



1) Date: February 22, 19 83
 2) Operator's Well No. R.L. Cornell #1
 3) API Well No. 47 State 073 County 1601 Permit

DRILLING CONTRACTOR:
 Beacon Resources Corp.
 #1 - 17th Street
 Vienna, W. Va. 26105

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 843' Watershed: Sharps Run
 District: Jefferson County: Pleasants Quadrangle: Schultz - 7-1/2
- 6) WELL OPERATOR Beacon Resources Corp.
 Address #1 - Seventeenth St.
Vienna, W. Va. 26105
- 7) OIL & GAS ROYALTY OWNER Lillian A. Cornell
 Address 305 Riverside Dr.
St. Marys, W. Va. 25170
 Acreage 49 Acs.
- 8) SURFACE OWNER Lillian A. Cornell
 Address 305 Riverside Dr.
St. Marys, W. Va. 25170
 Acreage 49 Acs.
- 9) FIELD SALE (IF MADE) TO:
 Address Consolidated Gas Co.
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert Lowther
 Address Middlebourne, W. Va.
- 11) DESIGNATED AGENT Walter H. Allen
 Address #1 - Seventeenth St.
Vienna, W. Va. 26105
- 12) COAL OPERATOR _____
 Address _____
- 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name _____
 Address _____
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____
 Address _____
- 15) PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Marcellus
- 17) Estimated depth of completed well, 4500' feet
- 18) Approximate water strata depths: Fresh, 400 feet; salt, 800 feet.
- 19) Approximate coal seam depths: N/a Is coal being mined in the area? Yes _____ / No

RECEIVED
 FEB 23 1983

OIL AND GAS DIVISION
 WV DEPARTMENT OF MINES

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 | | | | | | | | | Kinds |
| Fresh water | <u>8-5/8</u> | | | | | <u>853</u> | <u>853</u> | <u>CTS 853</u> | Sizes |
| Coal | | | | | | | | | Depths set <u>370 ST</u> |
| Intermediate | | | | | | | | | <u>OR AS Req by Rule 15.0</u> |
| Production | <u>4-1/2</u> | | | | | <u>T.D.</u> | <u>T.D.</u> | <u>4500</u> | Perforations: |
| Tubing | | | | | | | | | Top |
| Liners | | | | | | | | | Bottom |

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: John E. Smittle
 My Commission Expires July 16, 1991

Signed: John E. Smittle
 Its: Agent

OFFICE USE ONLY
 DRILLING PERMIT

Permit number

47-073-1601

February 24

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 October 24, 1983

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

| | | | | |
|-----------------|------------------|--------------------------|----------------------------|------------------|
| Bond: <u>BB</u> | Agent: <u>ls</u> | Plat: <u>[Signature]</u> | Casing: <u>[Signature]</u> | Fee: <u>1112</u> |
|-----------------|------------------|--------------------------|----------------------------|------------------|

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 _____



IV-9
(Rev 8-81)

DATE FEB 2, 1983

WELL NO. R. CORNELL -

API NO. 47 - 073 - 1601

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME BEACON RESOURCES DESIGNATED AGENT WALTER ALLEN
Address No 1, 17TH ST., VIENNA, W.VA Address No 1, 17TH ST., VIENNA, W.VA
Telephone 304-295-3284 Telephone 304-295-3284
LANDOWNER RALPH L. CORNELL SOIL CONS. DISTRICT UPPER OHIO
Revegetation to be carried out by BEACON RESOURCES (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections and additions become a part of this plan: 2/10/83 (Date)

Kenneth R. Moser
(SCD Agent)

| ACCESS ROAD PER | LOCATION |
|--------------------------------------|------------------------|
| Structure <u>PAGE 2-14</u> (A) | Structure _____ (1) |
| Spacing _____ | Material _____ |
| Page Ref. Manual _____ | Page Ref. Manual _____ |
| Structure <u>STONE (CRUSHED)</u> (B) | Structure _____ (2) |
| Spacing <u>AS REQUIRED</u> | Material _____ |
| Page Ref. Manual _____ | Page Ref. Manual _____ |
| Structure <u>CROSS DRAINS</u> (C) | Structure _____ (3) |
| Spacing <u>AS REQUIRED</u> | Material _____ |
| Page Ref. Manual <u>2-4</u> | Page Ref. Manual _____ |

RECEIVED
FEB 23 1983
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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 + II

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 400 lbs/acre
(10-20-20 or equivalent)

Mulch 2 Tons/acre

Seed* KY FESCUE 40 lbs/acre
RED CLOVER 8 lbs/acre
_____ lbs/acre

Treatment-Area II

Lime _____ 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.

