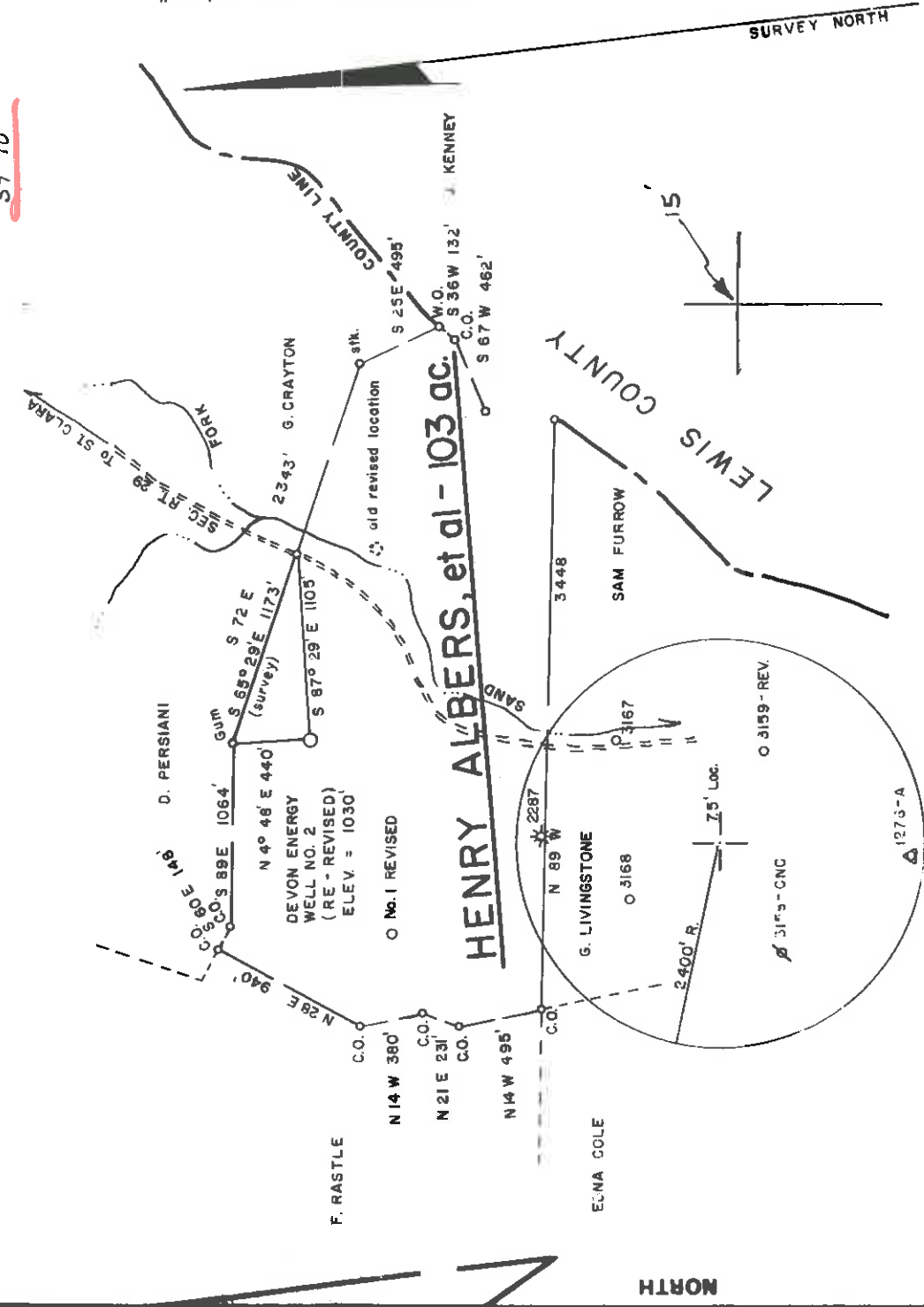


LATITUDE 39° 07' 30"
39° 10'

LONGITUDE 80° 40' 00"

Plot - Card - CSD



FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 1000 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION USGS BM at road
 south of location ELEV = 819'

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
 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)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE NOVEMBER 17, 1982
 OPERATOR'S WELL NO. TWO RE-REVISED
 API WELL NO. #2327ALBERS 'Z
 47-017-3187
 STATE COUNTY PERMIT

