

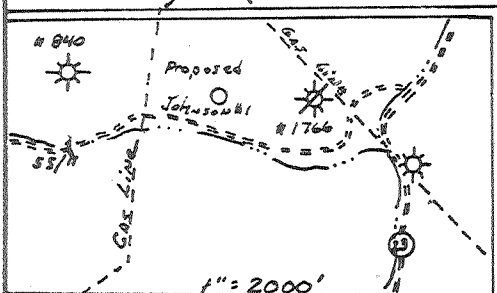
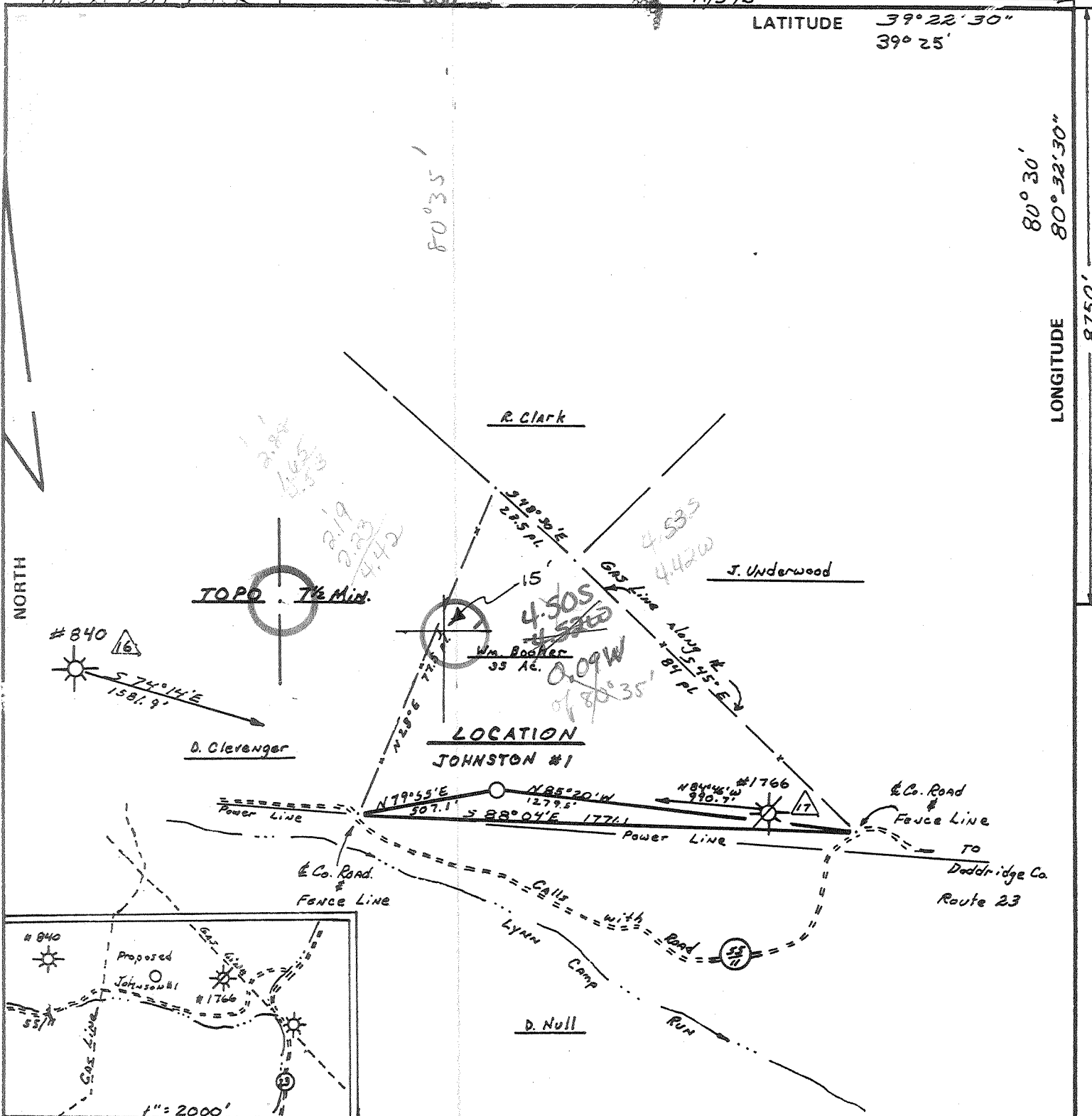
Plot on V-Card CSU

10/13/82

11,575'

LATITUDE 39° 22' 30"
39° 25'

LONGITUDE 80° 30'
80° 32' 30"
8750'



FILE NO. 547
 DRAWING NO. 82-35
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION Spot Elevation 1343 Hill Top N.W. 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) Rayford L. Osterlander
 R.P.E. _____ L.L.S. 555
Backhannon, W. Va.

