THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO x DRILL _____ DEEPEN x FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If Known)
NAME unknown
ADDRESS ---
TELEPHONE ---

RESPONSIBLE AGENT:
NAME William E. Bennett
ADDRESS Box 2683, Charleston, WV 25330
TELEPHONE 345-0216

ESTIMATED DEPTH OF COMPLETED WELL: 5500'
ROTARY x CABLE TOOLS _____
PROPOSED GEOLOGICAL FORMATION: Haverty Sd.

TYPE OF WELL: OIL _____ GAS x COMB. _____ STORAGE _____ DISPOSAL _____
RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

| CASING AND TUBING SIZE | USED FOR DRILLING | LEFT IN WELL | CEMENT FILL UP OR SACKS - CUBIC FT. |
|---|---|---|---|
| 20 - 16 | | | |
| 13 - 10 | 40' | 40' | to surface |
| 9 - 5/8 | | | |
| 8 - 5/8 | 1000' | 1000' | to surface |
| 7 | | | |
| 5 ½ | | | |
| 4 ½ | 5500' | 5500' | back to 2600' |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS 60, 150 FEET -- SALT WATER -- FEET
APPROXIMATE COAL DEPTHS unknown , _____
IS COAL BEING MINED IN THE AREA? no BY WHOM? --

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, $100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

NA

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

_____
For Coal Company

_____
Official Title

OG – 1
Rev. – 71

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
APR 13 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

# Oil and Gas Division

# OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE 9 April, 1982

Surface Owner Blaine Right
Address Belington, WV
Mineral Owner same
Address same
Coal Owner same
Address same
Coal Operator none
Address none

Company Eastern Intermountain Energy Ltd.
Address Box 2683, Charleston, WV 25330
Farm B. Right Acres 58.52
Location (waters) Wolf Run
Well No. 1 Elevation 1760' 1430
District Barker County Barbour
Quadrangle Belington 7½

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 12-20-82
BY [signature]

INSPECTOR TO BE NOTIFIED Robert Stewart
ADDRESS Box 345, Jane Lew, WV
PHONE 884-7728

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated 16 February 1982 by Blaine & Bessie L. Right made to ~~Eastern Intermountain~~ and recorded on the 17 day of February 1982, in Barbour County, Book 89 Page 624

X NEW WELL ____ DRILL DEEPER ____ REDRILL X FRACTURE OR STIMULATE
____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address --- day --- before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Very truly yours, Eastern Intermountain Energy Ltd.
(Sign Name) William G. Bennett
Well Operator

Address of Well Operator
Box 2683
Street
Charleston
City or Town
WV
State

*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

47-001-1761
PERMIT NUMBER

BLANKET BOND

FORM IV-2
(Obverse)
(6-82)

1) Date: March 5, 19 83
2) Operator's Well No. 1 RENEWAL
3) API Well No. 47 001 1761
State County Permit

DRILLING CONTRACTOR:
Unknown

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

OIL AND GAS WELL PERMIT APPLICATION

4) WELL TYPE: A Oil ____ / Gas X /
B (If "Gas", Production ____ / Underground storage ____ / Deep ____ / Shallow ____ /)

5) LOCATION: Elevation: 1760 Watershed: Wolf Run
District: Barker County: Barbour Quadrangle: Belington 7½

6) WELL OPERATOR Eastern Intermountain Energy
Address P.O. Box 902
Belington, WV 26250

11) DESIGNATED AGENT George Williams
Address P.O. Box 902
Belington, WV 26250

7) OIL & GAS ROYALTY OWNER Bessie Right
Address Box 472
Belington, WV 26250
Acreage 59 acres

12) COAL OPERATOR none
Address

8) SURFACE OWNER same
Address
Acreage

13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Bessie Right
Address Box 472
Belington, WV 26250
Name
Address

9) FIELD SALE (IF MADE) TO:
Address Unknown

14) COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

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MAR 9 - 1983
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert Stewart
Address Box 345 Jane Lew, WV
Phone 884-7728

15) PROPOSED WORK: Drill X / Drill deeper ____ / Redrill ____ / Fracture or stimulate X /
Plug off old formation ____ / Perforate new formation ____ /
Other physical change in well (specify) ____

16) GEOLOGICAL TARGET FORMATION, Haverty Sd

17) Estimated depth of completed well, 5500 feet

18) Approximate water strata depths: Fresh, 60, 150 feet; salt, ____ feet.

19) Approximate coal seam depths: Unknown Is coal being mined in the area? Yes ____ / No X /

20) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS Size | Grade | Weight per ft. | New | Used | FOOTAGE INTERVALS For drilling | Left in well | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|---|---|---|---|---|---|---|---|---|---|
| Conductor | 11 3/4 | | | | | 40 ft | 40 ft. | | Kinds |
| Fresh water | | | | | | | | | |
| Coal | | | | | | | | | Sizes |
| Intermediate | 8 5/8 | | | | | 1000 ft | 1000 ft to surface | | Neat |
| Production | 4½ | | | | | 5500 ft | 5500 ft. back to 2600 ft. | | Depths Set |
| Tubing | | | | | | | | | |
| Liners | | | | | | | | | Perforations: |
| | | | | | | | | | Top Bottom |

21) EXTRACTION RIGHTS
Check and provide one of the following:
[X] 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 [X] 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: Irene Rose
My Commission Expires MAY 20, 1991

Signed: George Williams
Its: Designated Agent

OFFICE USE ONLY

DRILLING PERMIT

Permit number 47-001-1761-REN.

March 23, 19 83
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 November 23, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

| Bond: | Agent: | Plat: | Casing | Fee |
|---|---|---|---|---|
| BB | ls | | | $500.00 no H |

Administrator, Office of Oil and Gas

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

File

## 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 then 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 22-4-1l(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.