CANCELLED

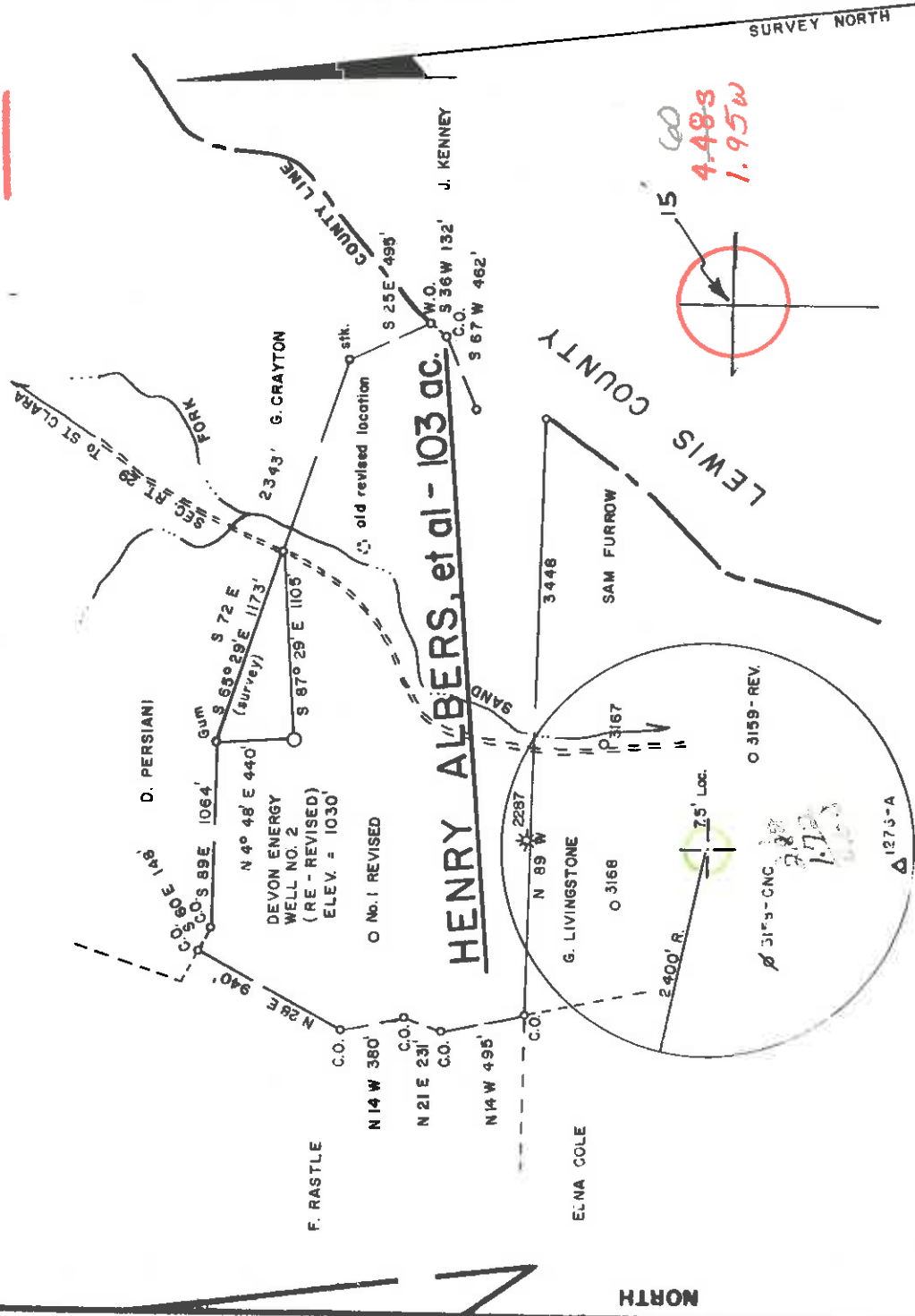
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1030' WATER SHED SAND FORK
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE YADIS 7.5' ACREAGE 103
 SURFACE OWNER WILLIAM TATRO
 OIL & GAS ROYALTY OWNER HENRY ALBERS, et al
 LEASE NO. 54801

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 2225'
 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

LATITUDE : 39° 07' 30"
 39° 10"

LONGITUDE : 80° 40' 00"
 9050'



