



1) Date: November 23, 19 82
 2) Operator's Well No. Chesser #1
 3) API Well No. 47 001 1732-REN
 State County Permit

DRILLING CONTRACTOR:

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

Eastern Overthrust Drlg. P.O. Box 600
 Anmoore, W.Va. 26323

- 4) WELL TYPE: A Oil / Gas XX /
 B (If "Gas", Production XX / Underground storage / Deep / Shallow XX /)
- 5) LOCATION: Elevation: 1490 Watershed: Tygart Valley River
 District: Cove County: Barbour Quadrangle: Nesterville 7.5
- 6) WELL OPERATOR Eastern Overthrust Drlg. 11) DESIGNATED AGENT Richard L. Hinkle
 Address P.O. Box 600 Address same
Anmoore, W.Va. 26323
- 7) OIL & GAS ROYALTY OWNER Lucille Chesser, et. al. 12) COAL OPERATOR
 Address 14 N. Walnut St. Address
Philippi, W.Va. 26416
 Acreage 147
- 8) SURFACE OWNER Lucille Chesser, et. al. 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address 14 N. Walnut St. Name Lucille Chesser
Philippi, W.Va. 26416 Address 14 N. Walnut St.
 Acreage 147 Philippi, W.Va. 26416
- 9) FIELD SALE (IF MADE) TO: Name
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Stewart
 Address P.O. Box 345
Jane Lew, W.Va. 26378
- 15) PROPOSED WORK: Drill xx / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Elk
- 17) Estimated depth of completed well, 5600 feet
- 18) Approximate water strata depths: Fresh, 40, 120 feet; salt, feet.
- 19) Approximate coal seam depths: 30 Is coal being mined in the area? Yes / No XX /
- 20) CASING AND TUBING PROGRAM

RECEIVED
 NOV 29 1982
 OIL & GAS DIVISION
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4			X			120 ft.	to surface	Kinds
Fresh water									Sizes
Coal									Depths set
Intermediate	8 5/8		23	X			1800 ft	to surface	Perforations:
Production	4 1/2		10.5	X			5600 ft	600 sks	Top Bottom
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: April M. Hinkle Signed: Richard L. Hinkle
 My Commission Expires May 22, 1989 Its: President

OFFICE USE ONLY
DRILLING PERMIT
 Permit number 47-001-1732-REN. Date December 1 19 82

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 31, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>Blanket</u>	Agent: <u>OK</u>	Plat: <u> </u>	Casing: <u> </u>	Fee: <u>1641</u>
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 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 _____

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Eastern Overthrust Drilling, Inc.

Address P.O. Box 600, Anmoore, WV 26323

GEOLOGICAL TARGET FORMATION ELK
Estimated depth of completed well 5600 feet. Rotary / Cable tools /
Approximate water strata depths: Fresh, 40, 120 feet; salt, feet.
Approximate coal seam depths: 30 ;
Is coal being mined in this area: Yes / No /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS	
	Size	Grade	Weight per ft	New	Used	For Drill-ling			Left in Well
Conductor	11 3/4			x			120'	To Surface	Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8		23	x			1800'	To Surface	
Production Tubing	4 1/2		10 1/2	x			5600	600 Sks.	Depths set
Liners									Perforations:
									Top Bottom

*NOTE: 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.
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.*

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 11-30-82.
BY [Signature]

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:

W A I V E R

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 regularions.

Date: , 19 . Eastern Overthrust Drilling, Inc.

By:

Its:



Well No. #1
Farm L. Chesser, et. al.
API # 47 - 001 - 1732
Date 3-1-82

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas x /
(If "Gas", Production x / Underground storage ___ / Deep ___ / Shallow x /

LOCATION: Elevation: 1490 Watershed: Tygart Valley River
District: Cove County: Barbour Quadrangle: Nesterville 7.5

WELL OPERATOR Eastern Overthrust Drilling, Inc. DESIGNATED AGENT Richard L. Hinkle
Address P.O. Box 600 Address P.O. Box 326
Anmoore, W.Va. 26323 Bridgeport, W.Va. 26330

OIL AND GAS ROYALTY OWNER Lucille Chesser, et. al.
Address 14 N. Walnut St.
Philippi, WV 26416
Acreage 147

COAL OPERATOR _____
Address _____

SURFACE OWNER Lucille Chesser, et. al.
Address 14 N. Walnut St.
Philippi, WV 26416
Acreage 147

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME Lucille Chesser
Address 14 N. Walnut St.
Philippi, WV 26416
NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Robert Stewart
Address P.O. Box 345
Jane Lew, WV 26378
Telephone 884-7782

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MAR 05 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease x / other contract ___ / dated _____, 19___, to the undersigned well operator from Beckler Energy, Inc.

(If said deed, lease, or other contract has been recorded:)

Recorded on _____, 19___, in the office of the Clerk of County Commission of _____ County, West Virginia, in _____ Book at page _____. A permit is requested as follows:

PROPOSED WORK: Drill ___ / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___ / Plug off old formation ___ / Perforate new formation ___ / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

Eastern Overthrust Drilling, Inc.
Well Operator

By: Richard L. Hinkle

Its: President

BLANKET BOND



1) Date: June 1, 19 83
 2) Operator's Well No. Lucille Chesser #1
 3) API Well No. 47 001 1732 REN
 State County Permit

DRILLING CONTRACTOR:

STATE OF WEST VIRGINIA

Eastern Overthrust Driling DEPARTMENT OF MINES, OIL AND GAS DIVISION

Anmoore, W.Va. 26323 OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas x /
 B (If "Gas", Production x / Underground storage / Deep / Shallow x /)
- 5) LOCATION: Elevation: 1490 Watershed: Tygart Valley River
 District: Cove County: Barbour Quadrangle: Nestorville 7.5
- 6) WELL OPERATOR Eastern Overthrust Driling, Inc DESIGNATED AGENT Richard L. Hinkle
 Address P.O. Box 600 Address same
Anmoore, W.VA. 26323
- 7) OIL & GAS ROYALTY OWNER Lucille Chesser, et. al. 12) COAL OPERATOR
 Address 14 N. Walnut St. Address
Philippi, W.Va. 26416
 Acreage 147
- 8) SURFACE OWNER Lucille Chesser, et. al. 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address 14 N. Walnut St. Name Lucille Chesser
Philippi, W.Va. 26416 Address 14 N. Walnut St.
 Acreage 147 Philippi, W.Va. 26416
 Name
 Address
- 9) FIELD SALE (IF MADE) TO:
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert Stewart
 Address P.O. Box 345
Jane Lew, W.Va. 26378
- 15) PROPOSED WORK: Drill xx / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Elk
- 17) Estimated depth of completed well, 5600 feet
- 18) Approximate water strata depths: Fresh, 40, 120 feet; salt, feet.
- 19) Approximate coal seam depths: 30 Is coal being mined in the area? Yes / No xx /

Rev. 5/23/83

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	For drilling	Left in well		
Conductor	11 3/4			x			120 150	to surface	Kinds <u>NEAT</u>
Fresh water									
Coal									Sizes
Intermediate	8 5/8		23	x			1800 ft.	to surface	
Production	4 1/2		10.5	x			5600 ft.	600 sacks	Depths set
Tubing									
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: Apur M. Hinkle
 My Commission Expires May 22, 1989

Signed: Richard L. Hinkle
 Its: President

OFFICE USE ONLY

DRILLING PERMIT

Permit number 47-001-1732-REN. Date June 7 19 83

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 February 7, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u> </u>	Plat: <u> </u>	Casing: <u> </u>	Fee: <u>1975</u>
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 Administrator, Office of Oil and Gas

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.
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- 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 _____

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NOV 08 1984



1) Date: November 5, 19 84
 2) Operator's Well No. Lucille Chesser #1
 3) API Well No. 47 - 001 - 1732-REN
 State County Permit

OIL & GAS DIV.
DEPT. OF MINES

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1490 Watershed: Tygart Valley River
 District: Cove County: Barbour Quadrangle: Nestorville 7.5
- 6) WELL OPERATOR Eastern Overthrust Drilling, Inc. 7) DESIGNATED AGENT Richard L. Hinkle
 Address P. O. Box 600 Address P. O. Box 600
Anmoore, W. Va. 26323 Anmoore, W. Va. 26323
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Russell Beall DONALD ELLIS
 Address P. O. Box 160 Address P. O. Box 600
Philippi, W. Va. 26416 Anmoore, W. Va. 26323
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Elk
 12) Estimated depth of completed well, 5600 feet
 13) Approximate strata depths: Fresh, 40, 120 feet; salt, _____ feet.
 14) Approximate coal seam depths: 30 Is coal being mined in the area? Yes / No /
- 15) 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	For drilling	Left in well		
Conductor	11 3/4			x		30		to surface	Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8		23	x			1800 ft	to surface	
Production	4 1/2		10.5	x			5600 ft	600 sacks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-001-1732-REN

Date November 15, 19 84

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires November 15, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee
<u>59</u>	<u>MW</u>	<u>MW</u>	<u>MW</u>	<u>2971</u>

Margaret J. Hesse
 Administrator, Office of Oil and Gas

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

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File



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OIL & GAS DIV
DEPT. OF MINES

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) Well location: _____

2) LOCATION: _____

3) WELL OPERATOR: _____

4) PROPOSED WELL WORK: _____

5) GEOLOGICAL TARGET FORMATION: _____

6) Estimated depth of completed well: _____

7) Approximate test depth: _____

8) Approximate test depth: _____

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

Agent	Plan	Charge	Fee
SA	SA	SA	SA

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



1) Date: November 5, 1984
 2) Operator's Well No. Lucille Chesser #1
 3) API Well No. 47 001 1732 Ren
 State County Permit

RECEIVED

NOV 19 1984

**OIL & GAS DIV.
DEPT. OF MINES**

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil / Gas xx
 B (If "Gas", Production xx / Underground storage / Deep / Shallow xx)
- 5) LOCATION: Elevation: 1490 Watershed: Tygart Valley River
 District: Cove County: Barbour Quadrangle: Nestorville 7.5
- 6) WELL OPERATOR Eastern Overthrust Drilling, Inc. 7) DESIGNATED AGENT Richard L. Hinkle
 Address P. O. Box 600 Address P. O. Box 600
Anmoore, W. Va. 26323 Anmoore, W. Va. 26323
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Russell Seall Name Eastern Overthrust Drilling, Inc.
 Address P. O. Box 160 Address P. O. Box 600
Philippi, W. Va. 26416 Anmoore, W. Va. 26323
- 10) PROPOSED WELL WORK: Drill xx / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, slk
 12) Estimated depth of completed well, 5600 feet
 13) Approximate strata depths: Fresh, 40.120 feet; salt, feet.
 14) Approximate coal seam depths: 30 Is coal being mined in the area? Yes / No xx
- 15) 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	For drilling	Left in well		Kinds	Sizes
Conductor	<u>1 3/4</u>			<u>x</u>		<u>30</u>	<u>to surface</u>			
Fresh water										
Coal										
Intermediate	<u>8 5/8</u>		<u>23</u>	<u>x</u>			<u>1800 ft to surface</u>			
Production	<u>4 1/2</u>		<u>10.5</u>	<u>x</u>			<u>5600 ft 600 sacks</u>			
Tubing										
Liners										
									Perforations:	
									Top	Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____
 By _____
 Its _____ Date _____