_____

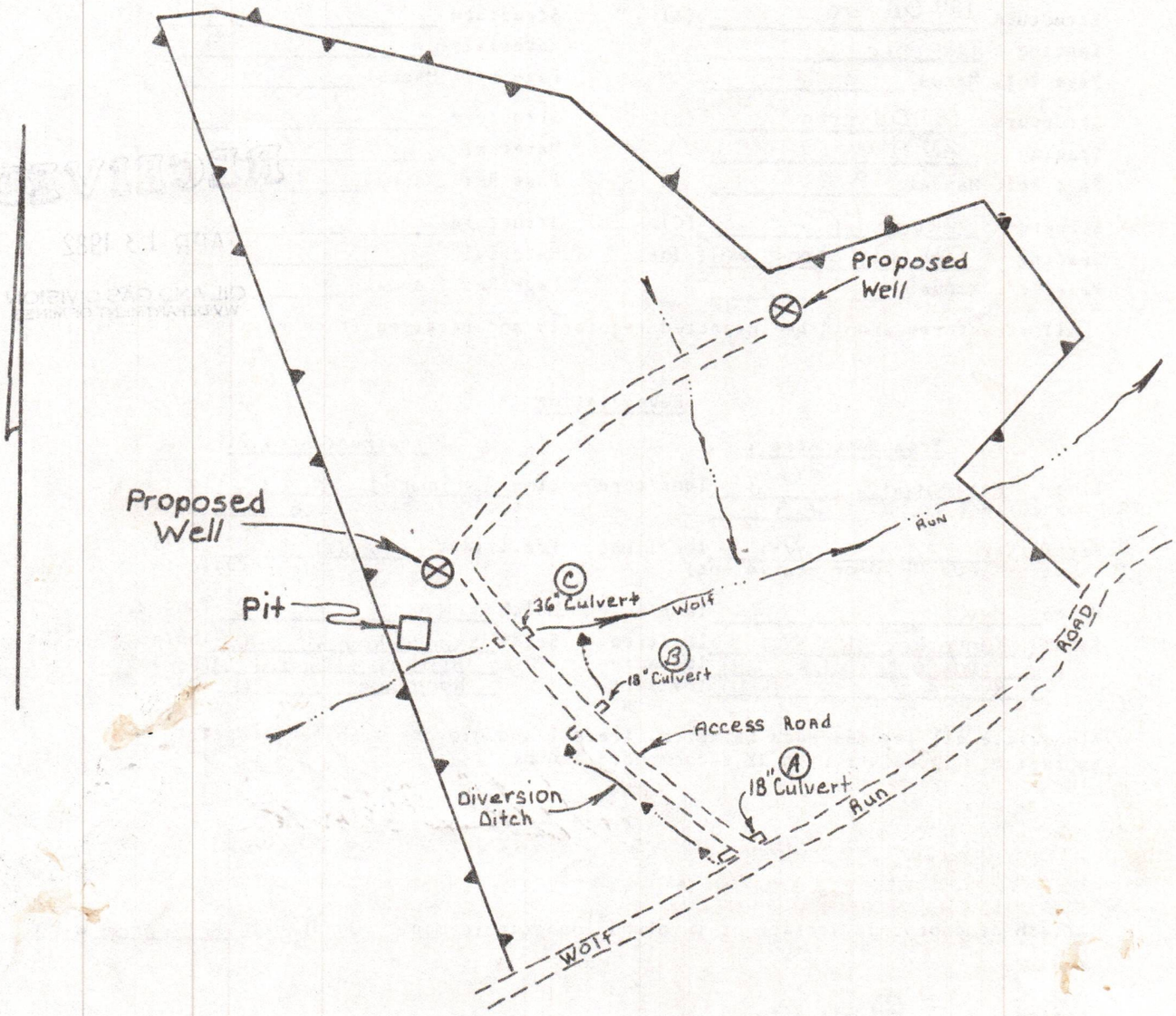
Date: _____, 19_____ By _____

Its _____

Well Site Plan

Legend: Property Boundry
Road
Existing Fence
Planned Fence
Stream
Open Ditch
Diversion
Spring
Wet Spot
Building
Drain Pipe
Waterway

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




Comments:

1.) Disturbed area to be kept to a minimum.

2.) Cut slopes to be 2:1

3.) New culverts to be at natural drain areas or at 300' max.

Ditches to be cut on uphill side of road where necessary.

Signature

Agent Address Phone Number

[illegible] landow[illegible] cooperation to protect r[illegible]eeding for one growing season.

Form IV-9
(01-80)

RECEIVED
MAR 22 1982
Tygart Valley Soil
Conservation District

Date March 19 1982
Well No. RIGHT 1
API No. 47 - Barbour - 1761
State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name Eastern Intermountain En. Designated Agent Mr. William E. Bennett
Address P.O. Box 2638 Address P.O. Box 2638
Telephone Charleston W.Va. 25530 Telephone Charleston W.Va. 25530
Landowner Blain Right Soil Cons. District Barker

Revegetation to be carried out by Eastern Intermountain Energy (Agent)

This plan has been reveiwed by Tygart Valley SCD. All corrections and additions become a part of this plan. 3-22-82 (Date) [signature] (SCD Agent)

| Access Road | | | Location | | |
|---|---|---|---|---|---|
| Structure | 18" Culvert | (A) | Structure | | (1) |
| Spacing | ONe only | | Material | | |
| Page Ref. Manual | | | Page Ref. Manual | | |
| Structure | 18" Culverts | (B) | Structure | | (2) |
| Spacing | 300" Max. | | Material | | |
| Page Ref. Manual | 1-8 | | Page Ref. Manual | | |
| Structure | 36" Culvert | (C) | Structure | | (3) |
| Spacing | ONe only across Wolf Run | | Material | | |
| Page Ref. Manual | | | Page Ref. Manual | | |

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WV DEPARTMENT OF MINES

All structures should be inspected regularly and repaired if necessary.

