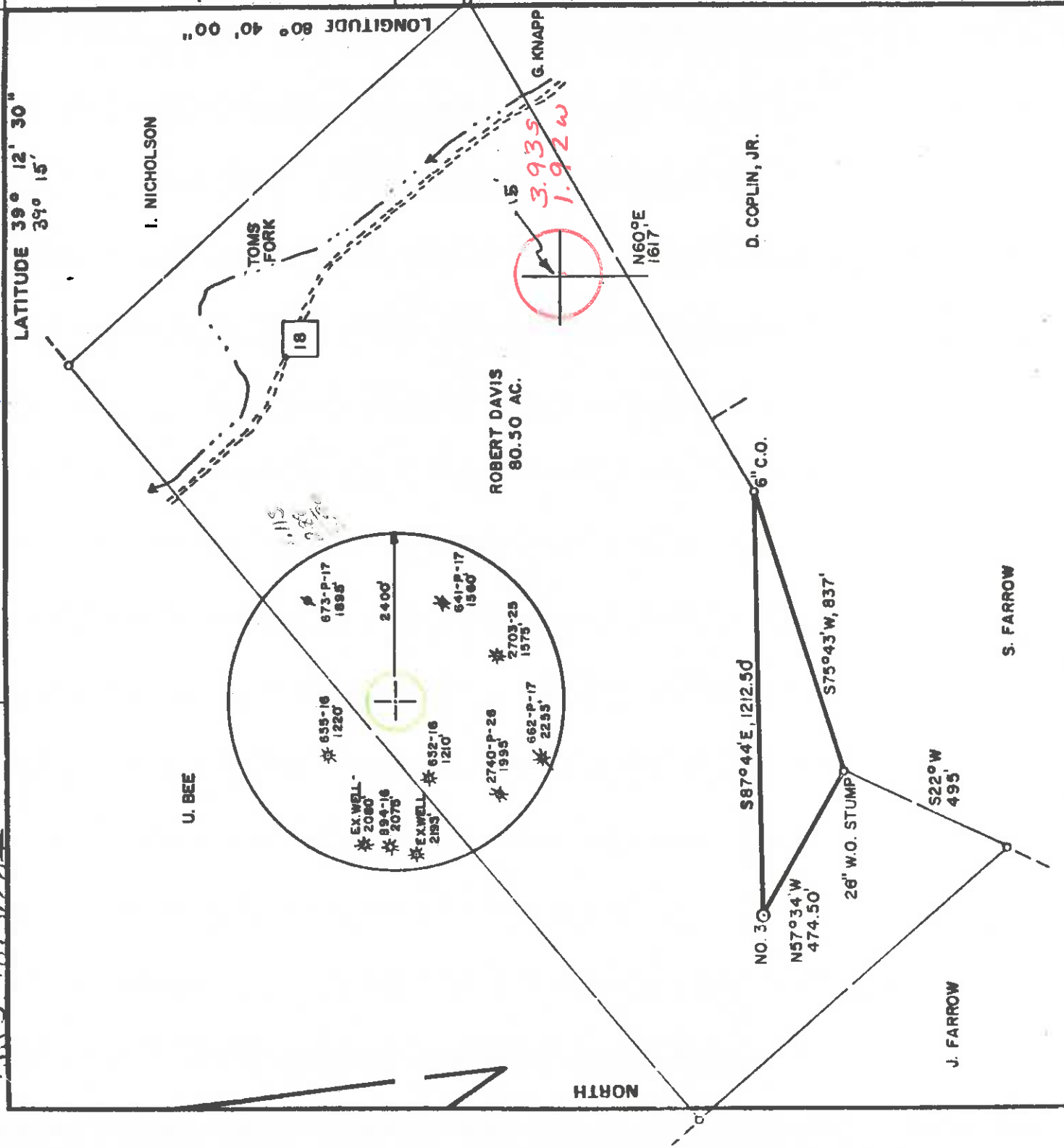


11/13/82 Plot. Capt. CSD

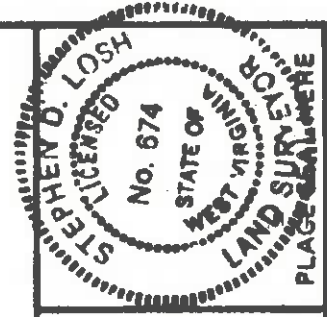
3900'

LATITUDE 39° 12' 30"
39° 15'
LONGITUDE 80° 40' 00"
5610'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION RD. INTER. _____
 ELEV. 859'

PREPARED BY DAVIS ASSOCIATES, CLARKSBURG, WV
 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 SEPTEMBER 30, 19 82
 OPERATOR'S WELL NO. DAVIS NO. 3
 API WELL NO. 47-017 STATE VA COUNTY WV PERMIT 3177

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1144 WATER SHED TOM'S FORK

DISTRICT NEW MILTON COUNTY DODDRIIDGE
 QUADRANGLE NEW MILTON 7.5 min. VADIS 15' NW ACREAGE 74.76
 SURFACE OWNER VACLAV HARTMAN, et. al. LEASE ACREAGE 80.50
 OIL & GAS ROYALTY OWNER ROBERT DAVIS

