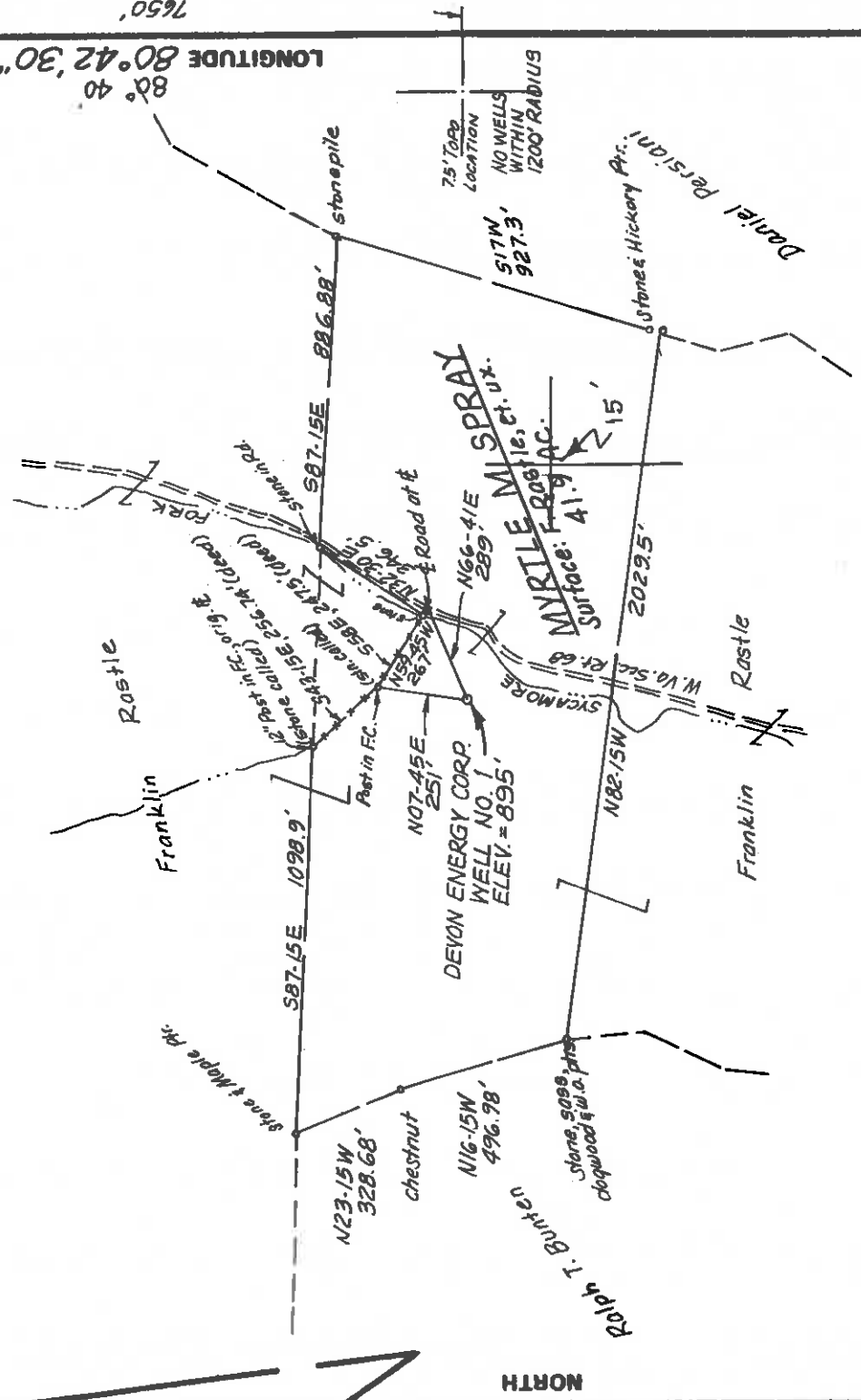


117-A, 10/14/99 Plot - Card - ASD

LATITUDE 39°07'30"
39° 10'

LONGITUDE 80°42'30"
80° 40'



NORTH

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JCT. RDS. 2200' ± SW 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.
 (SIGNED) Mark C. Echard
 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 OCTOBER 4, 1982
 OPERATOR'S WELL NO. 2324
 API WELL NO. SPRAY#1
47-017-3162
 STATE COUNTY PERMIT
 Canceled

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 825 WATER SHED SYCAMORE FORK
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE VADIS
 SURFACE OWNER FRANKLIN RASTLE, et al. ACREAGE 41.9
 OIL & GAS ROYALTY OWNER MYRTLE M. SPRAY LEASE ACREAGE 41.9
 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 LAMUN ESTIMATED DEPTH 2075
 WELL OPERATOR DEVON ENERGY CORP. DESIGNATED AGENT MR. ART YOUSE
 ADDRESS P.O. BOX 1433-1207 QUARRIER ST. CHARLESTON, W.VA. 25325