FILE NO. _____
 DRAWING NO. _____
 SCALE _____ 1 inch = 1000 feet
 MINIMUM DEGREE OF _____
 ACCURACY _____ 1/200
 PROVEN SOURCE OF _____
 ELEVATION _____ USGS BM at road
 south of Location ELEV. = 819'

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

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 REGU-
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
 MENT OF MINES. *Mark C. Echard*
 (SIGNED) _____ MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE



DATE NOVEMBER 17, 1982
 OPERATOR'S WELL NO. TWO RE-REVISED
 API WELL NO. **2327ALBERS #2**
47-017-3187
 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 1030' WATER SHED SAND FORK
 DISTRICT COVE COUNTY DODDRIDGE
 QUADRANGLE VADIS 7.5 **7-15-WC** ACREAGE 103
 SURFACE OWNER WILLIAM TATRO LEASE NO. **54801**
 OIL & GAS ROYALTY OWNER HENRY ALBERS, et al LEASE ACREAGE 103

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 **2225'**
 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

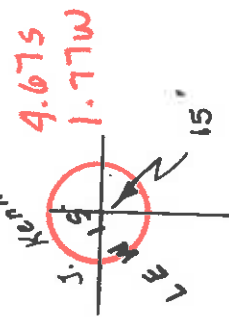
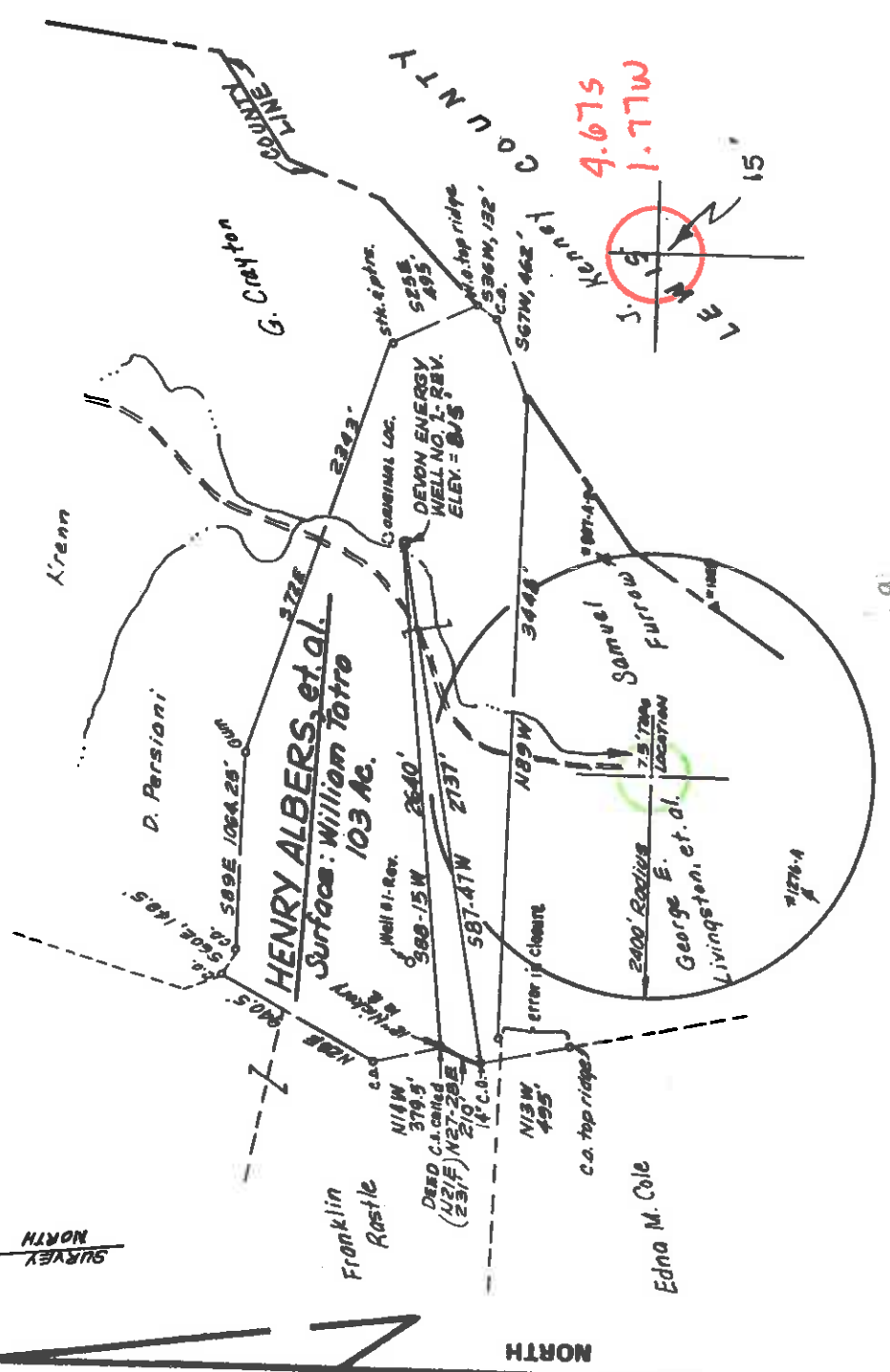
MA 10/30/82