Lucille Chesser Hadley Date: 11-14-84
Abby in fact Lucille Crin Chesser
 (Signature) (Signature)



**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be filed with Notice and Application. However, see also Code § 22-4-1b(b) if there are tenants in common or other co-owners of interest described in this section hold interests in such lands".
- 5(i) "Coal Operator" means any corporation that proposes to operate a coal seam association or
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c) for continuing contract(s), provided below.
- 7) See Code §§ 22-4-1

CONCERNING THE REQUIRED COPIES:

Filing. Code § 22-4-1 requires three copies of the Notice of Intent to be filed accompanied by (i) a plat of the land, (ii) the forms prescribed by Code § 22-4-1k and 22-4-1l, (iii) unless otherwise provided by Code § 22-3-12a, an affidavit of the owner of any well

Service. In addition to the Notice, the Applicant must file with an interest in the land

Under the provisions of this Act, I depose and swear that

- (1) the contents of the Notice and Application are true and correct;
- (2) the Applicant is the owner of the oil or gas interest described in the Notice and Application;

Grantor, lessor, etc.

Lucille Chesser,
widow
By Peggy C. Hadley

P 418 757 932

RECEIPT FOR CERTIFIED MAIL
INSURANCE COVERAGE PROVIDED BY THE POSTAL SERVICE FOR INTERNATIONAL MAIL

(See Reverse)

Sent to: Mrs. Peggy Chesser Hadley

Street and No. Rt. 4, Box 714

P.O., State and ZIP Code Washington, NC 27889

Postage	
Certified Fee	\$5
Special Delivery Fee	75
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	60
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$189

Postmark or Date: NC 1010 1984

ed
m-
ne of
allowed
ation
§ 22-4-1a(c)
from the

ne person(s)
nd 22-4-2b.

s)
side of this Notice,
Applicant, and that--
on to which this Notice
nd described in the

or other continuing
act, produce or market

Royalty Book Page
Inc. 88 13

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

- (i) Name Lucille Chesser et al
Address 14 N. Walnut St.
Philippi, W. Va. 26416
- (ii) Name _____
Address _____
- (iii) Name _____
Address _____

5(i) COAL OPERATOR _____
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Lucille Chesser
Address 14 N. Walnut St.
Philippi, W. Va. 26416

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) 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.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other 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.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Richard L. Hinkle
this 5 day of November, 1984.
My commission expires Jan. 27, 1994.

Phyllis G. Steele
Notary Public, Harrison County,
State of W. Va.

WELL
OPERATOR Eastern Overthrust Drilling, Inc.

By Richard L. Hinkle
Its President
Address P. O. Box 600
Anmoore, W. Va. 26323
Telephone (304) 622-2197

OIL & GAS DIV.
DEPT. OF MINES

NOV 11 1984

RECEIVED

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE NESTORVILLE 7.5

LEGEND

Well Site ⊕

Access Road ———



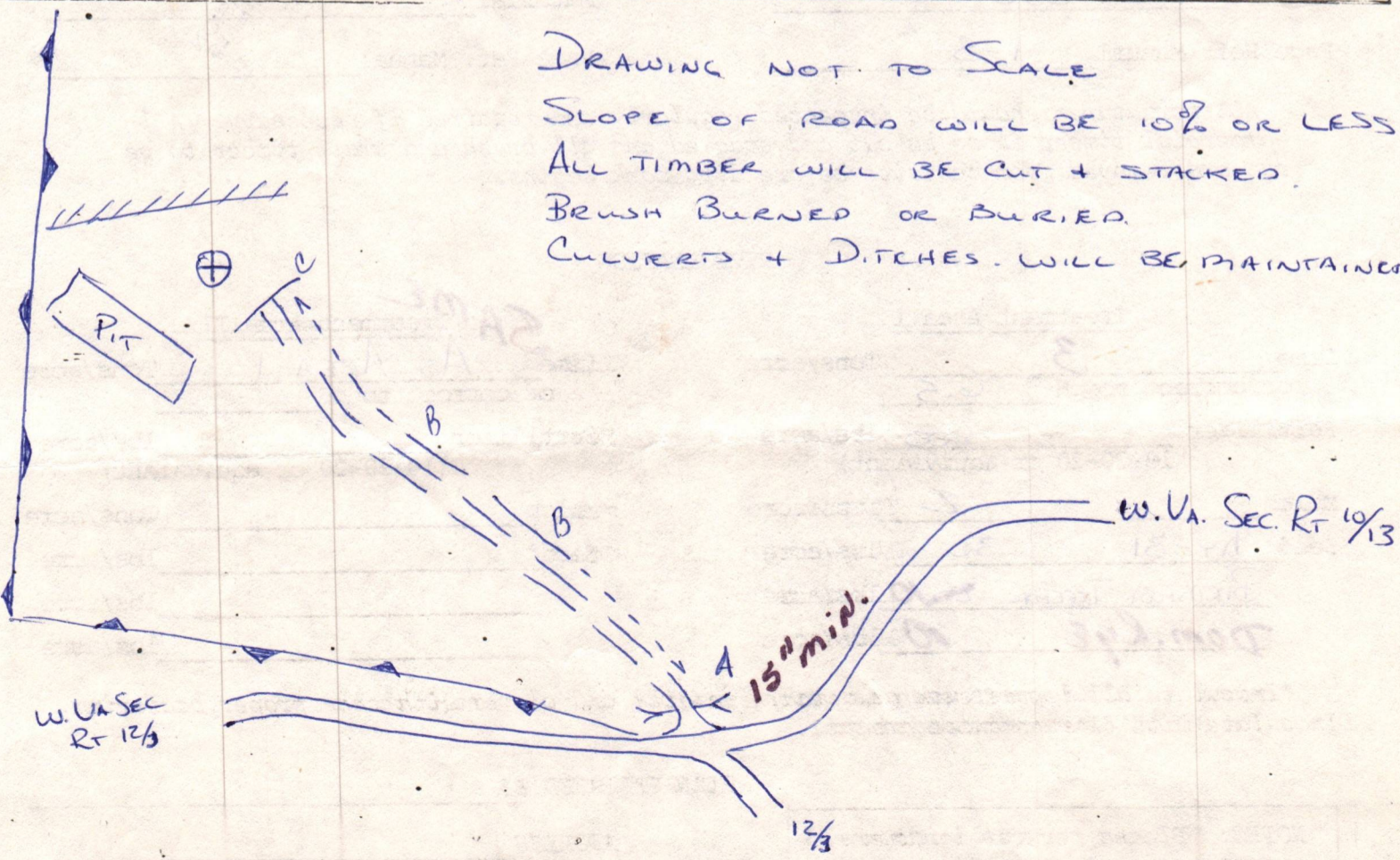
WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