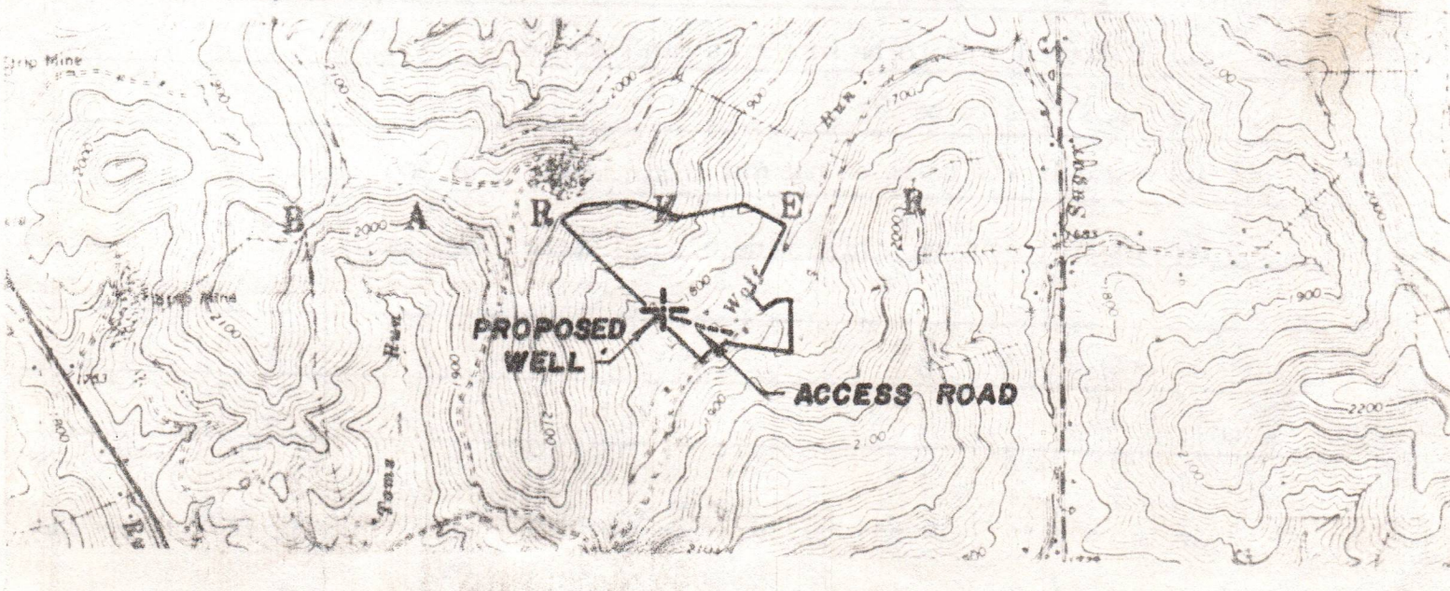
## Revegetation

| Treatment Area I | | | Treatment Area II | | |
|---|---|---|---|---|---|
| Lime | Estimated 3 | Tons/acre | Lime | Estimated 3 | Tons/acre |
| or correct to pH | 6.5 | | or correct to pH | 6.5 | |
| Fertilizer | 600 (10-20-20 or equivalent) | lbs/acre | Fertilizer | 600 (10-20-20 or equivalent) | lbs/acre |
| Mulch | Hay 2 | Tons/Acre | Mulch | Hay 2 | Tons/Acre |
| Seed* | Kentuckey 31 40 | lbs/acre | Seed* | Kentuckey 31 40 | lbs/acre |
| | Birdsfoot Trefoil 10 | lbs/acre | | Birdsfoot Trefoil 10 | lbs/acre |
| | Ryegrass 10 | lbs/acre | | Ryegrass 10 | lbs/acre |

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

Attach or photocopy section of involved Topographic map. Quadrangle Belington W.Va.

Legend: ⊕ Well Site
—— Access Road



STATE OF WEST VIRGINIA,

COUNTY OF_____, to-wit:

I, _____, a Notary Public in and for said County of_____

do certify that_____, whose name____

_____signed to the writing hereto annexed bearing date_____A. D., 19_____,

ha_____this day acknowledged the same before me, in my said County.

Given under my hand and official seal, this_____day of_____A. D., 19_____.

_____,

Notary Public in and for_____County, W. Va.

My commission expires_____.

STATE OF WEST VIRGINIA,

COUNTY OF_____, to-wit:

I, _____, a Notary Public in and for said County of_____

do certify that_____, whose name____

_____signed to the writing hereto annexed bearing date_____A. D., 19_____,

ha_____this day acknowledged the same before me, in my said County.

Given under my hand and official seal, this_____day of_____A. D., 19_____.

_____,

Notary Public in and for_____County, W. Va.

My commission expires_____.

# Oil and Gas Lease

Lease No._____ Page No._____

FROM

_____

P. O. Address_____

State of_____ County,

TO

_____

_____

Date_____, 19__

Term_____ No. of Acres_____

Location_____ District,

_____ County,

State of_____

Rec'd for Record_____, 19__

Recorded_____, 19__

In Book_____ Page_____

County_____ Recorded_____

STATE OF WEST VIRGINIA,

COUNTY OF_____, to-wit:

I, _____, a Notary Public in and for said County of_____

do certify that_____, whose name____

_____signed to the writing hereto annexed bearing date_____A. D., 19_____

ha_____this day acknowledged the same before me, in my said County.

Given under my hand and official seal, this_____day of_____A. D., 19_____.

_____

Notary Public in and for_____County, W. V

My commission expires_____

206.50

**This Lease,** Made and entered into this second day of March, 19 83, by and between BESSIE Lea Right
Box 472
Belington, WV 26250

of the County of Barbour and State of West Virginia, lessor and Eastern Intermountain Energy Ltd., lessee, WITNESSETH:

The lessor in consideration of $206.50 dollars paid by the lessee, the receipt of which is hereby acknowledged, do hereby grant, demise and let unto the lessee all the oil and gas and casing-head gas in and under the following described tract of land, and also the said tract of land for the purpose and with the exclusive right of drilling and operating thereon for said oil and gas, together with the right of way, and the right to lay pipes to convey water, oil, steam, and gas, and to have sufficient water and gas from the premises to drill and operate wells thereon, also such other privileges as are necessary for conducting said operations, and the right to remove at any time all property placed thereon by the lessee.

Lessee to pay a reasonable damage to growing crops by said operations.

All that certain tract of land situate in Barker District, Barbour County, and State of West Virginia, on the waters of Wolf Run bounded and described as follows, to-wit:

On the North by lands of 59 Acres more or less described in deed dated Dec. 8, 1980
On the East by lands of and recorded in Vol. 232 Page 26, Deed records of Barbour Co.
On the South by lands of containing 59 acres WV
On the West by lands of
containing fifty-nine ACRES, more or less

but no wells are to be drilled within 200 feet of the dwelling house or barn now on the premises without the lessor's consent.

To have and to hold the same unto the lessee for the term of 6 Mo. from the date hereof and as much longer as the said premises are being operated for the production of oil or gas, or as oil or gas is found in paying quantities thereon, yielding and paying to the lessor the one-eighth (1/8) part or share of all the oil saved from that produced on the premises, delivered free of expense into tank or pipe line to the lessor's credit; and should any well produce gas or casing-head gas in sufficient quantities to justify marketing the same in Gas pipe line, the lessor shall be paid at the rate of one-eighth (1/8) of the market price for such gas so long as the gas therefrom is conveyed and sold off the premises, payable monthly as marketed.

