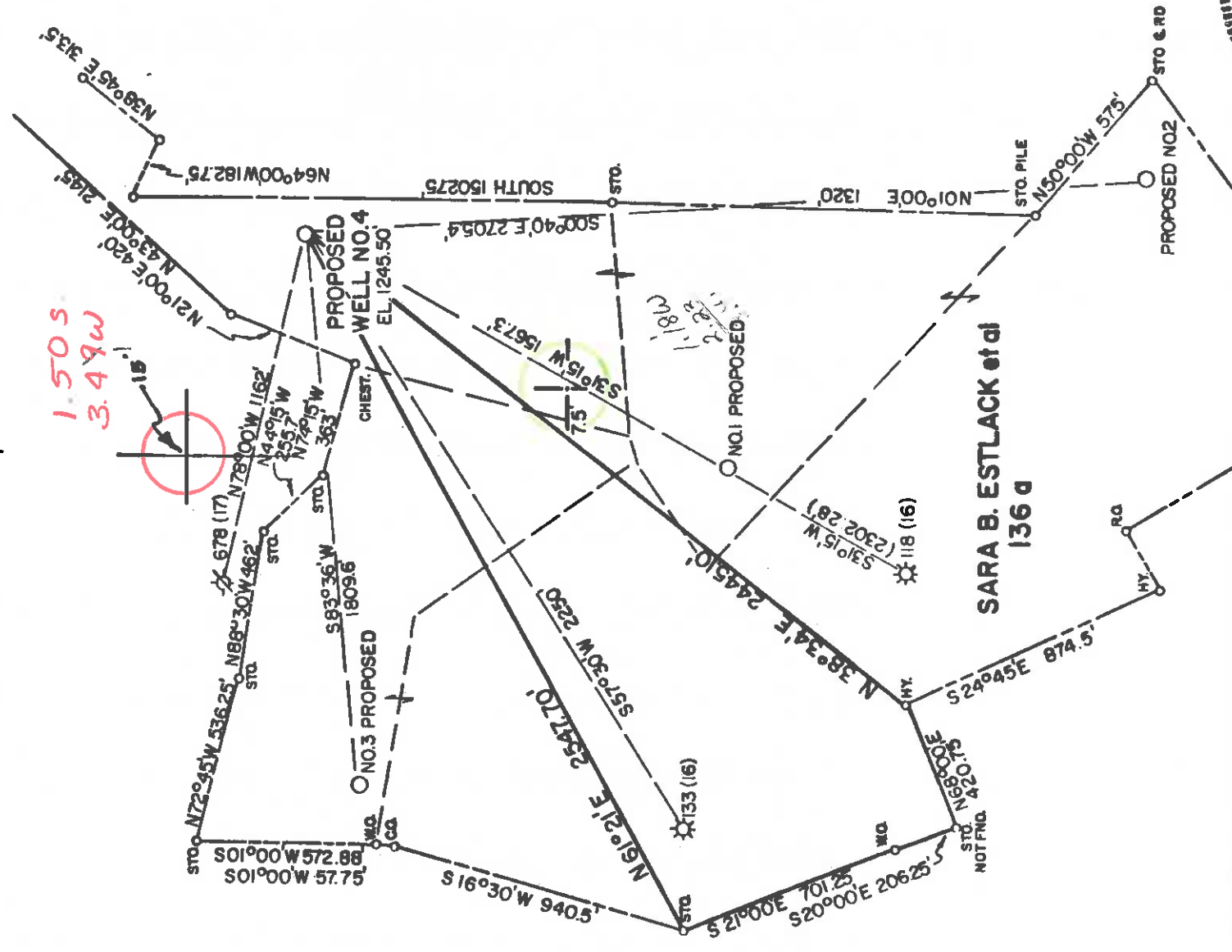


MS. 10/31/82 Plot. Card. CSD.

LATITUDE 39°25'00"

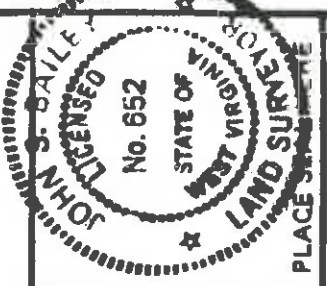
LONGITUDE 80°32'30"



FILE NO. MSES 86
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200'
 PROVEN SOURCE OF ELEVATION RD. INT. RT. 10 &
 PRIVATE ROAD ELEV. 912.00

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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) John S. Bailey
 R.P.E. L.S. 652



DATE AUGUST 2 19 82
 OPERATOR'S WELL NO. S. ESTLACK 4
 API WELL NO. _____



47-017-3173
 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 _____ DEEP _____ SHALLOW X
 LOCATION: ELEVATION 1245.50 WATER SHED PIKE FORK
 DISTRICT McCLELLAN COUNTY DODDRIDGE
 QUADRANGLE FOLSOM 7.5 (1976) Centerpoint 151 EC
 SURFACE OWNER RICHARD M. BETHELL BURDETTE ACREAGE 144.625
 OIL & GAS ROYALTY OWNER SARA B. ESTLACK LEASE ACREAGE 136

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/ELK ESTIMATED DEPTH 5600
 WELL OPERATOR SWIFT ENERGY DESIGNATED AGENT TIM RENNETT

NOV 8 1982

DRILLER'S RECORD

Previously Requested, but NOT
AVAILABLE

DATE: _____

017 COUNTY 3173 PERMIT



1) Date: October 26, 1987
2) Operator's Well No. 3, Patrick #1
3) API Well No. 47 State CVT County 5173 Permit

DRILLING CONTRACTOR: Unknown
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION

4) WELL TYPE: A Oil Gas
B (If "Gas", Production Underground storage Deep Shallow
5) LOCATION: Elevation: 1500 Watershed: File Park
District: Longfellow County: Putnam Quadrangle: Putnam
6) WELL OPERATOR WVA Energy Co. Address P.O. Box 250
7) OIL & GAS ROYALTY OWNER Sigm. B. Entlack, et al. Address Wallace, WV 26480
8) SURFACE OWNER ALBERTA ENERGY Address 238 Gold Mine Rd.
9) FIELD SALE (IF MADE) TO: 144-653 Address Putnam, WV 26424

10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name John D. ... Address ...
11) DESIGNATED AGENT 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, 2500 feet
18) Approximate water strata depths: Fresh, 16 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.	Left in well	Right in well		
Conductor	4 1/2"	A	12.5	30	30		
Fresh water							
Coal	4 1/2"	A	12.5	2500	2500		
Intermediate							
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: _____ Its: _____
My Commission Expires _____

Permit number 67-077-310 OFFICE USE ONLY
DRILLING PERMIT Date 19

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 ... Fee ...
Signature: Fred B. ...
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 _____

39.25.00
 W VA DODDRIDG 7825 S 6125 W
 SWIFT ENERGY
 1246GR
 MCCLELLAN
 4
 80.32.30
 SPUD 11/08/1982 COMP 09/08/1983 ROTARY
 PROJ DEPTH 5600 ELK
 DTD 5475
 MAP QUAD FOLSON 7.5
 SWIFT ENERGY
 BOX 2201
 CLARKSBURG, WV 26301
 FIELD NAME-SMITHON-FLINT-SEDALIA
 SURFACE RICHARD M & ETHEL L BURDETTE
 LOC/1982/
 5475 TD, SI
 5475 TD, OPERATIONS SUSPENDED
 CT WILL BE REISSUED WHEN ADDITIONAL DATA
 IS AVAILABLE

11/08
09/08

09/14/83
47
5

P
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