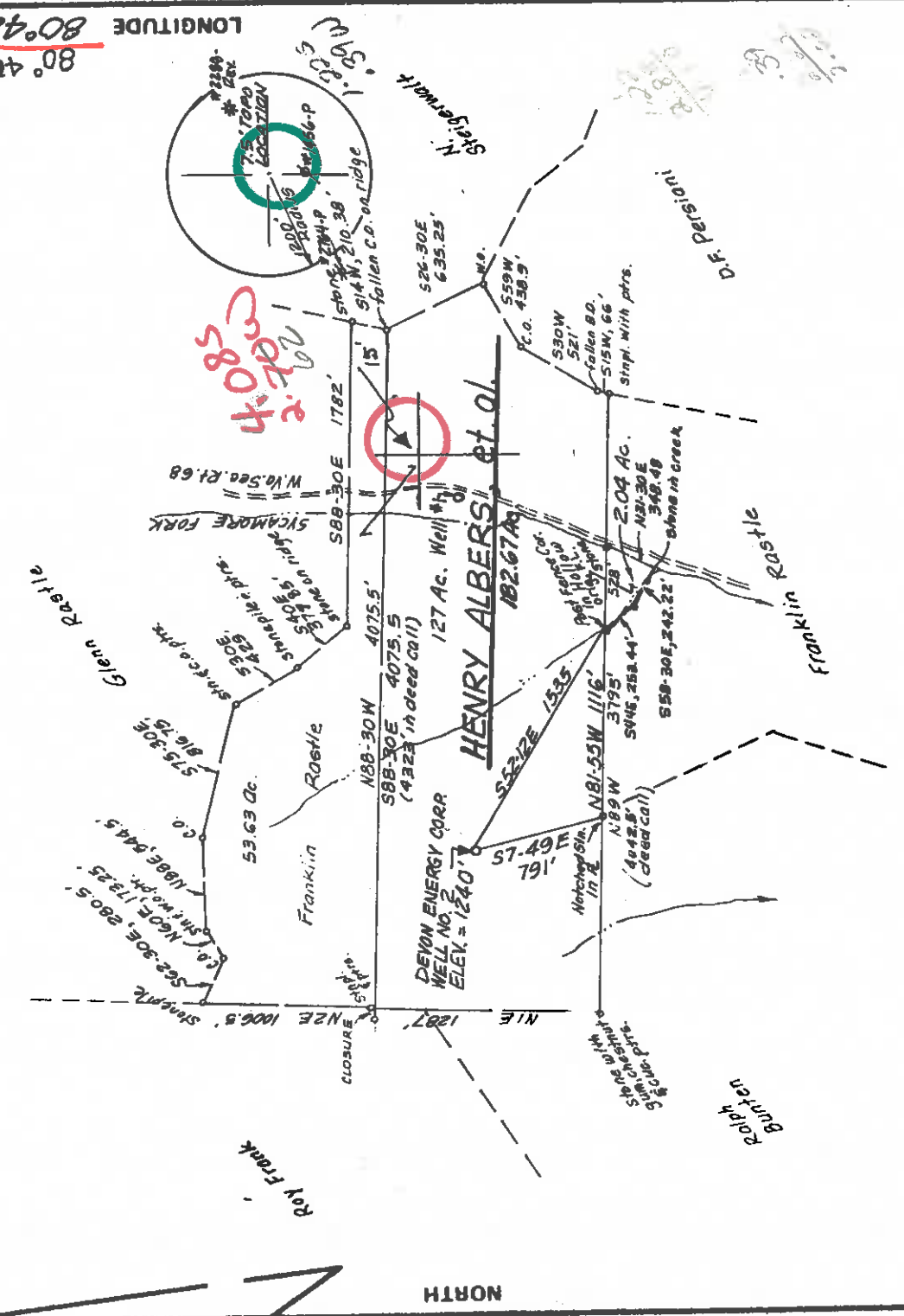


10/19/82 Plot card OSD

LATITUDE 39°07'30" 39° 10'

LONGITUDE 80°42'30" 80° 48' 6400'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF _____
 ACCURACY 1/200
 PROVEN SOURCE OF _____
 ELEVATION I.C.T. SDS. 3500' ± SE
 OF LOCATION, ELEV = 850'

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. Mark C. Echard
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE SEPT. 24, 19 82
 OPERATOR'S WELL NO. 2323 SCHMIDT
 API WELL NO. 47-017-3161
 STATE _____ COUNTY _____ PERMIT _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS," PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1240' WATER SHED SYCAMORE FORK
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE VADIS 7.5' ASL ACRES 182.67
 SURFACE OWNER FRANKLIN RASTLE
 OIL & GAS ROYALTY OWNER HENRY ALBERS, et al. LEASE ACRES 182.67