Said lessee shall not be required in any event, to increase the rate of said gas well payments, or said royalty of oil by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by said lessor or their predecessors in title or otherwise.

Provided, however, that this lease shall become null and void and all the rights thereunder shall cease and determine unless [illegible] shall be completed on the said premises within 6 Months from the date hereof, or unless [illegible] shall pay at the rate of one hundred twenty five (125.00) Dollars in advance for each additional three [illegible] completion is delayed from the time above mentioned for the completion of said well until one well is completed.

[illegible] may be made direct to Bessie Lea Right or deposited to
credit in or by check mailed [illegible]
Box 472 at Belington P. O. Barbour [illegible]
State of West Virginia or in the same manner to who is hereby appointed [illegible] for such purpose; and 10 days grace shall be allowed on all payments that may become due under provisions of this [illegible]

If gas is found in paying quantities to the lessee and conveyed from the premises, the lessor may have 150,000 feet [illegible] annually, free of cost by laying the necessary line and making connections at lessor's cost at such point as may be [illegible] by the lessee for use
in the mansion house on said premises, to [illegible]
[illegible] to the approval of the lessee; said gas to be used at lessor's own risk and lessee [illegible] supply of gas caused by the use of pumping stations, breakage of lines or other [illegible] abandoning any well or wells and removing the pipe therefrom.

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OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

[illegible] above property with other adjacent tracts for a drilling unit of not more [illegible] one well may be drilled. If it is productive all royalties shall be pro-rated according to [illegible] shall be due to lessor as long as such production continues, but lessor may have [illegible] and Lessor agrees to give free right of way for service lines of all other

It is further agreed, that the second party shall be paying all moneys due, have the right to surrender this grant at any time to the first part and thereafter be full [illegible] arged from any and all claims whatsoever arising from any neglect or non-fulfillment of the foregoing contract.

It is understood between the parties to this agreement that all conditions between the parties hereunto shall extend to the heirs, executors, successors and assigns of the respective parties.

IN WITNESS WHEREOF, The said parties have hereunto set their hands and seals the day and year first above written.

Signed, sealed and delivered in the presence of

Bessie Lea Right (SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)

OG-20
[7-83]

A 10

RECEIVED
MAY 23 1984
OIL & GAS DIVISION
DEPT. OF MINES

# ACCIDENT AND/OR FATALITY REPORT

PERMIT NUMBER 001 - 1761

OPERATOR Eastern Intermountain Energy, Inc.

ADDRESS P.O. Box 902
Belington, W.VA 26250

CONTRACTOR

ADDRESS

ACCIDENT DATE 4/23/84 TIME 1:00 P.M.

AGE OF INJURED 27

SPECIFIC JOB INJURED WAS PERFORMING Contract Well Tender

PROBABLE LOST TIME DUE TO INJURY

NATURE OF INJURY Facial Laceration

NAME OF INJURED Jeffry C. McLean

ADDRESS RT 92
Belington, W.VA 26250

SOCIAL SECURITY NUMBER 233-94-3937

IF FATALITY, PLEASE EXPLAIN

EXPLAIN ACCIDENT IN DETAIL Meet with Mr. Williams on April 24, 84 at well permit No. 001-1761. Where Mr. McLean got hurt on April 23, 84. The way it looked the well was opened up and the gas pressure was put on the separator and the top blowed out of the check valve and the gas pressure out of the check valve is what hurt Mr. McLeane.
Mr. Williams said that Mr. McLean should not have have been around this well

DATE May 16, 1984

SIGNED Phillip Troy
Oil & Gas Inspector

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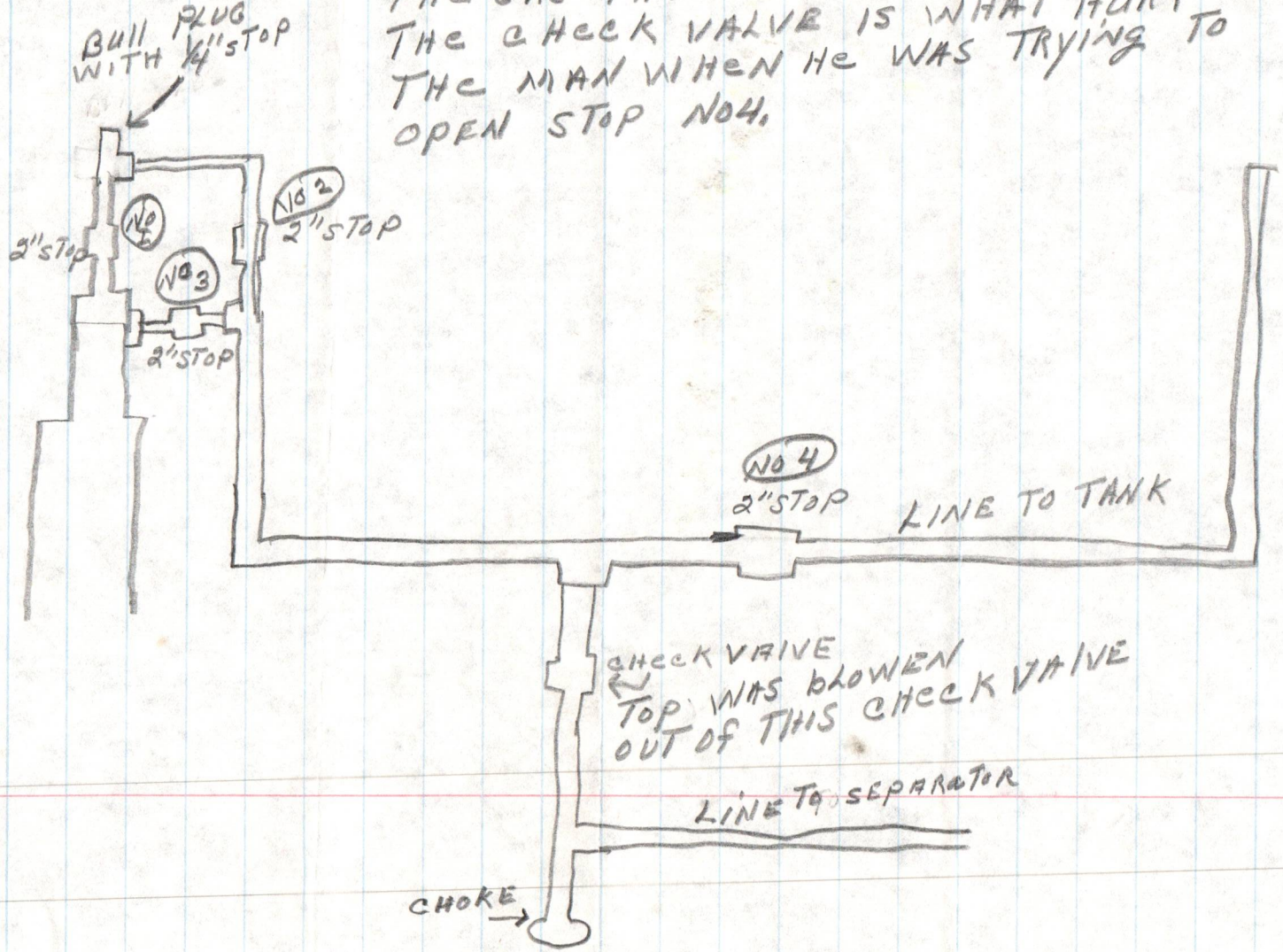
MAY 23 1984
OIL & GAS DIVISION
DEPT. OF MINES