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 6 October, 19 82
 OPERATOR'S WELL NO. Johnston #1
 API WELL NO. _____
47 - 017 - 3157
 STATE COUNTY PERMIT

(+) 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 1069 WATER SHED Lynn Camp Run
 DISTRICT Me Clellan COUNTY Doddridge
 QUADRANGLE Salem Centepont 15'
 SURFACE OWNER William Booher ACREAGE 3.5
 OIL & GAS ROYALTY OWNER Guy C. Light 3/16, E. Lynn Terry 3/16, Carter Johnson 15/32, R. Knight, J. Hought, & Carl 1/2 LEASE ACREAGE 3.5
 LEASE NO. 49-0170 A & B
 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 Benson ESTIMATED DEPTH 5200'
 WELL OPERATOR Swift Energy Co. DESIGNATED AGENT Tim Bennett
 ADDRESS 652 E. North Belt Houston, Texas 77060 ADDRESS 737 Karl St Weston, W. Va. 26452

OCT 18 1982
 6-6 Smithton-Flint
 Sedalia (99)



IV-35
(Rev 8-82)

RECEIVED

JAN 31 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date December 10, 1982

Operator's Well No. Johnston #1

Farm

API No. 47 - 017 - 3157

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: 1 069' Watershed Lynn Camp Run
District: McClelland County Doddridge Quadrangle Salem

COMPANY Swift Energy Company
ADDRESS P.O. Box 2201, Clarksburg, WV 26301
DESIGNATED AGENT Tim Bennett
ADDRESS 737 Karl St., Weston, WV 26452
SURFACE OWNER William Booher
ADDRESS Rt. 2, Salem WV 26426
MINERAL RIGHTS OWNER Brooks Cutright et al
ADDRESS Rt. , Salem, WV 26426
OIL AND GAS INSPECTOR FOR THIS WORK
Stephen Casey ADDRESS Rt. 2, Jane Lew, WV
PERMIT ISSUED 10-13-82
DRILLING COMMENCED 10-28-82
DRILLING COMPLETED 11-03-82

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	1822'	1822'	465
7			
5 1/2			
4 1/2		5221'	570
3			
2 3/8"		5052'	
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5200 feet
Depth of completed well 5650 feet Rotary XX / Cable Tools ___
Water strata depth: Fresh 1672 feet; Salt -- feet
Coal seam depths: -- Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Benson Pay zone depth 5080-86 feet
Gas: Initial open flow N/A Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow 292 Mcf/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1610 psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)
Second producing formation ___ 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

FEB 14 1983

(Continue on reverse side)

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

11-12-82 Benson- 5080'-5086', 4000# 80-100 SD, 12,000# 20-40 SD, 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
Sandstone & Shale			0	1980	
Limestone (Little & Big Injun)			1980	2115	Gas Check at 2138' 10/10-1"
Big Injun Sandstone			2115	2164	at 2246' 10/10-1"
Sandstone & Shale			2164	2744	at 2467' 10/10-1"
Sandstone (Gordon Stray)			2744	2768	at 2903' 21/10-2"
Sandstone & Shale			2768	3401	at 4208' 38/10-2"
Sandstone (Warren)			3401	3438	at 5143' 38/10-2"
Sandstone & Shale			3438	4510	at 5650' 15/10-2"
Sandstone (Bradford)			4510	4536	
Sandstone & Shale			4536	4772	
Sandstone (Riley)			4772	4790	
Sandstone & Shale			4790	5645	
				TD	

T.D. 5650 alexander @ TD.

(Attach separate sheets as necessary)

Swift Energy Company
Well Operator

By: Virgil N. Swift 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."



FORM IV-2
(Obverse)
(12-81)

Date: October 13, 19 82

Operator's Well No. Johnston #1

API Well No. 47 - 017 3157
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: 1069 Watershed: Lynn Camp Run
District: McClellan County: Doddridge Quadrangle: Salem

WELL OPERATOR SWIFT ENERGY COMPANY DESIGNATED AGENT Tim Bennett
Address P. O. Box 2201 Address 737 Karl St.
Clarksburg, WV 26301 Weston, WV 26452

OIL & GAS ROYALTY OWNER Brooks Cutright, et al COAL OPERATOR
Address Rt. Address
Salem, WV 26426

ACREAGE 35 COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER William Booher Name NONE
Address Rt. 2 Address
Salem, WV 26426

ACREAGE 35 Name
FIELD SALE (IF MADE) TO: Address
Address

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

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 March 12, 19 82, to the undersigned well operator from C. Mutschelknaus
Assigned

(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 Deed Book 124 at page 132. 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 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.

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

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OCT 13 1982
OIL & GAS DIVISION
DEPT. OF MINES
BLANKET BOND

SWIFT ENERGY COMPANY
Well Operator
By Tim Bennett
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, 5200 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 100, 219 feet; salt, 1300 feet.

Approximate coal seam depths: None 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		Kinds	Sizes
Conductor	11 3/4				X	30	30	Circulate		
Fresh Water						250'	250'	C.T.S		
Coal										
Intermediate	8 5/8			X		1800	1800	Circulate		
Production	4 1/2			X		5150	5150	As Required		Depths set
Tubing										
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 6-14-83
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 _____