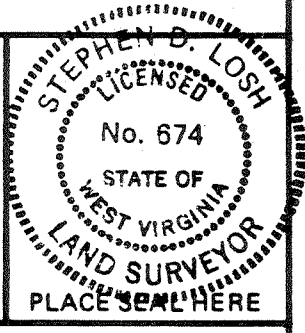


FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION INTER. CO. RTS.  
 10 & 10/5 ELEV. - 1090'

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 APRIL 12, 1982  
 OPERATOR'S WELL NO. CAMP NO. 2  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 3124  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1469' WATER SHED PIKE FORK  
 DISTRICT McCLELLAN COUNTY DODDRIDGE  
 QUADRANGLE FOLSOM 7.5 min. Centerpoint 15' EC  
 SURFACE OWNER JENNINGS CAMP ACREAGE 56.50  
 OIL & GAS ROYALTY OWNER JENNINGS CAMP LEASE ACREAGE 56.50  
 LEASE NO. \_\_\_\_\_  
 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 DEVONIAN SHALE ESTIMATED DEPTH 5400' Smithton-Flint-Sedalia  
 WELL OPERATOR SWIFT ENERGY COMPANY DESIGNATED AGENT TIM BENNETT  
 ADDRESS P.O. BOX 1933 ADDRESS P.O. BOX 1933  
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

AUG 2 1982  
 (99)

RECEIVED



IV-35  
(Rev 8-81)

APR 6 - 1983

Date March 23, 1983

Operator's

Well No. J. Camp #2

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

State of West Virginia

Department of Mines

Oil and Gas Division

Farm

API No. 47 - 017 - 3124

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: 1469 Watershed Pike Fork

District: McClelland County Doddridge Quadrangle Folsom 7 1/2'

COMPANY Swift Energy Company

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

DESIGNATED AGENT Tim Bennett

ADDRESS 737 Karl Street, Weston, WV 26452

SURFACE OWNER Jennings Camp

ADDRESS P.O. Box 235, Shinnston, WV 26431

MINERAL RIGHTS OWNER Jennings Camp

EXCL. Coal

ADDRESS P.O. Box 235, Shinnston, WV 26431

OIL AND GAS INSPECTOR FOR THIS WORK

Steven Casey ADDRESS Rt. 2, Box 232-D Jane WV.

PERMIT ISSUED 7-26-82

DRILLING COMMENCED 9-1-82

DRILLING COMPLETED 9-6-82

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	1722	1722	300
7			
5 1/2			
4 1/2		5957	630
3			
2 3/8		5519'	
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5400 feet

Depth of completed well 5995 feet Rotary X / Cable Tools

Water strata depth: Fresh - feet; Salt - feet

Coal seam depths: 670 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Riley Pay zone depth 4462 feet

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

Final open flow 220 Mcf/d Final open flow - Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1100 psig (surface measurement) after 12 hours shut in  
(If applicable due to multiple completion--)

Second producing formation Benson, Elk(s)\* Pay zone depth 4944 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 Comingled from Formation

APR 11 1983

(Continue on reverse side)

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

10-18-82 - 2nd Elk - 5529-33, - 4,000# 80-100 SD, -12,000# 20-40 SD, 300 BGW, 500 GA 5530  
 Alex 1st Elk - 5446'-60', 5410'-13', 10,000# 80-100 SD, 32,500# 20-40 SD, 500 GA, 500 BGW. 5446  
 Benson - 4993 - 95, 4984-87, 4980-82, 4944-48, 4,000# 80-100 SD, 12,000# 20-40 SD, 500 GA, 500 BGW. 4995  
 Riley - 4474-77, 4462-64, 4,000# 80-100 SD. 4477  
 12,000# 20-40 SD, 500 GA, 300 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
Shale & Sandstone			0	670	
Coal			670	676	
Sandstone & Shale			676	2414	
Big Lime & Sandstone			2414	2606	3800' Gas test no show
Sandstone & Shale			2606	2954	
Sandstone (Gantz)			2954	2980	
Sandstone & Shale			2980	3224	
Sandstone (Gantz)			3224	3284	
Sandstone & Shale			3284	4445	
Sandstone (Balltown)			4445	4487	
Sandstone & Shale			4487	5526	
Sandstone (Benson)			5526	5538	
Sandstone & Shale			5538	5989	
				T.D.	

Brallen @ TD.

5989  
5538  
451

(Attach separate sheets as necessary)

SWIFT ENERGY COMPANY  
 Well Operator  
 By: James M. Kitterman James M. Kitterman-V.P. Drilling & Production  
 Date: March 24, 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 coal, encountered in the drilling of a well."



Date: July 7, 19 82

Operator's Well No. J. Camp No. 2

API Well No. 47 017 3124  
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: 1469' Watershed: Pike Fork  
District: Mc Clellan County: Doddridge Quadrangle: Folsom 7.5 min.

WELL OPERATOR Swift Energy Company DESIGNATED AGENT Tim Bennett  
Address P. O. Box 1933 Address P. O. Box 1933  
Clarksburg, WV 26301 Clarksburg, WV 26301

OIL & GAS ROYALTY OWNER Jennings Camp  
Address P. O. Box 235  
Shinnston, WV 26431

COAL OPERATOR N/A  
Address       

Acreage 56.5

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Jennings Camp  
Address P. O. Box 235  
Shinnston, WV 26431  
Acreage 56.5

Name Virginia A. Tetrick  
Address c/o Willis G. Tetrick, Jr.  
Union National Center  
Clarksburg, WV 26301  
Name         
Address       

FIELD SALE (IF MADE) TO:  
Address       

COAL LESSEE WITH DECLARATION ON RECORD:

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Seven Casey  
Address Rt. 2, Box 232-D  
Jane Lew, WV 26378

Name Consolidated Coal Company  
Address Pittsburgh, PA

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 October 15, 19 81, to the undersigned well operator from Eastern Energy  
Resources         
(If said deed, lease, or other contract has been recorded:)

Recorded on December 21, 19 81, in the office of the Clerk of the County Commission of Doddridge County, West  
Va., in Lease Book 123 at page 01. 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 COMMISS-  
SION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

**RECEIVED**

JUL 23 1982

OIL & GAS DIVISION  
DEPT. OF MINES

By Swift Energy Company  
Tim Bennett  
Well Operator  
Designated Agent

**BLANKET BOND**

PROPOSED WORK ORDER

(12-81)

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, Devonian Shale

Estimated depth of completed well, 5400 feet Rotary x / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, 1880 feet; salt, - feet.

Approximate coal seam depths: 570, 840, 1100, Is coal being mined in the area? Yes \_\_\_\_\_ / No x /  
1825

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	11 <sup>3</sup> / <sub>4</sub>				x	30			Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 <sup>5</sup> / <sub>8</sub>	J-55		x			1930	To Surface	
Production	4 1/2	J-55		x			5400	550 Sks.	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 3-26-83

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 agent for Owners x / 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: 8 July, 1988 By Wallis G. Tetrick Jr.  
is Agent.