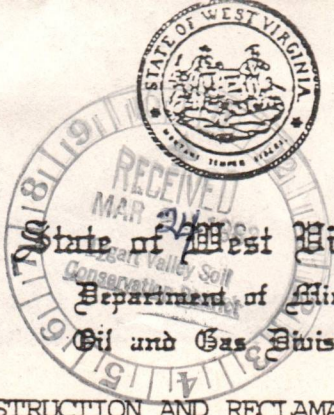
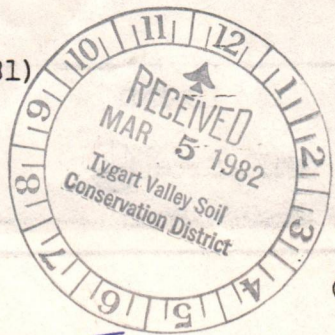
Property boundary ———▲———	Diversion //////////////
Road = = = = =	Spring ○→
Existing fence —x—x—	Wet spot ♀
Planned fence —/—/—	Building ■
Stream ~~~~~	Drain pipe —○→○→
Open ditch —>>>—>>>—>>>—>>>—	Waterway <=====>

DRAWING NOT TO SCALE
SLOPE OF ROAD WILL BE 10% OR LESS.
ALL TIMBER WILL BE CUT + STACKED.
BRUSH BURNED OR BURIED.
CULVERTS + DITCHES WILL BE MAINTAINED



Returned to Eastern
3/8. LACK OF INFO. -jf

IV-9
(Rev 8-81)



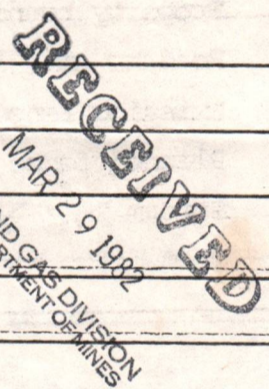
DATE 3-1-82
WELL NO. 1
API NO. 47-001-1732
L. CHESSEY #1 147A

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME EASTERN OVERTHRUST DRILLING, Inc DESIGNATED AGENT RICHARD HINKLE
Address P.O. Box 600 Anmoore, W.V. Address Anmoore, W.V.
Telephone 622-2197 Telephone 622-2197
LANDOWNER LUCILLE CHESSEY ET AL SOIL CONS. DISTRICT TYGART VALLEY
Revegetation to be carried out by E.O.D. Inc. (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan: 3/24/82 (Date)
Jean Freeman (SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>CULVERT</u> (A)	Structure <u>DIVERSION BREAKER</u> (1)
Spacing <u>15"</u>	Material <u>EARTHEN (IF NEEDED)</u>
Page Ref. Manual <u>1-8</u>	Page Ref. Manual <u>1-11</u>
Structure <u>DRAIN DITCH</u> (B)	Structure _____ (2)
Spacing _____	Material _____
Page Ref. Manual <u>1-11</u>	Page Ref. Manual _____
Structure <u>BREAKER</u> (C)	Structure _____ (3)
Spacing <u>150-200'</u>	Material _____
Page Ref. Manual <u>1-5</u>	Page Ref. Manual _____



All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I	Treatment Area II
Lime <u>3</u> Tons/acre or correct to pH <u>6.5</u>	Lime <u>AS AREA I</u> Tons/acre or correct to pH _____
Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)	Fertilizer _____ lbs/acre (10-20-20 or equivalent)
Mulch <u>2</u> Tons/acre	Mulch _____ Tons/acre
Seed* <u>KY-31</u> <u>30</u> lbs/acre	Seed* _____ lbs/acre
<u>BIRDFOOT TREFAL</u> <u>25/10</u> lbs/acre	_____ lbs/acre
<u>Dom. Rye</u> <u>10</u> lbs/acre	_____ lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY _____
ADDRESS _____
PHONE NO. _____