THE WAY IT LOOKED THAT STOPS NO I & NO II WERE OPEN AND STOPS NO 3 & NO 4 WERE CLOSED WHICH PUT ALL THE PREASURE ON THE SEPARATOR. THE TOP WAS BLOWEN OUT OF THE CHECK VALVE. IT LOOKS LIKE THE GAS THAT WAS BLOWING OUT OF THE CHECK VALVE IS WHAT HURT THE MAN WHEN HE WAS TRYING TO OPEN STOP NO4.




001-1761

A12

# State of West Virginia

Department of Mines

Charleston 25305

JOHN D. ROCKEFELLER, IV.
Governor

WALTER N. MILLER
Director

May 2, 1984

Eastern Intermountain Energy
P.O. Box 902
Belington, W.Va. 26250

In Re: Permit No. 001-1761
Farm: Blaine Right
Well No: 1
District: Barker
County: Barbour
Issued 3-23-83

Gentlemen:

Please send an original and two copies of the completion drilling record for the above described well location. This record must be submitted before we can request the district inspector to make a "Final Inspection".

Administrative Regulations - Rule 16.02 Filing of Well Record and Related Forms. (a) Within 90 days after the completion of permitted work, three copies of Form IV-35, "Well Operator's Report of Drilling, Fracturing and/or Stimulating or Physical Change", containing the geological information required by Code 22-4-8b in the form specified . . . . . shall be filed with the Administrator, Office of Oil & Gas-Dept. Mines.

Sincerely,

Theodore M. Streit
Administrator-Oil & Gas

TMS/chm

FORM IV-35
(REVERSE)

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

Perforated Fox 5003-5351 (13 holes) Frac with 250 sks 20/40 150 sks 80/100 560 BBLS treated fluid 500 gal. hcl

Perforared Elk 4171-4358 (14 holes) Frac with 150 sks 80/100 250 sks 20/40 560 bbls treated fluid 750 gal hcl

Perforated Benson, Alexander 3855-3977 Frac with 150 sks 80/100 250 sks 20/40 545 bbls treated fluid 750 gal hcl.

WELL LOG

| FORMATION COLOR HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|---|---|---|---|
| soil | 0 | 30 | wet 25' |
| sh/sd | 30 | 119 | water 56' |
| coal | 119 | 123 | |
| sd/sh | 123 | 1005 | |
| rr | 1005 | 1134 | |
| sh | 1134 | 1390 | |
| Little Lime | 1390 | 1400 | |
| sh | 1400 | 1458 | |
| Big Lime | 1458 | 1620 | |
| Injun | 1620 | 1675 | |
| sh/sd | 1675 | 2425 | |
| 5th | 2425 | 2455 | |
| sh | 2455 | 2571 | |
| Elizabeth | 2571 | 2606 | |
| sd/sh | 2606 | 3013 | |
| Balltown | 3013 | 3032 | gas odor |
| sd/sh | 3032 | 3939 | |
| Benson | 3939 | 3960 | gas odor |
| sd/sh | 3960 | 5417 | |

*(Attach separate sheets as necessary)*

Eastern Intermountain Energy, Inc.
Well Operator

By: Paul Shotts President

Date: January 17, 1984

*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)

Date January 17, 1984
Operator's
Well No. #1
Farm Right
API No. 47 - 001 - 1761

# State of West Virginia
## Department of Mines
## Oil and Gas Division

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

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

LOCATION: Elevation: 1760 Watershed Wolf Run
District: Barker County Barbour Quadrangle Belington 7.5'

COMPANY Eastern Intermountain Energy
ADDRESS Box 902, Belington, WV 26250
DESIGNATED AGENT George Williams
ADDRESS Box 902, Belington, WV 26250
SURFACE OWNER Bessie Right
ADDRESS Box 472, Belington, WV 26250
MINERAL RIGHTS OWNER Bessie Right
ADDRESS Box 472, Belington, WV 26250
OIL AND GAS INSPECTOR FOR THIS WORK
Phil Tracy ADDRESS
PERMIT ISSUED
DRILLING COMMENCED 11-1-83
DRILLING COMPLETED 11-6-83
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" | 40 | 40 | cts |
| 9 5/8 | | | |
| 8 5/8 | 1088 | 1088 | cts |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 5378 | 3000 |
| 3 | | | |
| 2 | | | |
| Liners used | | | |
| | | | |

GEOLOGICAL TARGET FORMATION Haverty Depth 5400 feet
Depth of completed well 5417 feet Rotary X / Cable Tools
Water strata depth: Fresh 56 feet; Salt - feet
Coal seam depths: 119-123 Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Haverty=Elk Pay zone depth 4350-5354 feet
Gas: Initial open flow ------ Mcf/d Oil: Initial open flow ------ Bbl/d
Final open flow 1,100 Mcf/d Final open flow ------ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1750 psig (surface measurement) after 24 hours shut in
*(If applicable due to multiple completion--)*
Second producing formation Benson-Alexander Pay zone depth 3859-4182 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

BAR 1761

*(Continue on reverse side)*

OG-11

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

RECEIVED

MAR 31 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

# INSPECTOR'S WELL REPORT

Permit No. 001-1761

Oil or Gas Well _____ (KIND)

