



PREPARED BY DAVIS ASSOCIATES, CLARKSBURG, WV

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION EXISTING WELL NO. 873
ELEV. 938'

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) Stephen D. Losh
R.P.E. _____ L.L.S. 674



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE OCTOBER 11, 19 82
OPERATOR'S WELL NO. WOLFE NO. 1
API WELL NO. 47-017-3178
STATE CO COUNTY SMITH PERMIT 8750

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1194' WATER SHED LYNN CAMP RUN
DISTRICT McGLELLAN COUNTY DOODRIDGE
QUADRANGLE SALEM 7.5 min. Center point 15' SC
SURFACE OWNER VIRGIL D. HERROD ACREAGE 41.00
OIL & GAS ROYALTY OWNER NINA OLETA WOLFE, et al. LEASE ACREAGE 57.50
LEASE NO. 49-0171-A Herrod
PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

NOV 8 1982

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION BENSON ESTIMATED DEPTH 5200'
WELL OPERATOR SWIFT ENERGY COMPANY DESIGNATED AGENT TIM BENNETT

6-6 Smithton-Flint-Sedalia (99)

RECEIVED



IV-35
(Rev 8-81)

JAN 31 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date January 13, 1983
Operator's Wolfe #1
Well No. Wolfe #1
Farm _____
API No. 47 - 017 - 3178

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1194 Watershed Lynn Camp Run
District: McClelland County Doddridge Quadrangle Salem 7 1/2'

COMPANY Swift Energy Company

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

DESIGNATED AGENT Tim Bennett

ADDRESS 737 Karl St., Weston, WV 26352

SURFACE OWNER Virgil Herrod

ADDRESS Rt 2, Salem, WV 26426

MINERAL RIGHTS OWNER Nina Oleta Wolfe

ADDRESS 8105 Peach St., Erie, PA 16509

OIL AND GAS INSPECTOR FOR THIS WORK _____

Stephen Casey ADDRESS Jane Lew, WV

PERMIT ISSUED 11-01-82

DRILLING COMMENCED 11-09-82

DRILLING COMPLETED 11-15-82

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1589'	1589'	380
7			
5 1/2			
4 1/2		5664'	580
3			
2 3/8'		5509'	
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5200 feet

Depth of completed well 5756 feet Rotary XX / Cable Tools _____

Water strata depth: Fresh - feet; Salt - feet

Coal seam depths: 405 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Benson Pay zone depth 5278 - 5286 feet

Gas: Initial open flow N/A Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 372 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1480 psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)

Second producing formation Alexander Pay zone depth 5554 - 5562 feet

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

FEB 14 1983

(Continue on reverse side)

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

11-30-82 Alexander - 5554'-62', 5584'-90', 10,000# 80-100 SD,
32,500# 20-40 SD, 20,000 SCF N₂, 500 GA, 90 BW.
Benson - 5278'-86', 10,000# 80-100 SD, 32,500# 20-40 SD, 20,000 SCF N₂,
500 GA, 90 BW.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
sandstone & Shale			0	405	
Coal			405	408	110' 1" stream
Sandstone & Shale			408	2218	Hole damp at 1860'
Big Lime			2218	2252	Gas Check at 2343' no show
Big Injun Sand			2252	2356	at 2559' " "
Shale			2356	2719	at 3022' " "
Gantz Sand			2719	2749	at 3237' " "
Sandstone & Shale			2749	3012	at 3419' " "
Gordon Sand			3012	3083	at 4774' " "
Sandstone & Shale			3083	3608	at 4805' " "
Warren Sand			3608	3632	but slight smell
Sandstone & Shale			3632	5273	at 5355' 10/10-2" w/w
Benson Sand			5273	5308	
Sandstone & Shale			5308	5670	
			5756 T.D.	E.L.C. at T.D.	

(Attach separate sheets as necessary)

Swift Energy Company
Well Operator
By: Virgil N. Swift
Date: 1-24-83

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
coal, encountered in the drilling of a well."



1) Date: Oct 27, 1983
 2) Operator's Well No. WV 41
 3) API Well No. 47 State West Virginia County Putnam Permit 197-017-0178

DRILLING CONTRACTOR:
Unknown

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 1184' Watershed: Leon Camp Run
 District: McDowell County: Putnam Quadrangle: Salem
- 6) WELL OPERATOR Salt Energy Company 11) DESIGNATED AGENT Tim Barnett
 Address P O Box 2203 Address 707 Carl Street
Clarksburg, WV 25801
- 7) OIL & GAS ROYALTY OWNER Vina Jista Wolfe 12) COAL OPERATOR None
 Address 3706 Peach Street Address
Erie, PA 16528
- 8) SURFACE OWNER Virgil D. Harrod 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Route 2 Name None
Salem, WV 25842 Address
- 9) FIELD SALE (IF MADE) TO: Name None
 Address N/A Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name Steve Casey Name None
 Address Jama Linn, WV Address
- 15) PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Santon
- 17) Estimated depth of completed well, 5200 feet
- 18) Approximate water strata depths: Fresh, 100 feet; salt, feet.
- 19) Approximate coal seam depths: None Is coal being mined in the area? Yes / No

RECEIVED
OCT. 27 1983
OIL & GAS DIVISION

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	Left in well		
Conductor	3 3/4			X		30	30	Irregular	Kinds
Fresh water									
Coal									Sizes
Intermediate	5 7/8			X		1200	1200	To surface	
Production	2 1/2			X		5200	5200	As required	Depths set
Tubing									
Liners									Perforations: Top Bottom

- 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.)
- 24) 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 197-017-0178 Date

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 1, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u> </u>	Agent: <u> </u>	Plat: <u> </u>	Casing: <u> </u>	Fee: <u> </u>
-----------------------	------------------------	-----------------------	-------------------------	----------------------

 Administrator, Office of Oil and Gas