Gas check at 2408' 80/10 - 2" wate

(Attach separate sheets as necessary)

SWIFT ENERGY COMPANY
Well Operator
By: 
Virgil N. Swift
Date: March 10, 1983

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
well, encountered in the drilling of a well."



1) Date: November 15, 1982
 2) Operator's Well No. 11751
 3) API Well No. 47 State West Virginia County Putnam Permit 1114

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 OIL AND GAS WELL PERMIT APPLICATION

DRILLING CONTRACTOR:

4) WELL TYPE: A Oil Gas
 B (If "Gas", Production
 5) LOCATION: Elevation: 11751 Undergrnd storage Deep Shallow
 District: Grant Watershed: Putnam
 County: Putnam Quadrangle: 11751

6) WELL OPERATOR: W. S. Jones Address 11751

7) OIL & GAS ROYALTY OWNER: William C. Hurt, et al Address 11751

8) SURFACE OWNER: Industrial, W 26372 Address 11751

9) FIELD SALE (IF MADE) TO: 11751 Address 11751

10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name James Jones Address 11751

11) COAL OPERATOR: 11751 Address 11751

12) COAL OPERATOR: 11751 Address 11751

13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name 11751 Address 11751

14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name 11751 Address 11751

15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) DEPT. OF MINES

16) GEOLOGICAL TARGET FORMATION, 11751 feet
 17) Estimated depth of completed well, 11751 feet
 18) Approximate water strata depths: Fresh, 11751 feet; salt, 11751 feet.
 19) Approximate coal seam depths: 11751 feet. Is coal being mined in the area? Yes No

20) 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"		13.3			10	30	Kind
Fresh water								Sizes
Coal								Depths set
Intermediate								Perforations:
Production								Top
Tubing								Bottom
Liners								

21) EXTRACTION RIGHTS
 Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
 If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)
 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 at Charleston, West Virginia.

Notary: _____ Signed: _____
 My Commission Expires _____ Its: _____

OFFICE USE ONLY
DRILLING PERMIT
 Permit number 11751

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires July 16, 1983 Date
 Bond: _____ unless drilling is commenced prior to that date and prosecuted with due diligence.
 Agent: _____ Plat: _____ Casing Fee
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-11c
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20: See Note 24
- 15) Work that will be attempted—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.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
(1) A brief description of the tract of land including the district and county wherein the tract is located;
(2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
(3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
(4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.
- 24) **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.**

.....
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.

WAIVER

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 _____