Company EASTERN INTER MOUNTAIN ENERGY

Address Belington

Farm Blaine Right

Well No. #1

District BARKER County BARBOUR

Drilling commenced _____

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|---|---|---|---|
| Size | | | |
| 16 | | | Kind of Packer |
| 13 | | | |
| 10 | | | Size of |
| 8¼ | | | |
| 6⅝ | | | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks:

CHECK POND DUE TO LOCATION ON FARM
O.K. TO BUILD

3-28-83
DATE

Robert Stewart 511
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 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| | | | | | | |

Drillers' Names_____

Remarks:

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

_____
DISTRICT WELL INSPECTOR

OG-11

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

RECEIVED
NOV 14 1983
OIL & GAS DIVISION
DEPT. OF MINES

# INSPECTOR'S WELL REPORT

Permit No. 001-1761

Oil or Gas Well _____
(KIND)

Company Eastern Intermountain

Address _____

Farm Blaine Right

Well No. 1

District Booker County Barbour

Drilling commenced _____

Drilling completed _____ Total depth 1800

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|---|---|---|---|
| Size | | | |
| 16 | | | Kind of Packer |
| 13 | | | |
| 10 | | | Size of |
| 8¼ | | | |
| 6⅝ | | | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: Drilling at 1800

Nov 4, 83
DATE

Phillip Troy
DISTRICT WELL INSPECTOR

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 |
| | | | | | | |
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| | | | | | | |

Drillers' Names_____

Remarks:

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

DATE

_____

DISTRICT WELL INSPECTOR

OG-11

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

RECEIVED
MAY 2 - 1984
OIL & GAS DIVISION
DEPT. OF MINES

# INSPECTOR'S WELL REPORT

Permit No. 001-1761

Oil or Gas Well (KIND)

Company: Eastern Exploration

Address:

Farm: Blaine Light

Well No.: 1

District: Barbour County: Barbour

Drilling commenced:

Drilling completed: Total depth:

Date shot: Depth of shot:

Initial open flow: /10ths Water in: Inch

Open flow after tubing: /10ths Merc. in: Inch

Volume: Cu. Ft.

Rock pressure: lbs. hrs.

Oil: bbls., 1st 24 hrs.

Fresh water: feet feet

Salt water: feet feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|---|---|---|---|
| Size | | | |
| 16 | | | Kind of Packer |
| 13 | | | |
| 10 | | | Size of |
| 8 1/4 | | | |
| 6 5/8 | | | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED: SIZE: No. FT.: Date

NAME OF SERVICE COMPANY

COAL WAS ENCOUNTERED AT: FEET: INCHES

FEET: INCHES: FEET: INCHES

FEET: INCHES: FEET: INCHES

Drillers' Names:

May 15, 1984
Please submit an accurate Report
copy of to record

Remarks: Well tender Jeffery McLean got hurt by a check valve blow up. Was hit with gas pressure not any mud.

4-24-84

OG-11

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

RECEIVED
MAY 2 - 1984
OIL & GAS DIVISION
DEPT. OF MINES

# INSPECTOR'S WELL REPORT

Permit No. 001-1761

Oil or Gas Well (KIND)

Company Eastern Intermountain

Address

Farm Blaine Right

Well No. 1

District Barker County Barbour

Drilling commenced

Drilling completed Total depth

Date shot Depth of shot

Initial open flow /10ths Water in Inch

Open flow after tubing /10ths Merc. in Inch

Volume Cu. Ft.

Rock pressure lbs. hrs.

Oil bbls., 1st 24 hrs.

Fresh water feet feet

Salt water feet feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|---|---|---|---|
| Size | | | |
| 16 | | | Kind of Packer |
| 13 | | | |
| 10 | | | Size of |
| 8 1/4 | | | |
| 6 5/8 | | | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED SIZE No. FT. Date

NAME OF SERVICE COMPANY

COAL WAS ENCOUNTERED AT FEET INCHES

FEET INCHES FEET INCHES

FEET INCHES FEET INCHES

Drillers' Names

Remarks: Well tender Jeffery McLean got hurt by a check valve blow up. Was hit with gas pressure not any metal.

4-24-84
DATE

[illegible]
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 |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |

Drillers' Names_____

Remarks:

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

_____
DISTRICT WELL INSPECTOR

OG-11

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

RECEIVED
MAY 30 1984
OIL & GAS DIVISION
DEPT. OF MINES

# INSPECTOR'S WELL REPORT

Permit No. 001-1761

Oil or Gas Well _____ (KIND)

Company Eastern Intermontan

Address

Farm Blaine Right

Well No. 1

District Barker County Barbour

Drilling commenced

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|---|---|---|---|
| Size | | | |
| 16 | | | Kind of Packer |
| 13 | | | |
| 10 | | | Size of |
| 8¼ | | | |
| 6⅝ | | | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date

NAME OF SERVICE COMPANY

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names

Remarks: Checking reclamation - ready to seed

5-24-84
DATE

Phillip Tracy
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 |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| | | | | | | |

Drillers' Names_____

Remarks:

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

_____
DISTRICT WELL INSPECTOR

FERC-121

| | |
|---|---|
| 1.0 API well number (If not available, leave blank. 14 digits.) | 47-001-1761 |
| 2.0 Type of determination being sought. (Use the codes found on the front of this form.) | 107 Section of NGPA; Dev. Shale Category Code |
| 3.0 Depth of the deepest completion location. (Only needed if sections 103 or 107 in 2.0 above.) | 5354 feet |
| 4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.) | Eastern Intermountain Energy (Name); Box 902 Crim Ave. (Street); Belington (City), WV (State), (Zip Code); (Seller Code) |
| 5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.) | Belington (Field Name); Barbour (County), WV (State) |
| (b) For OCS wells: | Area Name; Block Number; Date of Lease: Mo. Day Yr.; OCS Lease Number |
| (c) Name and identification number of this well. (35 letters and digits maximum.) | Right # 1 |
| (d) If code 4 or 5 in 2.0 above, name of the reservoir. (35 letters maximum.) | |
| 6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.) | Name; Buyer Code |
| (b) Date of the contract: | Mo. Day Yr. |
| (c) Estimated annual production | 85 MMcf. |

| | | (a) Base Price ($/MMBTU) | (b) Tax | (c) All Other Prices [Indicate (+) or (-).] | (d) Total of (a), (b) and (c) |
|---|---|---|---|---|---|
| 7.0 Contract price: (As of filing date. Complete to 3 decimal places.) | | —.— — — | —.— — — | —.— — — | —.— — — |
| 8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.) | | —.— — — | —.— — — | —.— — — | —.— — — |