LEASE NO. _____
 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 BIG INJUN ESTIMATED DEPTH 2400' 6-6 Conings (142)
 WELL OPERATOR DEVON ENERGY CORP. DESIGNATED AGENT MR. ART YOUSE
 ADDRESS P.O. BOX 1433-1207 QUARRIER ST. ADDRESS P.O. BOX 1433-1207 QUARRIER ST.
CHARLESTON, W. VA. 25325 CHARLESTON, W. VA. 25325

OCT 18 1982



RECEIVED

IV-35
(Rev 8-81)

OCT 24 1983

Date January 11, 1983
Operator's Well No. #2323
Farm I.R. Schmidt #2
API No. 47 - 017 - 3161

State of West Virginia
OIL & GAS DIVISION
DEPT. OF MINES Department of Mines
Oil and Gas Division

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: 1240 Watershed Sycamore Fork
District: Cove County Doddridge Quadrangle Vadis

COMPANY Devon Energy Corporation
ADDRESS Box 1433, Charleston, WV 25325
DESIGNATED AGENT Arthur C. Youse
ADDRESS Box 1433, Charleston, WV 25325
SURFACE OWNER Franklin Rastle
ADDRESS Troy, WV 26443
MINERAL RIGHTS OWNER John Albers, Agent
ADDRESS Box 405, Kildare, OK 76642
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey ADDRESS Jane Lew, WV
PERMIT ISSUED October 12, 1982
DRILLING COMMENCED December 5, 1982
DRILLING COMPLETED December 8, 1982
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

| Casing Tubing Size | Used in Drilling in Well | Left in Well | Cement fill up Cu. ft. |
|--------------------|--------------------------|--------------|------------------------|
| 20-16 Cond. | | | |
| 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 1156 | 1156 | To Surface |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 2474 | 200 sax |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Injun Sand Depth 2400 feet

Depth of completed well 2505 feet Rotary X / Cable Tools

Water strata depth: Fresh feet; Salt feet

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

OPEN FLOW DATA

Producing formation Injun Sand Pay zone depth 2318-2332 feet

Gas: Initial open flow 200 Mcf/d Oil: Initial open flow Bbl/d

Final open flow 2.7 MCFD Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 600 psig (surface measurement) after 40 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

(continued on reverse side)

FOR 2700 MCF

NOV 07 1983

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

Perforated 4 1/2" casing 2318' to 2332' with 28 shots.
Fractured Injun Sand 12/22/82 with 60,000# sand, 662 BHLS. water and 145,000 SCF Nitrogen.

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|-----------------|-------|--------------|----------|-------------|---|
| Soil | | | 0 | 11 | Including indication of all fresh and salt water, coal, oil and gas |
| Shale | | | 11 | 106 | |
| Sand | | | 106 | 111 | |
| Shale | | | 111 | 624 | |
| Sand | | | 624 | 647 | |
| Shale | | | 647 | 688 | |
| Sand | | | 688 | 716 | |
| Shale | | | 716 | 842 | |
| Sand | | | 842 | 880 | |
| Shale | | | 880 | 940 | |
| Sand | | | 940 | 952 | |
| Shale | | | 952 | 1070 | |
| Sand | | | 1070 | 1108 | |
| Shale | | | 1108 | 1302 | |
| Sand | | | 1302 | 1332 | |
| Shale | | | 1332 | 1414 | |
| Sand | | | 1414 | 1448 | |
| Shale | | | 1448 | 1554 | |
| Sand | | | 1554 | 1574 | |
| Shale | | | 1574 | 1618 | |
| Sand | | | 1618 | 1672 | |
| Shale | | | 1672 | 1813 | |
| Sand | | | 1813 | 1868 | |
| Shale | | | 1868 | 1978 | |
| Sand | | | 1978 | 2022 | |
| Shale | | | 2022 | 2174 | |
| Little Lime | | | 2174 | 2203 | |
| Blue Monday | | | 2203 | 2224 | |
| Pencil Cave | | | 2224 | 2236 | |
| Big Lime | | | 2236 | 2300 | |
| Injun Sand | | | 2300 | 2385 | |
| Shale | | | 2385 | 2505 | |
| Log Total Depth | | | | <u>2505</u> | |

(Attach separate sheets as necessary)

Devon Energy Corporation
Well Operator
By: Neil Stover
Date: January 11, 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 ... encountered in the drilling of a well."

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 _____