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(REV 8-81)

APR 6 - 1983

OIL AND GAS DIVISION  
WEST VIRGINIA DEPARTMENT OF MINES

State of West Virginia

Department of Mines

Oil and Gas Division

Date March 23, 1983

Operator's

Well No. Stewart # 1

Farm

API No. 47 - 017 - 3192

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 941 Watershed Indian Fork

District: New Milton County Doddridge Quadrangle New Milton 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 J.L. Stewart

ADDRESS Rt. 2, Box 609 A, Clarksburg, WV 26301

MINERAL RIGHTS OWNER Randall P. Stewart

ADDRESS 205 Murray St., Clarksburg, WV 26301

OIL AND GAS INSPECTOR FOR THIS WORK

Stephen Casey ADDRESS Jane Lew, WV. 26378

PERMIT ISSUED 12-3-82

DRILLING COMMENCED 12-14-82

DRILLING COMPLETED 12-18-82

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

GEOLOGICAL TARGET FORMATION Benson Depth 5100 feet

Depth of completed well 5497 feet Rotary X / Cable Tools

Water strata depth: Fresh - feet; Salt - feet

Coal seam depths: 35,564 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Riley/Benson Pay zone depth 4774 feet

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

Final open flow 381 Mcf/d Final open flow - Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1500 psig (surface measurement) after 12 hours shut in

(If applicable due to multiple completion--)

Second producing formation Alexander\*

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 Formations

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(Continue on reverse side)

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	1794	1794	405
7			
5 1/2			
4 1/2		5362	150
3			
2		5201	
Liners used			

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

1-11-82 Alexander - 5204' - 5208', 5214' - 5216', 10,000# 80-100 SD,  
 32,500# 20-40 SD, 20,000 SCF N<sub>2</sub>, 500 GA, 400 BW.  
 Benson - 4903' - 4907', 4,000# 80-100SD, 12,000# 20-40 SD,  
 20,000 SCF N<sub>2</sub>, 500 GA, 400 BW.  
 Riley - 4774' - 4782', 10,000# 80-100 SD, 32,500# 20-40 SD,  
 20,000 SCF N<sub>2</sub>, 500 GA, 400 BW.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Shale			0	35	Including indication of all fresh and salt water, coal, oil and gas
Coal			35	38	At 80' Water-1 1/2" stream
Sandstone & Shale			38	564	Gas check at 2168' 50/10-1/2" Water
Coal			564	567	Gas check at 2324' 40/10-1/2" Water
Sandstone & Shale			567	1948	Gas Check at 3405' 40/10-1/2" Water
Limestone (Little & Big Lime)			1948	2050	Gas check at 5007' 40/10-1/2" Water
Big Ingun Sandstone			2050	2129	
Shale			2129	2414	
Sandstone (Gantz)			2414	2448	
Sandstone & Shale			2448	4902	
Benson Sandstone			4902	4937	
Sandstone & Shale			4937	5497	
					OK @ TD T.D.

(Attach separate sheets as necessary)

SWIFT ENERGY COMPANY  
 Well Operator  
 By: *[Signature]*  
 Date: March 24, 1983  
 M. Kitterman-V.P.-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 well, encountered in the drilling of a well."



1) Date: \_\_\_\_\_, 19\_\_\_\_  
2) Operator's Well No. \_\_\_\_\_  
3) API Well No. \_\_\_\_\_ State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_



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 \_\_\_\_\_)  
Underground storage \_\_\_\_\_ Deep \_\_\_\_\_ Shallow \_\_\_\_\_

5) LOCATION: Elevation: \_\_\_\_\_ Watershed: \_\_\_\_\_  
District: \_\_\_\_\_ County: \_\_\_\_\_ Quadrangle: \_\_\_\_\_

6) WELL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

7) OIL & GAS ROYALTY OWNER \_\_\_\_\_  
Address \_\_\_\_\_

8) SURFACE OWNER \_\_\_\_\_  
Address \_\_\_\_\_

9) FIELD SALE (IF MADE) TO: \_\_\_\_\_  
Address \_\_\_\_\_

10) OIL & GAS INSPECTOR TO BE NOTIFIED \_\_\_\_\_  
Name \_\_\_\_\_ Address \_\_\_\_\_

11) DESIGNATED AGENT \_\_\_\_\_  
Name \_\_\_\_\_ Address \_\_\_\_\_

12) COAL OPERATOR \_\_\_\_\_  
Name \_\_\_\_\_ Address \_\_\_\_\_

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

14) COAL LESSEE WITH DECLARATION ON RECORD: \_\_\_\_\_  
Name \_\_\_\_\_ Address \_\_\_\_\_

15) PROPOSED WORK: Drill \_\_\_\_\_ Drill deeper \_\_\_\_\_ Redrill \_\_\_\_\_ Fracture or stimulate \_\_\_\_\_  
Plug off old formation \_\_\_\_\_ Perforate new formation \_\_\_\_\_  
Other physical change in well (specify) \_\_\_\_\_

16) GEOLOGICAL TARGET FORMATION, \_\_\_\_\_ feet  
17) Estimated depth of completed well, \_\_\_\_\_ feet;  
18) Approximate water strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
19) Approximate coal seam depths: \_\_\_\_\_ 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.	For drilling	Left in well		
Conductor	1 1/2"						
Fresh water							
Coal	8 5/8"			1800			
Intermediate	4 1/2"			5100			
Production							
Tubing							
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.)  
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 \_\_\_\_\_ 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 \_\_\_\_\_ unless drilling is commenced prior to that date and prosecuted with due diligence.  
Bond: \_\_\_\_\_ 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 §22-4-1k
- 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 \_\_\_\_\_