9.0 Person responsible for this application

George Williams (Name) — Vice President (Title)

George R. Williams (Signature)

1-18-84 (Date Application is Completed) — 823-1746 (Phone Number)

| Agency Use Only |
|---|
| Date Received by Juris. Agency: JAN 23 1984 |
| Date Received by FERC |

RECEIVED JAN 23 1984 OIL & GAS DIVISION DEPT. OF MINES

IV-20
Obverse
1-84

RECEIVED
AUG 13 1985
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
June 13, 1984

COMPANY Eastern Intermountain Energy

P. O. Box 902

Belington, West Virginia 26250

PERMIT NO 001-1761 REN (3-23-83)

FARM & WELL NO Bessie Right #1

DIST. & COUNTY Barker/Barbour

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

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

SIGNED Donald R Ellis

DATE 8-7-85

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.

Administrator-Oil & Gas Division

August 22, 1985
DATE

TMS/nw

PARTICIPANTS:

DATE: MAR 5 1984

BUYER-SELLER CODE

WELL OPERATOR: Eastern Intermountain Energy — —

FIRST PURCHASER: — —

OTHER: —

Dev.

**W. Va. Department of Mines, Oil & Gas Division**
**WELL DETERMINATION FILE NUMBER**
840123-107-001-1761
**Use Above File Number on all Communications Relating to Determination of this Well**

**APPROVED**

MAR 21 1984

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121 _____ Items not completed - Line No. _____
2. IV-1 Agent _____
3. IV-2 Well Permit _____
4. IV-6 Well Plat _____
5. IV-35 Well Record _____ Drilling _____ Deepening _____
6. IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
7. IV-39 Annual Production _____ years
8. IV-40 90 day Production _____ Days off line: _____
9. IV-48 Application for certification. Complete? _____

10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? _____ Affidavit Signed _____

18-28. Other: Survey _____ Logs _____ Geological Charts _____
Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
Gas Analyses _____

(5) Date commenced: _____ Date completed _____ Deepened _____

(5) Production Depth: _____

(5) Production Formation: _____

(5) Final Open Flow: _____

(5) After Frac. R. P. _____

(6) Other Gas Test: _____

(7) Avg. Daily Gas from Annual Production: _____

(8) Avg. Daily Gas from 90-day ending w/1-120 days _____

(8) Line Pressure: _____ PSIG from Daily Report

(5) Oil Production: _____ From Completion Report _____

10-17. Does lease inventory indicate enhanced recovery being done _____

10-17. Is affidavit signed? _____ Notarized? _____

Does official well record with the Department confirm the submitted information? _____

Additional information _____ Does computer program confirm? _____

Was Determination Objected to _____ By Whom? _____

DEPARTMENT OF ENERGY

APPLICATION FOR DETERMINATION OF THE MAXIMUM ALLOWABLE PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: Eastern Intermountain Energy Agent: George Williams

Type Determination being sought- 107 (Devonian Shale)

API Well No.: 47-001-1761 Well Name: Right # 1

West Virginia Office of Oil and Gas References:

County: Barbour

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x(Shale Base Line), (c) intervals with Gamma Ray Units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray Evaluation Indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = 175 * API Units
2. Remarks:

B. Gamma Ray Log Value at 0.7 x Value at Base Line

1. GR Value = 175 * API Units
2. Calculation: 0.7 (GR Value at Base Line) = 0.7 ( 175 *) = 122.5 API Units

III. Intervals with GR index less than 0.7 x (Value at Base Line):

| Interval From** | Interval To** | Thickness of Interval Feet | Feet of less than * 0.7 (Shale Base Line) Feet |
|---|---|---|---|
| 2147 | 3000 | 853 | 34 |
| 3000 | 4000 | 1000 | 77 |
| 4000 | 5000 | 1000 | 16 |
| 5000 | 5427 | 427 | 4 |
| | | | 136' |
| Total Devonial Interval | | 3280 | |
| Total Less Than 0.7 (Shale Base) | | | 4.146% |

*Marked on Log included with analysis.
**Top of Devonian Section Recorded as First Interval in this Column.
***Lesser of TD or Botton of Devonian Section Recorded as last Interval in this column.

FORM IV-55WC
(12-78)

Date January 17, 19 84

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Operator's Well No Right # 1

API Well No 47 - 001 - 1761
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE

NGPA Section 107

DESIGNATED AGENT George Williams

ADDRESS Box 902 Crim Ave.

Belington WV

WELL OPERATOR Eastern Intermountain Ener

ADDRESS Box 902 Crim Ave.

Belington WV

GAS PURCHASER

ADDRESS

LOCATION Elevation 1760

Watershed Wolf Run

Dis Barker County Barbour Quad Belington 7

Gas Purchase Contract No

Meter Chart Code

Date of Contract

* * * * * * * * * * * * * * * * *

Date surface drilling began: 11-1-83

Indicate the bottom hole pressure of the well and explain how this was calculated

$$BHP = P_f e^{x\ GLS}$$

$$1843 = 1750 \times 1.053$$

AFFIDAVIT

I, Jerry Poling, having been first sworn according to law, state that, I have calculated the percentage of footage of the producing interval which is not Devonian shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.

STATE OF WEST VIRGINIA.

COUNTY OF Barbour. TO WIT:

I, Flora E. Williams, a Notary Public in and for the state and county aforesaid do certify that Jerry Poling, whose name is signed to the writing above, bearing date the 17 day of January, 19 84, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 17 day of January, 19 84

My term of office expires on the 7 day of March, 19 93.

Flora E. Williams
Notary Public

[NOTARIAL SEAL]

3.

ORM IV-48WC
(2-78)

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date Jan. 18, 19 84

Operator's Well No. Right # 1

API Well No. 47 - 001 - 1761
State County Permit

Previous File No. (If Applicable)

## STATE APPLICATION FOR WELL CLASSIFICATION

LL OPERATOR Eastern Intermountain Ener.

DRESS Box 902 Crim Ave

Belington WV

DESIGNATED AGENT George Williams

ADDRESS Box 902 Crim Ave.