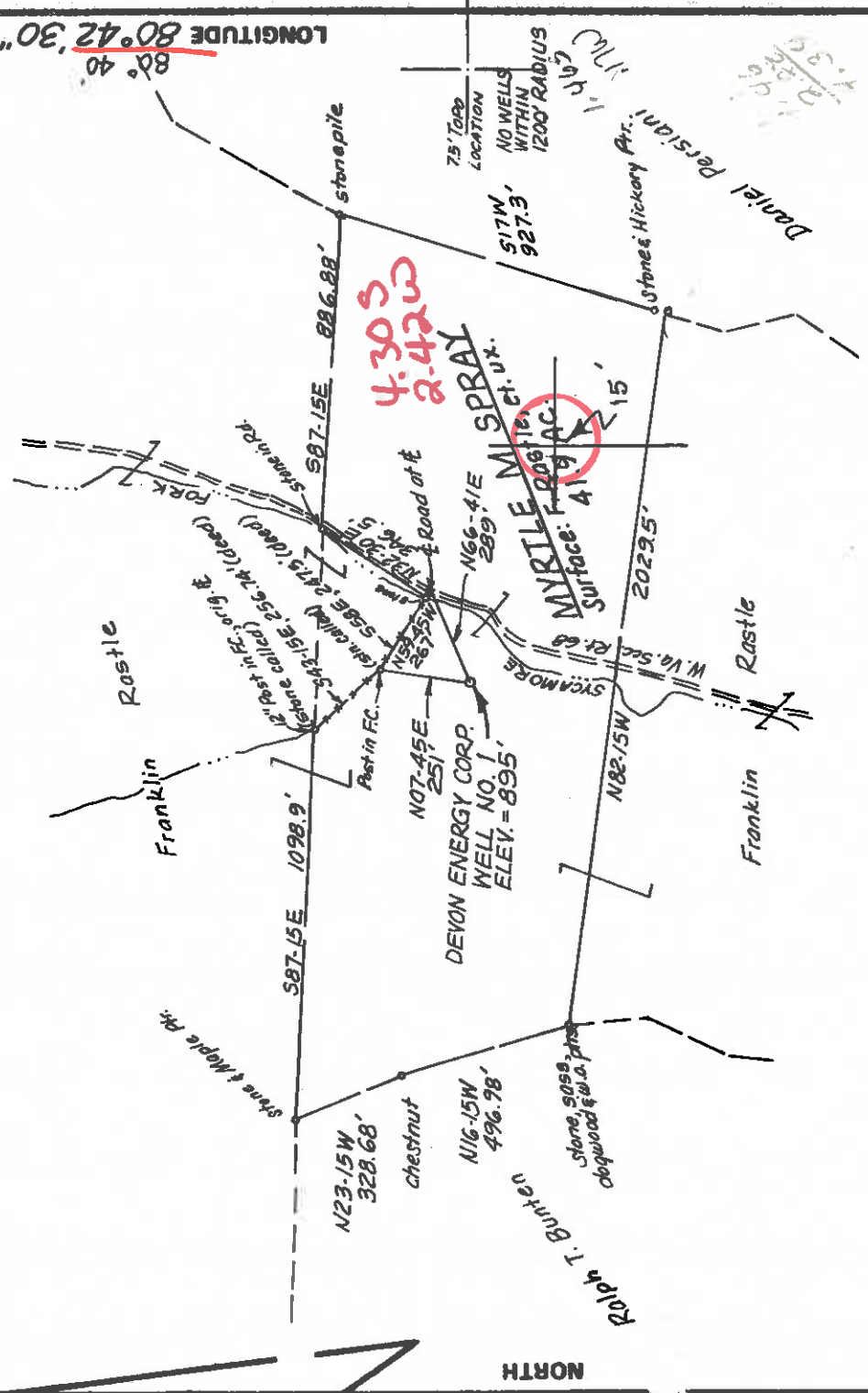
TRASCO

117.7. 10/14/82

Plot Cam. CSO

LATITUDE 39°07'30" 39° 10'

LONGITUDE 80°42'30" 80° 40' 7650'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JCT. RDS. 2200' ± SW 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) _____
 R.P.E. _____ L.I.S. 490