W.V. 10/30/82

9,120'

LATITUDE 39°07'30" 39°10'

LONGITUDE 80°40'00" 8°50'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF _____
 ACCURACY 1/200
 PROVEN SOURCE OF _____
 ELEVATION USGS BM RT. 68
E. OF LOCATION, ELEV. 819'

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

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



DATE OCTOBER 22, 19 82
 OPERATOR'S WELL NO. 2327
 API WELL NO. ALBERS 02
47 - 017 - 3159-Rev.
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Cancelled
Re-issued: DOD 3187

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS.") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 815 WATER SHED SAND FORK
 DISTRICT COVE COUNTY DODD RIDGE

QUADRANGLE VADIS 7.5' ACREAGE 103
 SURFACE OWNER WILLIAM TATRO LEASE NO. _____
 OIL & GAS ROYALTY OWNER HENRY ALBERS, et. al. LEASE ACREAGE _____

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 2000'
 WELL OPERATOR DEVON ENERGY CORP DESIGNATED AGENT MR. ART YOUSE
 ADDRESS PO BOX 1433 - 1207 QUARRIER ST. CHARLESTON, W.VA. 25325
CHARLESTON, W.VA. 25325

DEC 20 1982

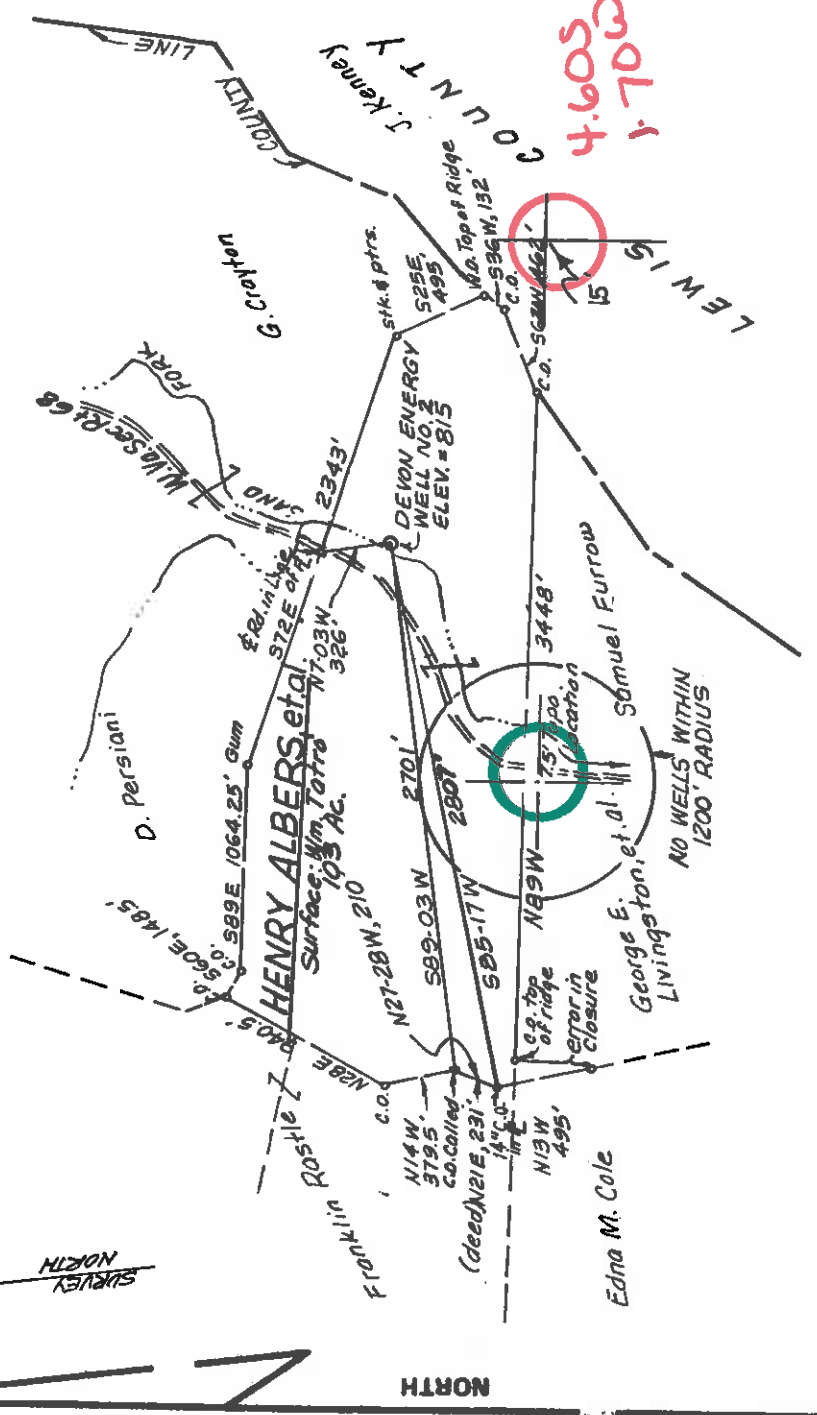
DODD. 3159-REV.