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

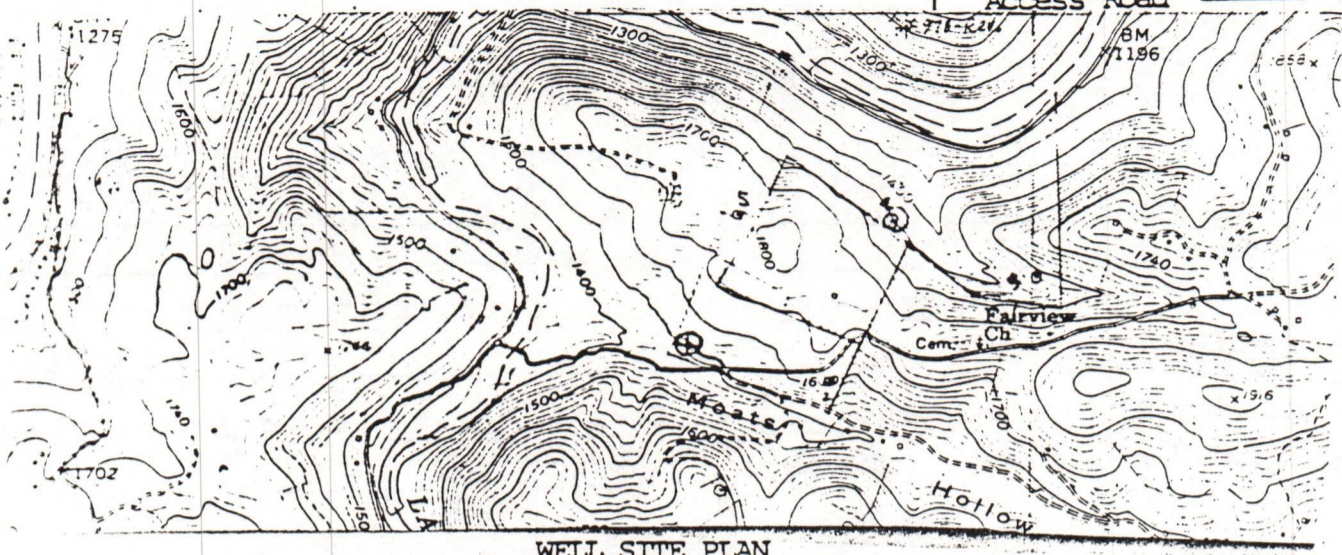
IV-9 REVERSE
(REV 8-81)

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE NESTORVILLE 7.5

LEGEND

Well Site ⊕

Access Road ———



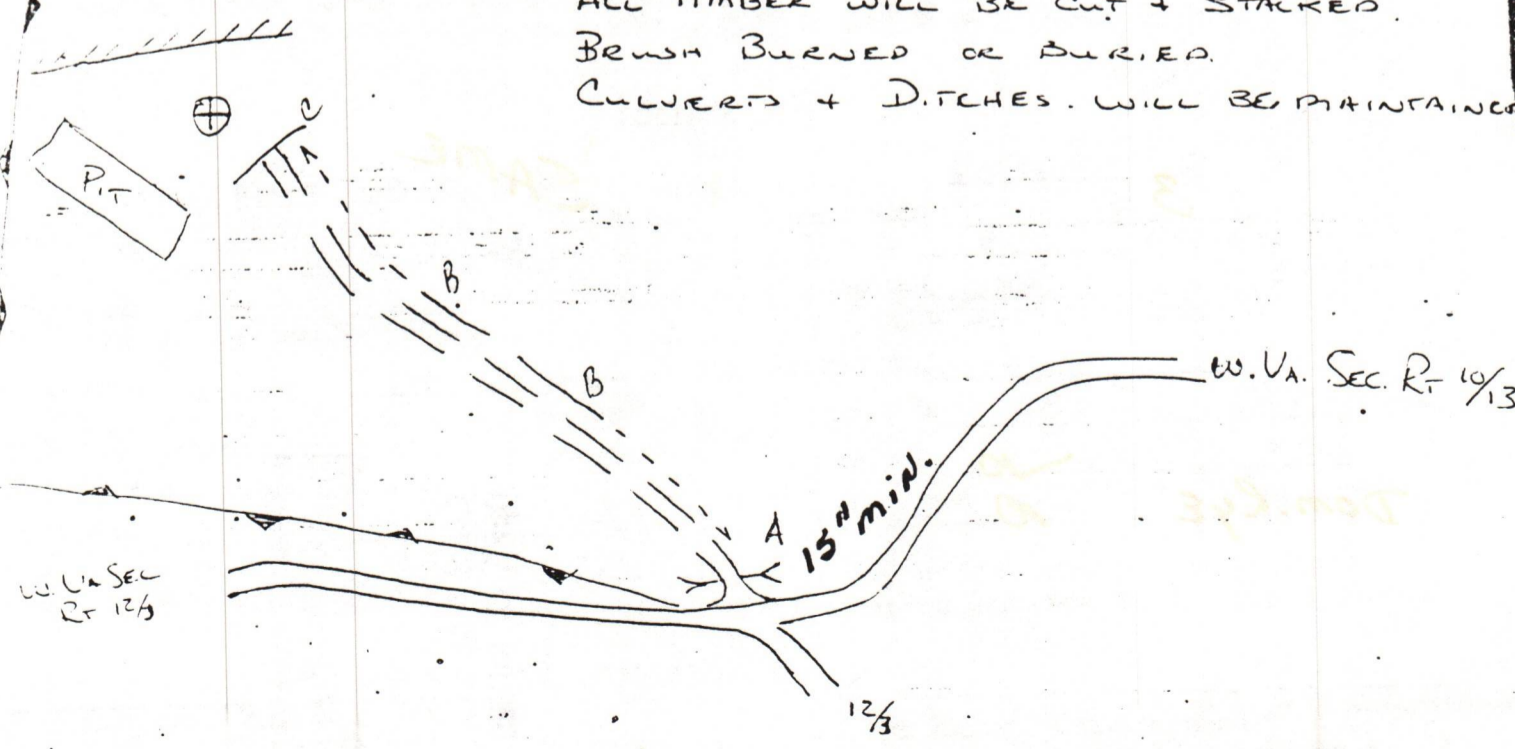
WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