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



PLACE SEAL HERE
 DATE OCTOBER 4 19 82
 OPERATOR'S WELL NO. 2324
 API WELL NO. SPRAY#1
47-017 - 3162
 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 895 WATER SHED SYCAMORE FORK
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE VADIS
 SURFACE OWNER FRANKLIN RASTLE, et. ux. ACREAGE 41.9
 OIL & GAS ROYALTY OWNER MYRTLE M. SPRAY LEASE ACREAGE 41.9

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 HAVEN ESTIMATED DEPTH 2075 2075'
 WELL OPERATOR DEVON ENERGY CORP DESIGNATED AGENT MR. ART YOUSE
 ADDRESS P.O. BOX 1433-1207 QUARRIER ST. CHARLESTON, W.VA. 25325

6-6 Conings (142)

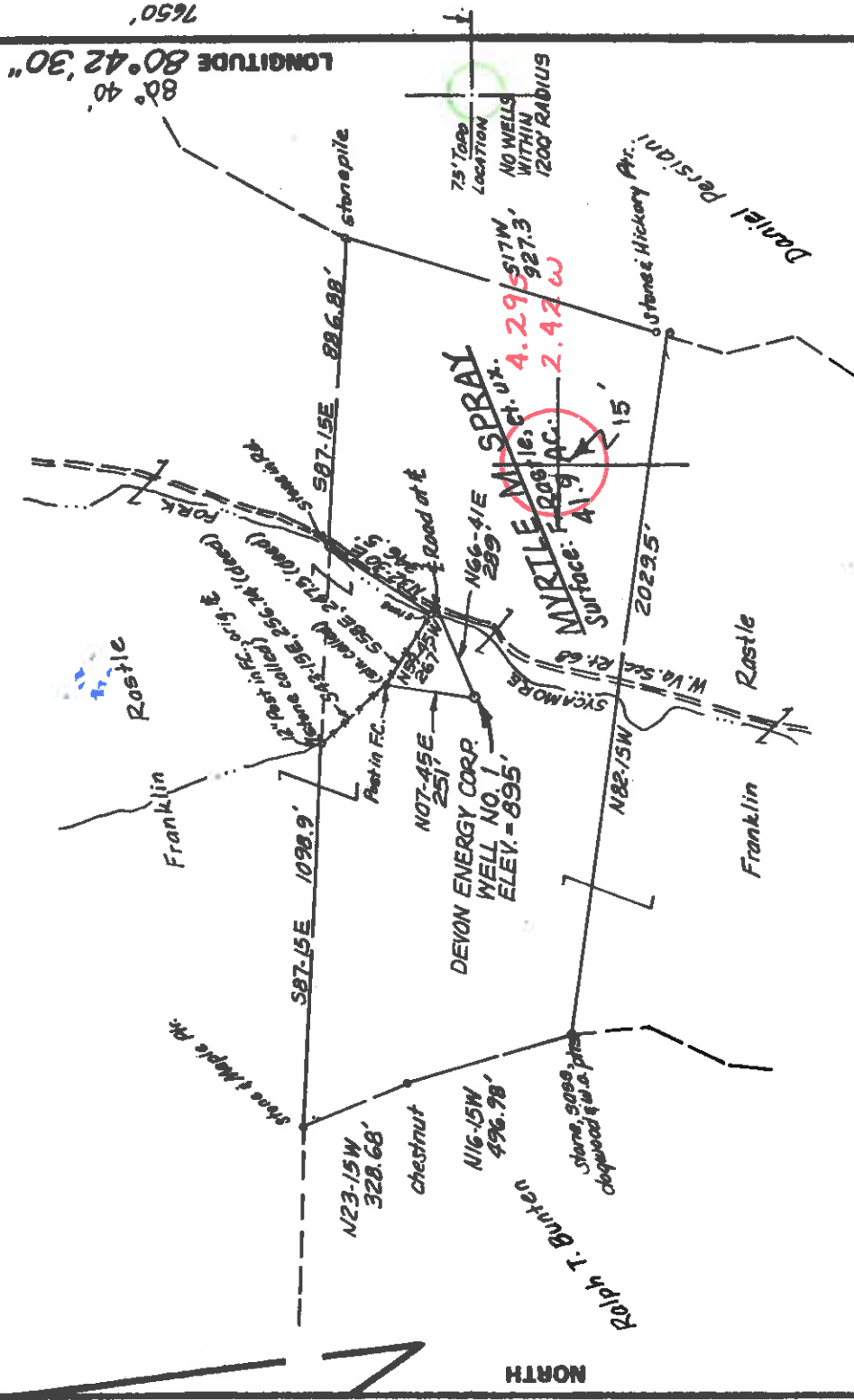
TRASCO

Plot Card CSD

11/2. 10/14/82

LATITUDE 39° 07' 30"
39° 10'

LONGITUDE 80° 42' 30"
80° 40'



NORTH

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION: JCT. RDS. 2200' SW
 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.I.S. 490

PLACE SEAL HERE

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



DATE OCTOBER 4 1982
 OPERATOR'S WELL NO. 33224
 API WELL NO. SPRAY01
47-017 STATE COUNTY PERMIT
3162

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Cancelled
 REINSTATED

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 895 WATER SHED SYCAMORE FORK
 DISTRICT COVE COUNTY DODDGE
 QUADRANGLE VADIS 7 1/2 x 15 1/2 W.C.

