



FILE NO. 003.01
DRAWING NO. 82-02
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION Benchmark SE of location BM 879

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

PLACE SEAL HERE

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



DATE June 07, 1982
OPERATOR'S WELL NO. Postlethwait No. 1
API WELL NO. 47-017-3113
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 1009' WATER SHED Long Run
DISTRICT Grant COUNTY Doddridge
QUADRANGLE Smithburg Contourpoint 15' SC
SURFACE OWNER Carl Wofford and Alice Gae Davis ACREAGE 29.25 and 75
OIL & GAS ROYALTY OWNER Peggy Postlethwait LEASE ACREAGE 30
LEASE NO. 49-0173
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 BENSON ESTIMATED DEPTH 5200'
WELL OPERATOR Swift Energy DESIGNATED AGENT Tim Bennett
ADDRESS P.O. B 1933 ADDRESS P.O. B 1933
Clarksburg WV 26301 Clarksburg WV 26301

JUL 12 1982



IV-35
(Rev 8-81)

Date April 5, 1983
Operator's Well No Postlethwait #1
Farm _____
API No. 47 - 017 - 3113

State of West Virginia
Department of Mines
Oil and Gas Division

MAY 23 1983

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

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

LOCATION: Elevation: 1009 Watershed Long Run
District: Grant County Doddridge Quadrangle Smithburg

COMPANY Swift Energy Company
ADDRESS P. O. Box 2201, Clarksburg, W.VA. 26301
DESIGNATED AGENT Tim Bennett
ADDRESS 737 Karl St., Weston, W. VA. 26452
SURFACE OWNER Carl Wolford
ADDRESS Rt. 1, Salem, W. VA. 26416
MINERAL RIGHTS OWNER Peggy Postlethwait
ADDRESS Tr. #, Box 441, Salem, W. VA. 26426
OIL AND GAS INSPECTOR FOR THIS WORK
Steve Casey ADDRESS Rt.2, Jane Lew, W. VA.
PERMIT ISSUED 7-8, 98
DRILLING COMMENCED 7-14-82
DRILLING COMPLETED 7-20-82

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"			
9 5/8			
8 5/8	1700	1700	400
7			
5 1/2			
4 1/2		5482	560
3			
2 3/8		5394	
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5200 feet
Depth of completed well 5825 feet Rotary X / Cable Tools _____
Water strata depth: Fresh - feet; Salt - feet
Coal seam depths: None Is coal being mined in the area? Miles
N 2
away

OPEN FLOW DATA

Producing formation Elk* 1st Pay zone depth 5010 feet
Gas: Initial open flow N/A Mcf/d Oil: Initial open flow - Bbl/d
Final open flow 925 Mcf/d Final open flow - Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 185 psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)

Second producing formation Elk(s) 2nd Pay zone depth _____ 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

Gas from Formations comingled

MAY 23 1983

(Continued on next page)

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

Alexander
 9-17-82 ~~2nd Elk~~ - 5352' - 5354', 5356' - 5359', 5417' - 5419',
 10,000# 80-100 SD, 32,500# 20-40 SD, 500 GA, 500 BGW.
~~1st Elk~~ - 5010' - 5018', 10,000# 80-100 SD, 32,500# 20-40 SD,
Benson 500 GA, 500 BGW.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Topsoil			0	30	
Shale			30	90	
Shale & Sandstone			90	1200	
Shale			1200	1300	
Sandstone & Shale			1300	1957	
Limestone (Big & Little Lime)					
& Shale			1957	2090	
Big Injun			2090	2144	
Sandstone & Shale			2144	2869	
Gordon			2869	2872	
Sandstone & Shale			2872	3368	
Elizabeth Sand			3368	3392	
Sandstone & Shale			3392	5010	
Benson Sand			5010	5045 ✓	
Sandstone & Shale			5045	5150	

5825
5045
780

TD 5825 ELK @ TD

(Attach separate sheets as necessary)

Swift Energy Company
 Well Operator
 By: *James M. Kitterman* James M. Kitterman - V.P.
 Date: April 5, 1983 Drilling & Production

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 ... encountered in the drilling of a well."



Date: June 22, 19 82

Operator's Well No. Postlethwait #1

API Well No. 47 - 017 - 3113

State County Permit

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

WELL TYPE: Oil / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow X /)

LOCATION: Elevation: 1009' Watershed: Long Run
District: Grant County: Doddridge Quadrangle: Smithburg

WELL OPERATOR Swift Energy Company
Address P. O. Box 2201
Clarksburg, WV 26301

DESIGNATED AGENT Tim Bennett
Address 737 Karl Street
Weston, WV 26452

OIL & GAS ROYALTY OWNER Peggy Postlethwait
Address Rt. 1, Box 441
Salem, WV 26426

COAL OPERATOR
Address

ACREAGE 30
SURFACE OWNER Carl Wolford
Address Rt. 1
Salem, WV 26416
ACREAGE 30

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Virginia A. Tetrick Hrs.
Address c/o Willis Tetrick
Box 267, Clarksburg, WV 26301

FIELD SALE (IF MADE) TO:
Address

Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Steven Casey
Address Rt. 2
Jane Lew, WV 26378

COAL LESSEE WITH DECLARATION ON RECORD
Name
Address
RECEIVED
JUN 23 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X other contract / dated Dec. 2, 19 81, to the undersigned well operator from Peggy Postlethwait

(If said deed, lease, or other contract has been recorded:)
Recorded on , 19 , in the office of the Clerk of the County Commission of County, West Va., in Lease Book 122 at page 751. A permit is requested as follows:

PROPOSED WORK: Drill X / 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 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.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail ~~and 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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

SWIFT ENERGY COMPANY
Tim Bennett
Swift Energy Company
P. O. Box 2201
By Clarksburg, WV 26301
Its Designated Agent

(12-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Unknown
Address _____

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 5450 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 60', 259' feet; salt, 2000 feet.

Approximate coal seam depths: 150 Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	11 3/4				X	300'	300'	CTS	Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8	J-55		X		2000		To Surface	
Production	4 1/2	J-55		X		5450		As Req.	Depths set
Tubing								By Rule	15.01
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 dwelling within 200 feet of the proposed well.

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.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 3-8-83
BY [Signature]

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 _____