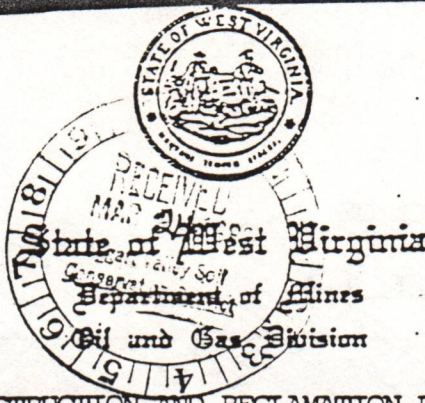
Property boundary ———▲———	Diversion //////////////
Road = = = = =	Spring ○→
Existing fence —x—x—	Wet spot ♀
Planned fence —/—/—	Building ■
Stream ~~~~~	Drain pipe —○→○→
Open ditch —•••••→	Waterway ←=→=→=

DRAWING NOT TO SCALE
SLOPE OF ROAD WILL BE 10% OR LESS
ALL TIMBER WILL BE CUT + STACKED
BRUSH BURNED OR BURIED
CULVERTS + DITCHES WILL BE MAINTAINED



Returned to Eastern
3/8. LACK OF INFO. - jf

TV-9
(Rev 8-81)



DATE 3-1-82
WELL NO. 1
API NO. 47-001-1732
L-CHESSEY #1 1471

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME EASTERN OVERTHEWST DRILLING, INC. DESIGNATED AGENT RICHARD HINKLE
Address P.O. Box 600 Anmoore, W.V. Address Anmoore, W.V.
Telephone 622-2197 Telephone 622-2197
LANDOWNER LUCILLE CHESSEY ET AL SOIL CONS. DISTRICT TYGART VALLEY
Revegetation to be carried out by F.O.D. Inc. (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan: 3/24/82 (Date)

Jean Freeman
(SCD Agent)

ACCESS ROAD

LOCATION

Structure CULVERT (A)
Spacing 15"
Page Ref. Manual 1-8

Structure DIVERSION BREAKER (1)
Material EARTHEN (IF NEEDED)
Page Ref. Manual 1-11

Structure DRAIN DITCH (B)
Spacing _____
Page Ref. Manual 1-11

Structure _____ (2)
Material _____
Page Ref. Manual _____

Structure BREAKER (C)
Spacing 150-200'
Page Ref. Manual 1-5

Structure _____ (3)
Material _____
Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch 2 Tons/acre
Seed* KY-31 30 lbs/acre
BIRDFOOT TREFAL 250 lbs/acre
Dom. Rye 10 lbs/acre

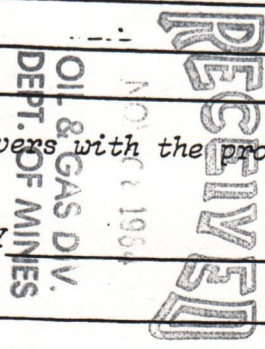
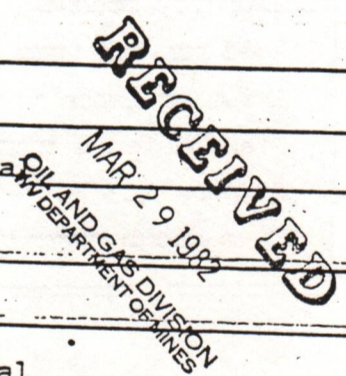
SAME Treatment Area II

Lime As Area I Tons/acre
or correct to pH _____
Fertilizer _____ lbs/acre
(10-20-20 or equivalent)
Mulch _____ Tons/acre
Seed* _____ lbs/acre
_____ lbs/acre
_____ lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY _____
ADDRESS _____
PHONE NO. _____



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

NOWSCO WATER FRAC

Stage #1 (2nd, 3rd, 4th Elk, Haverty) 4272-5113' (25 Holes) 5000# 80/100 Sand 40,000# 20/40/ Sand, 750 Gal 15% HCL, 755 BBL Sand Laden Fluid, 30 lb Gel System. Average injection rate: 24.9 BBL/Min. Average treating Pressure: 2694 psi.

Stage #2 (Riley, Benseon) 3546-3869' (23 Holes) 60,000# 20/40 Sand, 750 Gal 15% HCL, 696 BBL Sand Laden fluid, 20 lbs. Gel System. Average injection rate: 24.9 BBL/min, Average treating pressure: 2683 psi.

Stage #3 (Balltown) 2889'- 2920' (14 Holes) 45,000# 20/40 Sand, 750 gals 15% HCL, 434 bbl Sand Laden Fluid, 20 lb Gel System. Average injection rate: 24.9 BBL/min, Average treating Pressure: 2143 psi.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay			0	10	
W Sand			10	90	
Shale			90	103	
Sand			103	135	
Sand			135	145	
Sand			145	195	
Sand			195	225	
Sandy- Shale			225	255	1/2" H2O 350'
White Sand			255	340	1" H2O 675'
Sand & Shale			340	540	
Shale & Red Rock			540	700	
Sand			700	720	
Shale & Red Rock			720	730	
Sand			730	752	
Red Rock			752	785	
Sand- Shale			785	980	
B Lime			980	1093	
B Injun			1093	1202	
Shale			1202	1217	
Sand & Shale			1217	1528	
Shale & Red Rock			1528	1655	
Sandy & Shale			1655	1765	
Shale			1765	1855	
Shale			1855	1965	
Sandy & Shale			1965	2065	
Shale			2065	2190	Gas Ck 4/10-1" 2123'
Red Rock			2190	2373	
Sand & Shale			2373	2680	Gas Ck 3/10-1" 2404'
Shale			2680	2990	Gas Ck 5/10-1" 2800'
Sand			2990	3105	Gas Ck 2997' no show
Shale- W Sand			3105	3216	
Shale			3216	3309	
Sand			3309	3370	
Sandy- Shale			3370	3465	
Shale			3465	3575	
Sandy Shale			3575	3685	
Shale			3685	3765	Gas Ck 3712' no show
Shale			3765	3825	
Sandy- Shale			3825	4030	Gas ck 3869' no show

(Attach separate sheets as necessary)

EASTERN OVERTHRUST DRILLING, INC.
Well Operator

By: Richard L. Smith

Date: February 22, 1985

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 coal, encountered in the drilling of a well."



IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date February 22 1985
Operator's Well No. #1
Farm Lucille Chessar
API No. 47 - 001 - 1732 REN

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

RECEIVED

FEB 28 1985

OIL & GAS DIVISION

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

LOCATION: Elevation: 1490' Watershed Tygart Valley River
District: Cove County Barbour Quadrangle Nestorville 7.5

COMPANY Eastern Overthrust Drilling, Inc.

ADDRESS P. O. Box 600, Anmoore, WV 26323

DESIGNATED AGENT Richard L. Hinkle

ADDRESS P. O. Box 600, Anmoore, WV 26323

SURFACE OWNER Lucille Chessar et al

ADDRESS 14 N. Walnut St.

ADDRESS Philippi, WV 26416

MINERAL RIGHTS OWNER Lucille Chessar et al

ADDRESS 14 N. Walnut St.

ADDRESS Philippi, WV 26416

OIL AND GAS INSPECTOR FOR THIS WORK Russell

Beall ADDRESS P. O. Box 160

ADDRESS Philippi, WV 26416

PERMIT ISSUED November 15, 1984

DRILLING COMMENCED November 30, 1984

DRILLING COMPLETED December 5, 1984

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	801'	801'	200 sacks
7			
5 1/2			
4 1/2		5230'	490 sacks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk Depth 5600 feet

Depth of completed well 5297²⁵ feet Rotary xx / Cable Tools _____

Water strata depth: Fresh 350-675 feet; Salt 0 feet

Coal seam depths: 0 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation 2nd, 3rd Elk, Haverty
Fox Pay zone depth 4271-5111 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 0 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 0 hours

Static rock pressure 0 psig (surface measurement) after 0 hours shut in

(If applicable due to multiple completion--)

Second producing formation Riley, Benson Pay zone depth 3546-3866 feet

Gas: Initial open flow 0 Balltown Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 633 Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1750 psig (surface measurement) after 48 hours shut in

(Continue on reverse side)

BAR - 1732 REN

WELL LOG Cont.

FORMATION	TOP FEET	BOTTOM FEET	REMARKS
Shale	4030	4070	Gas Ck 4 5/10-1" 4270'
Shale w/Sand	4070	4768	Gas Ck 6 5/10-1" 4519'
Shale	4768	4985	Gas Ck 4 5/10-1" 4799'
Sand	4985	5000	
Shale	5000	5165	
Shale	5165	5265	
Sandy- Shale	5265	5275	
		5297 TD	Gas Ck 2/10-1/4"

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

RECEIVED
DEC 3 - 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 001-1732REN

Oil or Gas Well _____
(KIND)

Company <u>EASTERN OVERTHRUST</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>ANMOORE W.V.</u>	Size			
Farm <u>CHESSE</u>	16			Kind of Packer _____
Well No. <u>#1</u>	13			
District <u>COVE.</u> County <u>BARBOUR</u>	10			Size of _____
Drilling commenced <u>11-30-84</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names EASTERN OVERTHRUST

Remarks: RIG UP + SPUD

11-30-84
DATE

Daniel Bell
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE I hereby certify I visited the above well on this date.

[Handwritten Signature]

DISTRICT WELL INSPECTOR

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

RECEIVED
DEC 1 1 1984

INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 001-1732 REN

Oil or Gas Well _____
(KIND)

Company <u>EASTERN OVERTHRUST</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>ANMOORE W.V.</u>	Size			
Farm <u>COVE CHESSER</u>	16			Kind of Packer
Well No. <u>1</u>	13			
District <u>COVE</u> County <u>BARBOUR.</u>	10			Size of
Drilling commenced <u>11-30-84</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Rock pressure _____ lbs. _____ hrs.				Perf. bottom
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names EASTERN OVERTHRUST

Remarks: Only 5130 Quarts.

12-5-84
DATE

[Signature]
DISTRICT WELL INSPECTOR

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

RECEIVED

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____
 COMPANY _____ ADDRESS _____
 FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
 DATE

[Handwritten Signature]

DISTRICT WELL INSPECTOR



RECEIVED
SEP 17 1985

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
March 5, 1985

COMPANY Eastern Overthrust Drilling, Inc.

PERMIT NO 001-1732-REN (11-15-84)

P. O. Box 600

FARM & WELL NO Lucille Chessar #1

Anmoore, West Virginia 26323

DIST. & COUNTY Cove/Barbour

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	<u>C</u>	
25.04	Prepared before Drilling to Prevent Waste	<u>C</u>	
25.03	High-Pressure Drilling	<u>C</u>	
16.01	Required Permits at Wellsite	<u>C</u>	
15.03	Adequate Fresh Water Casing	<u>C</u>	
15.02	Adequate Coal Casing	<u>C</u>	
15.01	Adequate Production Casing	<u>C</u>	
15.04	Adequate Cement Strength	<u>C</u>	
15.05	Cement Type	<u>C</u>	
23.02	Maintained Access Roads	<u>C</u>	
25.01	Necessary Equipment to Prevent Waste	<u>C</u>	
23.04	Reclaimed Drilling Pits	<u>C</u>	
23.05	No Surface or Underground Pollution	<u>C</u>	
23.07	Requirements for Production & Gathering Pipelines	<u>C</u>	
16.01	Well Records on Site	<u>C</u>	
16.02	Well Records Filed	<u>C</u>	
7.05	Identification Markings	<u>C</u>	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED 9-13-85