MSA 10/14/82

Plot Card CSD-25

9050' LATITUDE 39°07'30" 39°10'

LONGITUDE 80°40'00" 9370'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION USGS BM ON RT 68
1/50' SW. OF LOCATION, ELEV. 819'

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

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



DATE SEPT. 24 1982
 OPERATOR'S WELL NO. 232TALBERS#2
 API WELL NO. 47-017-3159
 STATE VA 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 815 WATER SHED SAND FORK
 DISTRICT COVE COUNTY DODDRIDGE

SURFACE OWNER WILLIAM LATRO ACRES 103
 OIL & GAS ROYALTY OWNER HENRY ALBERS, et al. LEASE ACREAGE _____

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 2000'
 WELL OPERATOR DEVON ENERGY CORP. DESIGNATED AGENT MR. ART YOUSE
 ADDRESS P.O. BOX 1433 - 1201 QUARRIER ST. CHARLESTON, W.VA. 25325

OCT 18 1982

TRASCOR

IV-35
(Rev 8-81)

RECEIVED

OCT 24 1983

OIL & GAS DIVISION
DEPT. OF MINES

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE



State of West Virginia

Department of Mines

Oil and Gas Division

Date January 13, 1983

Operator's

Well No. #2327

Farm Albers #2

API No. 47 - 017 - 3187

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

LOCATION: Elevation: 1030 Watershed Sand Fork

District: Cove County Doddridge Quadrangle Vadis

COMPANY Devon Energy Corporation

ADDRESS P.O. Box 1433, Charleston, WV 25325

DESIGNATED AGENT Arthur C. Youse

ADDRESS P.O. Box 1433, Charleston, WV 25325

SURFACE OWNER William Tatro

ADDRESS Vadis, WV 26445

MINERAL RIGHTS OWNER John Albers, Agent

ADDRESS Box 405, Kildare, OK 74642

OIL AND GAS INSPECTOR FOR THIS WORK

Stephen Casey ADDRESS Jane Lew, WV 26378

PERMIT ISSUED November 23, 1982

DRILLING COMMENCED November 26, 1982

DRILLING COMPLETED November 29, 1982

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

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	1013	1013	to surface
7			
5 1/2			
4 1/2		2213	200 sacks
3			
2		2112	
Liners used			

GEOLOGICAL TARGET FORMATION Injun Sand

Depth 2225 feet

Depth of completed well 2222 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 2110 - 2138 feet