Belington WV

s-Purchase Contract No. _____ and Date _____ (Month, day and year)

ter Chart Code _____

me of First Purchaser _____

(Street or P. O. Box)

(City) (State) (Zip Code)

RC Seller Code _____ FERC Buyer Code _____

PE OF DETERMINATION BEING SOUGHT:

(1) Initial determination (See FERC Form 121.) 107 Section of NGPA Dev. Shale Category Code

(2) Determination that increased production is the result of enhanced recovery technology.

(3) Determination of a seasonally affected well.

George Williams Name (Print) Vice Pres. Title

Signature

Box 902 Crim Ave. Street or P. O. Box

Belington WV City State (Zip Code)

(304) 823-1746 Area Code Phone Number

rtificate of Proof of Service to Purchaser)

l of the above to be completed by the Operator/Applicant)

---

be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and chaser, if known).

The Department of Mines has received a request, ☐ for certification of the above described as meeting the requirements of Section _____ under the Natural Gas Policy Act of 1978, A); ☐ or for determination that increased production is the result of enhanced recovery technology r Section 108 of (NGPA); ☐ or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the ___ day of _____, 19___, at office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may eard there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____.

Initial review of information submitted indicates the well ☐ is, ☐ is not tled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence any additional evidence will be made at the time appointed for a public hearing or as soon thereafter he matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) , a hearing will not be held except on ex parte motion of the department and the matter will o determination.

WEST VIRGINIA DEPARTMENT OF MINES

_____ Director

By _____

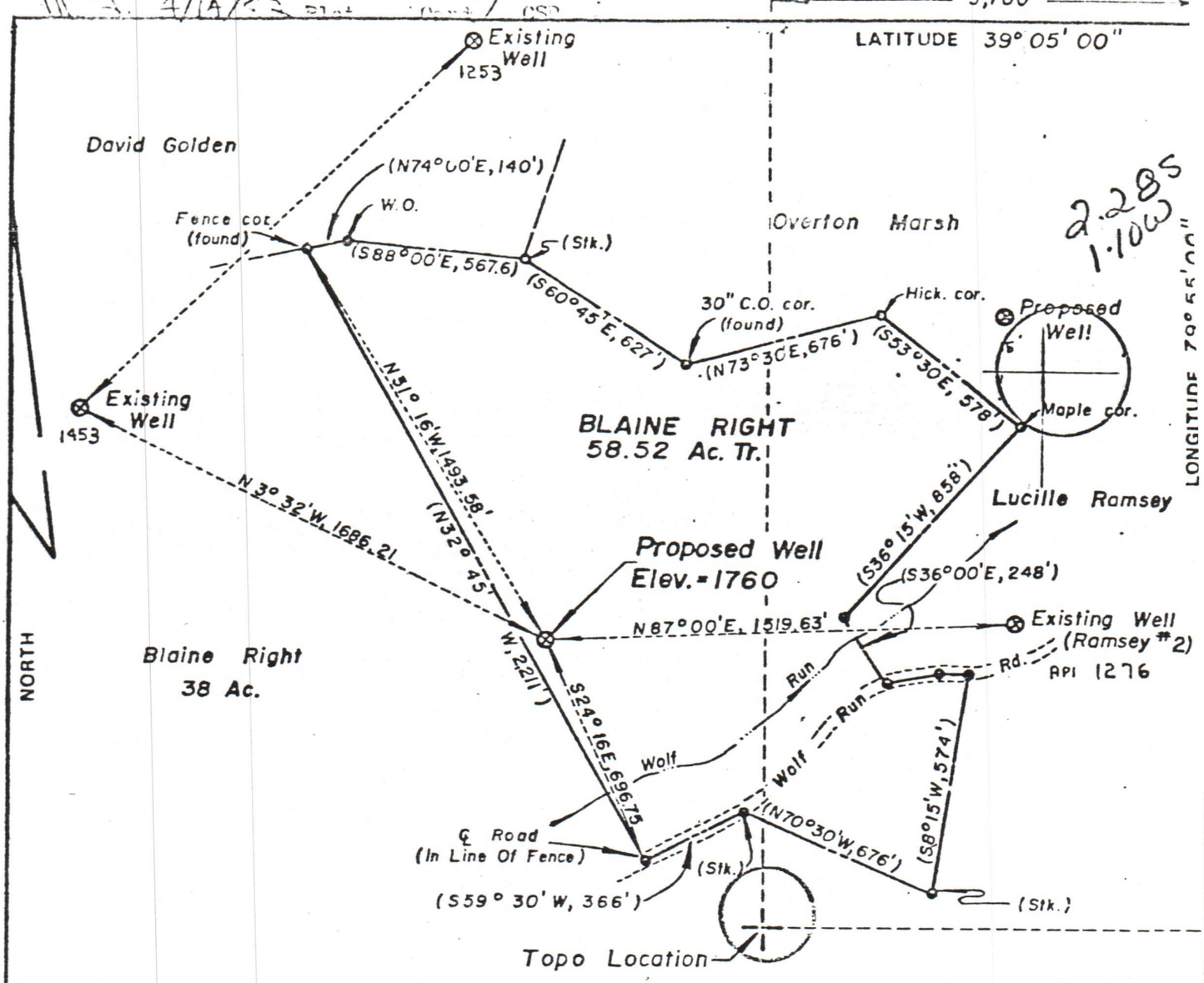
Title _____

JAN 23 1984

received by
sdictional Agency

1

4/14/82 Plat (Orig.) CSD




Eastern Intermountain Energy Ltd.
P.O. Box 2683
Charleston, W.Va. 25530

Note:
Calls In (Parenthesis) Are Deed Calls.

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500 Ft.
MINIMUM DEGREE OF ACCURACY 1 in 1500
PROVEN SOURCE OF ELEVATION USGS B.M. W.Va. Sec. Rt.44, 1880, USGS Belington Quad

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) [signature]
R.P.E. 5953 L.L.S. 500

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6
(8-78)

DATE March 16, 19 82
OPERATOR'S WELL NO RIGHT 1
API WELL NO
47 – Barbour (001) – 1761
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
LOCATION: ELEVATION 1760 WATER SHED Wolf Run
DISTRICT Barker COUNTY Barbour
QUADRANGLE Belington 415 SW
SURFACE OWNER Blaine Right ACREAGE 58.52
OIL & GAS ROYALTY OWNER Blaine Right LEASE ACREAGE 58.52
LEASE NO. _____
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION Haverty ESTIMATED DEPTH 5500