SURFACE OWNER FRANKLIN RASILE, et al. ACREAGE 41.9
 OIL & GAS ROYALTY OWNER MYRTLE M. SPRAY LEASE ACREAGE 41.9

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

NOV 15 1982

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BIG HULLIN ESTIMATED DEPTH 2075 2075
 WELL OPERATOR DEVON ENERGY CORP DESIGNATED AGENT MR. ART YOUSE
 ADDRESS P.O. BOX 1433-1207 QUARRIER ST. ADDRESS CHARLESTON, W.VA. 25325

Dodd - 3162

RECEIVED

OCT 24 1983

Date January 13, 1983
 Operator's Well No. #2324
 Farm Spray #1
 API No. 47 - 017 - 3162

State of West Virginia
 Department of Mines
 Oil and Gas Division
DEPT. OF MINES

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: 895 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 Myrtle M. Spray
 ADDRESS Rt. 1, Granville, Ohio

OIL AND GAS INSPECTOR FOR THIS WORK Stephen

Casey ADDRESS Jane Lew, WV
 PERMIT ISSUED October 14, 1982
 DRILLING COMMENCED December 22, 1982
 DRILLING COMPLETED December 28, 1982

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	849	849	To Surface
7			
5 1/2			
4 1/2	2063	2063	200 sax
3			
XXI 1/2"		1971	
Liners used			

GEOLOGICAL TARGET FORMATION Injun Sand Depth 2075 feet

Depth of completed well 2075 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 1952-1960 feet
 Gas: Initial open flow Show Mcf/d Oil: Initial open flow --- Bbl/d
 Final open flow 231 Mcf/d Final open flow --- Bbl/d

Time of open flow between initial and final tests 4 hours
 Static rock pressure 730 psig (surface measurement) after 48 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

NOV 07 1983

(Continue on reverse side)

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

Perforated 4 1/2" casing 1952' to 1960' with 17 shots.

Fractured Injun Sand 1/4/83 using 50,000# sand, 576 BLS. water and 154,000 SCF Nitrogen.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Soil			0	14	
Shale			14	98	
Sand			98	129	
Shale			129	239	
Sand			239	298	
Shale			298	474	
Sand			474	502	
Shale			502	566	
Sand			566	588	
Shale			588	696	
Sand			696	756	
Shale			756	812	
Sand			812	840	
Shale			840	1196	
Sand			1196	1208	
Shale			1208	1260	
Sand			1260	1322	
Shale			1322	1464	
Sand			1464	1496	
Shale			1496	1600	
Sand			1600	1661	
Shale			1661	1794	
Little Lime			1794	1816	
Blue Monday			1816	1844	
Pencil Cave			1844	1856	
Big Lime			1856	1922	
Injun Sand			1922	2002	
Shale			2002	2075	
Log Total Depth				2075	

(Attach separate sheets as necessary)

Devon Energy Corporation
Well Operator

By:

[Signature]

Date: January 13, 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."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION

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

DRILLING CONTRACTOR: _____

4) WELL TYPE: A Oil _____ Gas _____
B (If "Gas", Production _____
5) LOCATION: Elevation: _____
District: _____
Underground storage _____ Deep _____ Shallow _____
Watershed: _____
County: _____ Quadrangle: _____

6) WELL OPERATOR _____
Address _____
11) DESIGNATED AGENT _____
Address _____

7) OIL & GAS ROYALTY OWNER _____
Address _____
12) COAL OPERATOR _____
Address _____

8) SURFACE OWNER _____
Address _____
13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____ Address _____
Name _____ Address _____
Name _____ Address _____

9) FIELD SALE (IF MADE) TO: _____
Address _____
14) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____ Address _____
Name _____ Address _____
Name _____ Address _____

10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name _____ Address _____
Address _____
OCT 12 1982
OIL & GAS DIVISION

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.	New	Used		
Conductor	18-3/8		20	X		930	
Fresh water							
Coal							
Intermediate							
Production	10-3/8		13.5	X		2075	
Tubing	8-7/8		13.5	X		2075	
Liners							
							Perforations: Top _____ Bottom _____

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 22-4-1(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 22-4-1(d) and 22-4-1(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 _____