LEASE NO. 49-0280 A-C
 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 ALEXANDER ESTIMATED DEPTH 5500'
NOV 8 1982
6-6 Restoration from well (134)
(134)

RECEIVED



MAR 14 1983

IV-35
(Rev 8-81)

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Date January 27, 1983
Operator's Well No. R. Davis "A" #3
Farm
API No. 47 - 017 - 3177

State of West Virginia

Department of Mines

Oil and Gas Division

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1144' Watershed Tom's 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 Vaclav Hartman
ADDRESS 28-28 42nd St., New Milton, WV 26301
MINERAL RIGHTS OWNER Robert Davis
ADDRESS Rt. 1, Box 41, New Milton, WV 26301

OIL AND GAS INSPECTOR FOR THIS WORK
Steve Casey ADDRESS Jane Lew, WV

PERMIT ISSUED 11-01-82

DRILLING COMMENCED 11-16-82

DRILLING COMPLETED 11-22-82

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

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	1991	1991	
7			
5 1/2			
4 1/2		5651	205
3			
2 3/8"		5506	
Liners used			

GEOLOGICAL TARGET FORMATION Alexander

Depth of completed well 5691 feet Rotary XX / Cable Tools Depth feet

Water strata depth: Fresh 90 feet; Salt 1500 feet

Coal seam depths: none Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Benson *seeback* Pay zone depth 5194 feet

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

Final open flow 762 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1750 psig (surface measurement) after 12 hours shut in

(If applicable due to multiple completion--)

Second producing formation Alexander * Pay zone depth 5490 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 formations

MAR 21 1983 (Continue on reverse side)

0000 - 3177

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

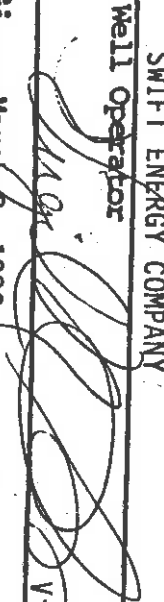
1-4-83 Alexander - 5490-5496, 5507-5513, 10,000# 80-100 SD, 32,500# 20-40 SD, 20,000 SCF N₂, 500 GA, 100 BW.
 Benson - 5194-5199, 10,000# 80-100 SD, 32,500# 20-40 SD, 20,000 SCF N₂, 500 GA, 95 BW.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale			0	705	Gas check at 1912'
Sandstone & Shale			705	2140	" 2096' no show
Limestone (Little & Big Lime)			2140	2279	" 2220' no show
Sandstone (Big Injun)			2279	2378	" 2433' no show
Shale & Sandstone			2378	2705	" 2558' no show
Gantz Sandstone			2705	2731	" 2806' no show
Sandstone & Shale			2731	2904	" 3483' no show
Sandstone (Gordon Stray)			2904	2925	" 4005' no show
Shale & Sandstone			2925	3072	" 4526' no show
Sandstone (Fifth)			3072	3101	" 5044' no show
Shale			3101	3549	" 5691'
Sandstone (Warren)			3101	3549	
Sandstone & Shale			3549	3586	
Sand (Benson)			3586	5193	
Sandstone & Shale			5193	5226	
			5226	5691 TD	

CUK@TD

(Attach separate sheets as necessary)

SWIFT ENERGY COMPANY
 Well Operator
 By: 
 Date: March 8, 1983
 Virgil M. Swift

Notes: 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."



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

1) Date: _____ 19____
2) Operator's Well No. DAVIS 03
3) API Well No. 47 State _____ County _____ Permit _____

DRILLING CONTRACTOR:
Unknown

OIL AND GAS WELL PERMIT APPLICATION

4) WELL TYPE: A Oil _____ Gas Production _____
B (If "Gas", Production _____) Underground storage _____ Tom's Park _____ Deep _____ Shallow

5) LOCATION: Elevation: _____ Watershed: Unshaded
District: New Market County: Wayne Quadrange: New Market

6) WELL OPERATOR: SWIFT ENERGY COMPANY
Address: P.O. Box 2201
Charleston, WV 25301

7) OIL & GAS ROYALTY OWNER: Robert Davis
Address: 20 S. 2nd St.
Waynesboro, WV 26041

8) SURFACE OWNER: None
Address: None

9) FIELD SALE (IF MADE) TO: N/A
Address: _____

10) OIL & GAS INSPECTOR TO BE NOTIFIED: John Casey
Name: _____ Address: _____
John Casey
John Casey, WV

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: ALLEGANY
17) Estimated depth of completed well, _____ feet
18) Approximate water strata depths: Fresh, None feet; salt, 1500 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.	New	Used		
Conductor	10 3/4					30	
Fresh water							
Coal							
Intermediate	8 1/2					1300	
Production						5400	
Tubing							
Liners							

21) EXTRACTION RIGHTS
Check and provide one of the following:
 Included in 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

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: _____ Designated Agent
My Commission Expires _____ Its: _____

OFFICE USE ONLY
DRILLING PERMIT

Permit number: 17500-517 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 _____