DATE [Signature]

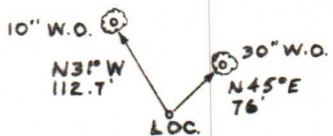
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

[Signature]
Administrator-Oil & Gas Division

September 18, 1985

DATE

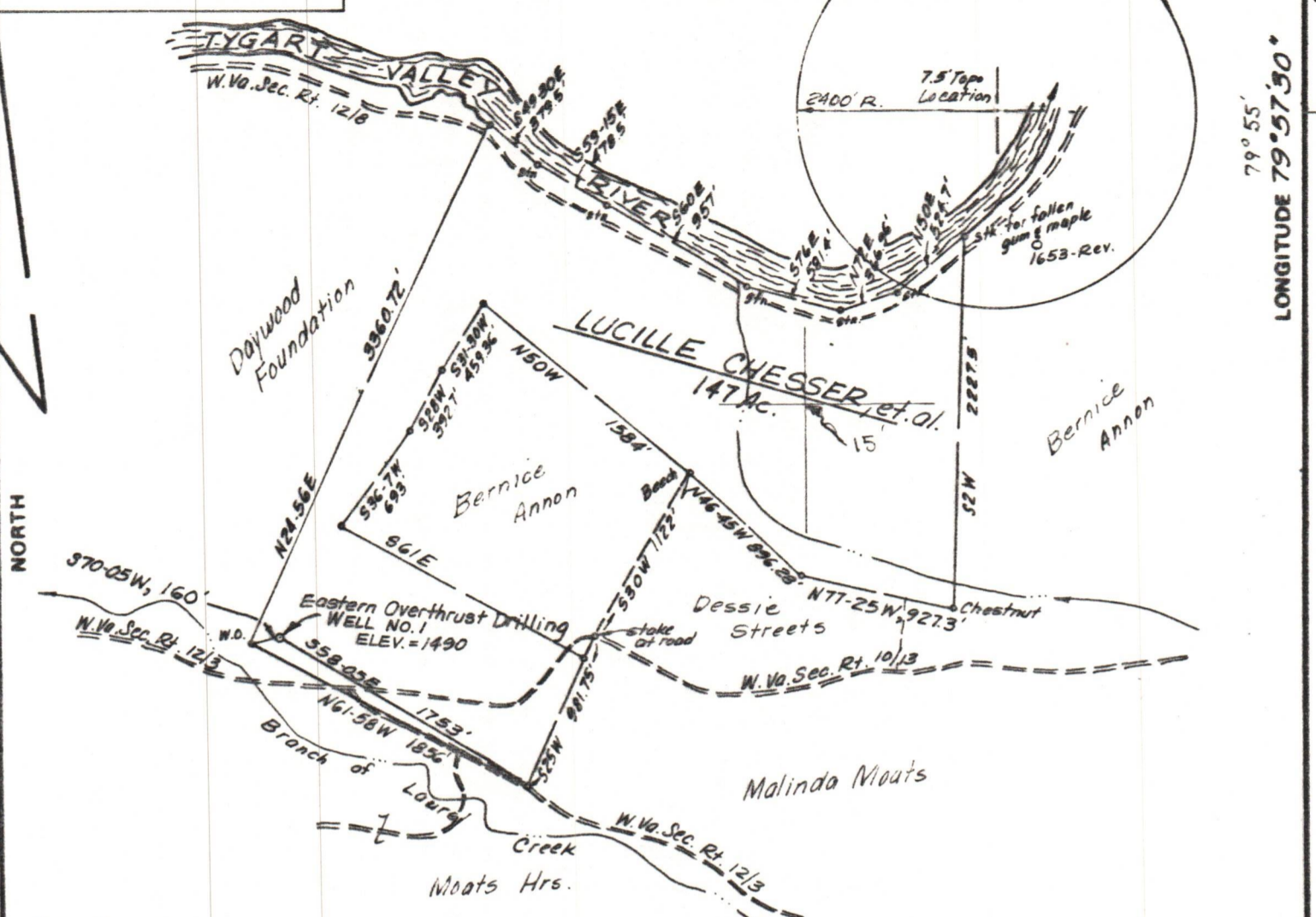
WELL REFERENCES



LATITUDE 39-12-30
39° 15'

3690's

LONGITUDE 79° 55' 30"

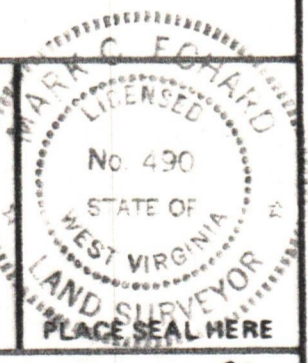


COAL OWNER:

Lucille Chesser
14 N. Walnut St.
Philippi, W.Va. 26416

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION TOP OF KNOB 2450'S SW OF LOCATION, ELEV. = 1762'

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



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



DATE FEBRUARY 22, 19 82
OPERATOR'S WELL NO. ONE
API WELL NO. _____
47 - 001 - 1732-R
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 1490' WATER SHED TYGART VALLEY RIVER
DISTRICT COVE COUNTY BARBOUR
QUADRANGLE NESTORVILLE 7.5'
SURFACE OWNER LUCILLE CHESSER, et al. ACREAGE 147
OIL & GAS ROYALTY OWNER LUCILLE CHESSER, et al. LEASE ACREAGE 147
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 HAVERTY ESTIMATED DEPTH 5600'
WELL OPERATOR EASTERN OVERTHRUST DRILLING INC. DESIGNATED AGENT MR. RICHARD HINKLE
ADDRESS P.O. BOX 600 ANMOORE, W.VA. 26323 ADDRESS P.O. BOX 600 ANMOORE, W.VA. 26323