PLAN PREPARED BY DARBRELL BOICE

ADDRESS RT 1

ELIZABETH, W.VA

PHONE NO. 304 474-3654

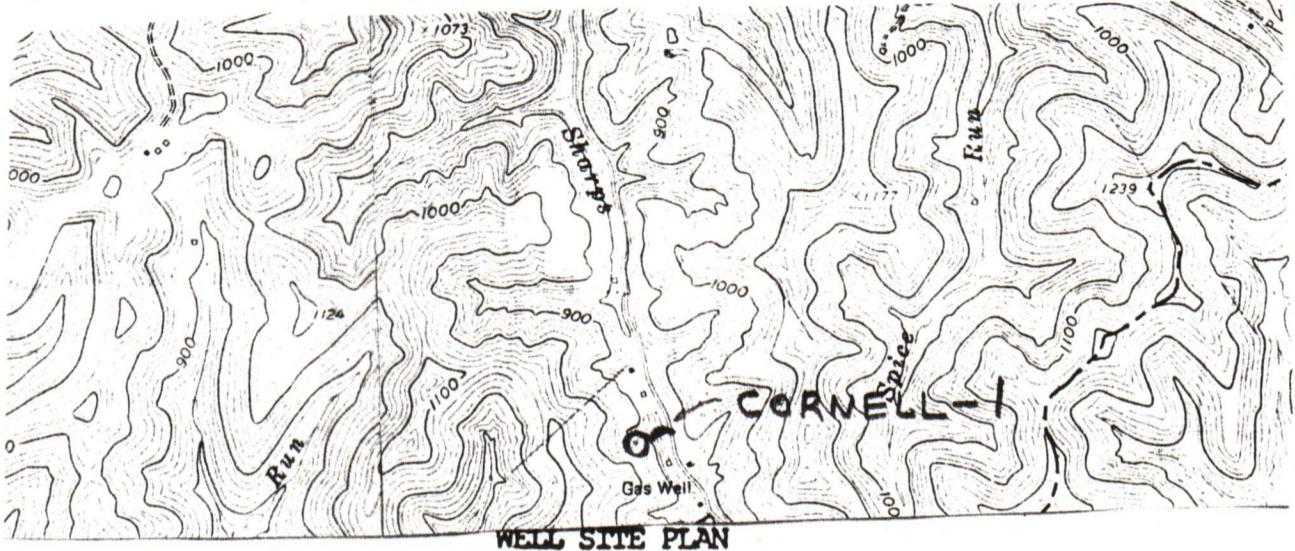
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheet necessary for comments.

ATTACH OR PHOTOCOOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE SCHULTZ 7 1/2'