Gas: Initial open flow 14 Mcf/d Oil: Initial open flow Bbl/d

Final open flow 1.8 MFCFD Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 650 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 2110 to 2118 and 2126 to 2138 with 42 shots. Fractured
 Injun Sand 12/6/82 using 1500 gallons 15% HCL, 50,000# sand, 610 BBLs water and 162,000
 SCF nitrogen.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Soil			0	16	Including indication of all fresh and salt water, coal, oil and gas
Shale			16	164	
Sand			164	196	
Shale			196	213	
Sand			213	240	
Shale			240	398	
Sand			398	422	
Shale			422	624	
Sand			422	662	
Shale			624	662	
Sand			662	871	
Shale			662	892	
Sand			871	892	
Shale			892	1343	
Sand			892	1352	
Shale			1343	1430	
Sand			1352	1480	
Shale			1430	1605	
Sand			1480	1621	
Shale			1605	1676	
Sand			1621	1684	
Shale			1676	1790	
Sand			1684	1830	
Shale			1790	1962	
Sand			1830	1992	
Shale			1962	2016	
Little Lime			1992	2030	
Blue Monday			2016	2090	
Pencil Cave			2030	2172	
Big Lime			2090	2172	
Injun Sand			2172	2222	
Shale			2172	2222	
Log Total Depth			2222		

(Attach separate sheets as necessary)

DEVON ENERGY CORPORATION
 Well Operator

By: D. J. Stamer
 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
 strata, encountered in the drilling of a well."



1) Date: October 6, 1982
2) Operator's Well No. 1527 ALBERT'S #2
3) API Well No. 47 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 _____ 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 _____

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

10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name _____ Address _____
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, _____
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							
Fresh water							
Coal							
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: _____
My Commission Expires _____ (ts): _____

Permit number 87-017-3136 OFFICE USE ONLY
Date 10/6/82
DRILLING PERMIT

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 _____



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION (Formerly 080-3149)

DRILLING CONTRACTOR:

EMA Drilling Co.

1) Date: November 19, 19__
2) Operator's Well No. #2527 ALM-62
3) API Well No. 47 State West Virginia County Putnam Permit 3187

OIL AND GAS WELL PERMIT APPLICATION

4) WELL TYPE: A Oil Gas
B (If "Gas", Production Elevation: 1037 Underground storage Deep Shallow
5) LOCATION: District: DOCKRIDGE Watershed: DOCKRIDGE County: PUTNAM Quadrangle: YANIS 7-1/2
6) WELL OPERATOR: EMA DRILLING COMPANY Address: 1500 2333 Charleston, W. Va. 25305
7) OIL & GAS ROYALTY OWNER: JERRY ALBERT, et al Address: 1004 ADS, MICHIGAN, VA 26042
8) SURFACE OWNER: WILLIAM HAYES Address: General Delivery Yanis, W. Va. 26443
9) FIELD SALE (IF MADE) TO: 103 ACRES Address: 103 ACRES

10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name William Hayes Address General Delivery Yanis, W. Va. 26443
Name John A. Albert, Assnt Address 1004 ADS, Michigan, Va. 26042
Name John A. Albert, Assnt Address 1004 ADS, Michigan, Va. 26042

11) DESIGNATED AGENT: WILLIAM HAYES Address General Delivery Yanis, W. Va. 26443
12) COAL OPERATOR: JERRY ALBERT, et al Address 1004 ADS, Michigan, Va. 26042
13) COAL OWNER(S) WITH DECLARATION ON RECORD: JERRY ALBERT, et al Address 1004 ADS, Michigan, Va. 26042

14) COAL LESSEE WITH DECLARATION ON RECORD: JERRY ALBERT, et al Address 1004 ADS, Michigan, Va. 26042
15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation OIL & GAS DIVISION
Other physical change in well (specify) DEPT. OF MINES

16) GEOLOGICAL TARGET FORMATION, The Liberty Seal
17) Estimated depth of completed well, 225 feet
18) Approximate water strata depths: Fresh, 200 feet; salt, 700 feet
19) Approximate coal seam depths: 225 feet; salt, 700 feet
Is coal being mined in the area? Yes No

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		PACKERS		
	Size	Grade	Weight per ft.	New	Used		For drilling	Left in well
Conductor								
Fresh water	8 5/8		20	X		1025	1025	Kind
Coal								Sizes
Intermediate								Depths set
Production	4 1/2		9.5	X		225	225	Perforations:
Tubing	4 3/8			X		2175	2175	Top
Liners								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: _____ Iss: _____

Permit number 3-017-3187 Date 11/19/82
OFFICE USE ONLY
DRILLING PERMIT

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 July 25, 1983
Bond: _____ unless drilling is commenced prior to that date and prosecuted with due diligence.
Agent: _____ Plat: _____ Casing: _____ Fee: _____
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