LEGEND

Well Site ⊕

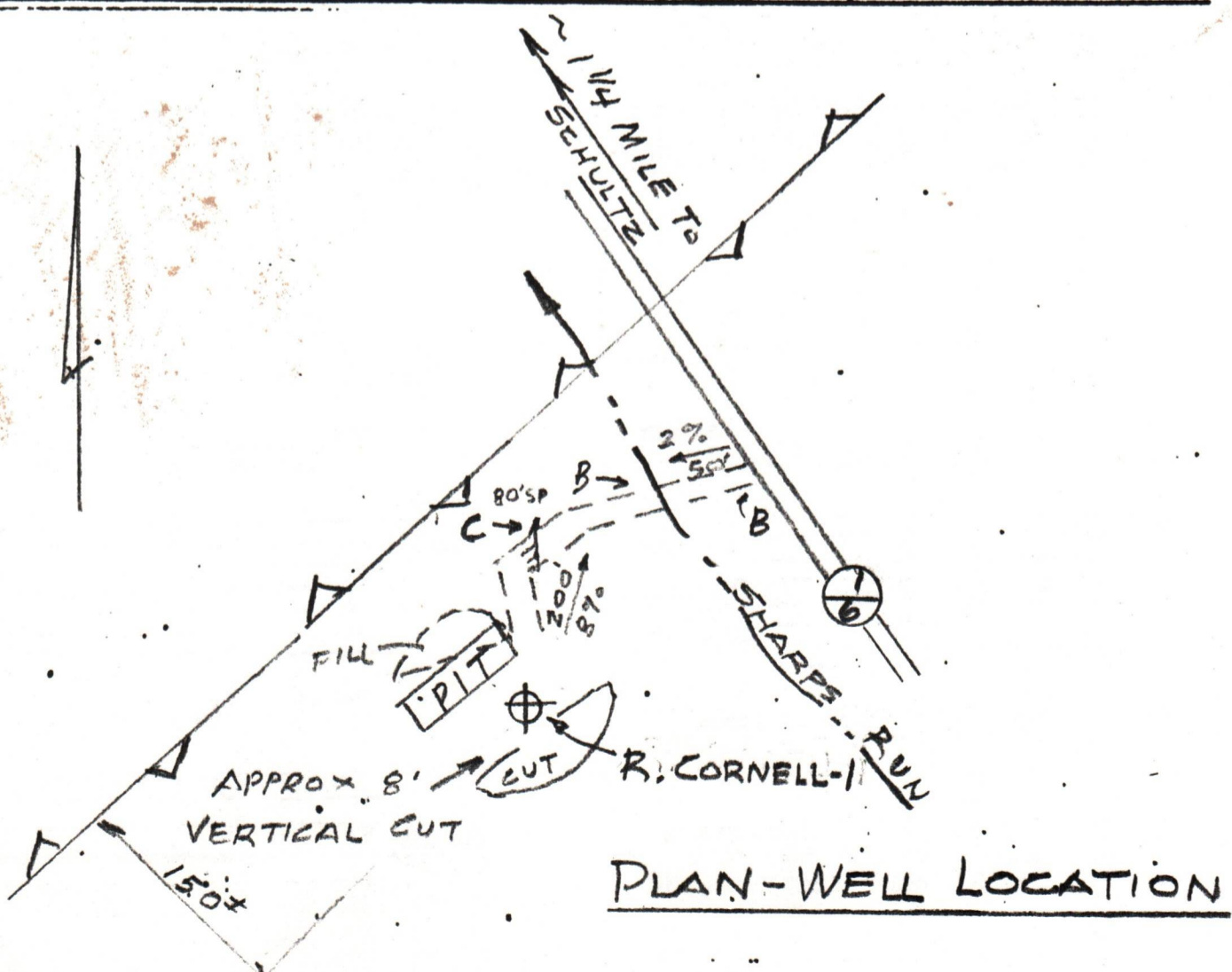
Access Road ———



Sketch to include well location, existing access road, roads to be constructed, well drilling pits and necessary structures numbered or lettered to correspond with the 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 < — — — — |



RECEIVED

FEB 23 1983

OIL AND GAS LEASE

BOOK 131 PAGE 44

AGREEMENT, made and entered into this 13th day of January

OIL AND GAS DIVISION DEPARTMENT OF MINES A. D. 1983

by and between Ralph L. (Deceased) and Lillian A. Cornell

of 305 Riverside Dr., St. Mary's, W. Va. City of the first part, hereinafter called Lessor (whether one or more),

and Vista Oil & Gas, Vienna WV 26105

party of the second part, hereinafter called Lessee;

1. WITNESSETH: That the Lessor, in consideration of the sum of One Dollar, the receipt of which is hereby acknowledged, and the covenants and agreements hereinafter contained, does hereby grant unto the Lessee all of the oil and gas and all of the con- stituents and their constituents and of storing gas of any kind in any formation underlying the land, and also the right to enter thereon at all times for the purpose of drilling and operating for oil, gas and water, laying pipe lines, erecting tanks, machinery, powers and structures, and to possess, use, and occupy so much of said premises as is necessary and convenient for said purposes and to convey the above named products therefrom or thereto by pipe lines or otherwise; said land being situate in Jefferson Township, District, County of Pleasants, State of West Virginia

NORTH by lands of Jane Huff - W. Va. Pulp EAST by lands of W. Va. Pulp & Paper SOUTH by lands of Brothers - Newland WEST by lands of Betty Maston Containing Forty-nine (49) acres, more or less and being the same land conveyed to lessor by recorded in said county records in Book No. _____ by deed dated _____ and _____

2. It is agreed that this lease shall remain in force for a primary term of Six (6) months from this date and as long thereafter as operations for oil or gas are being conducted on the premises, or oil or gas is found in paying quantities thereon, or any formation underlying the herein leased land is used for storage of gas as provided under paragraph 7 hereof.

3. The Lessee shall deliver to the credit of the Lessor free of cost, in the pipe line to which he may connect his wells, the equal part of all gas plus one-thirty-second (1/32) over the ride of the same. For all gas and casing head gas produced and sold from the premises, payable monthly; provided, Lessee shall pay Lessor a royalty at the rate of fifty percent per year on such gas well while, through lack of market, gas therefrom is not sold or used off the premises, and while said royalty is so paid said well shall be held to be a paying well under paragraph 2 hereof. The Lessee shall commence operations for a well on the premises on or before _____ (500.00) Five-hundred (\$500.00) dollars for each _____ (6) months that operations are delayed from the time above mentioned. The consideration first recited herein, the down payment, shall cover not only the privilege granted to the date when first said rental is payable as aforesaid, but also the Lessee's option of extending that period as aforesaid, and any and all other rights conferred. The drilling of a non-productive well shall be accepted by the Lessor in lieu of delay rental for a period of one year after its completion, and following the exhaustion or abandonment of all wells the Lessee shall have the right for a period of one year to resume the payment of delay rental or commence operations for another well. Upon the resumption of payment of rentals the provisions hereof governing such payment and the effect thereof shall continue in force as though they had not been interrupted.

5. All moneys coming due hereunder shall be paid or tendered to Lillian A. Cornell 305 Riverside Dr., St. Mary's, W. VA. direct, or by check payable to his (or her) order mailed to _____

6. Lessor reserves 200,000 cubic feet of gas per annum for domestic use, to be taken through his own appliances at any producing gas well, and agrees to pay Lessee a fair domestic rate for any gas used in excess thereof. Lessor further covenants and agrees that his taking and use of gas shall be wholly at his own risk, the Lessee not to be held liable for any accident or damage caused thereby, nor shall Lessee be liable for any shortage or failure in the supply of gas for said domestic use. Lessee shall have the right to use any formation underlying the leased premises for the storage of gas and shall have all rights and rights-of-way necessary to store and produce such gas, as full payment for such storage rights, the Lessee shall pay to the Lessor a rental in the rate of _____ per acre per year, while the premises are so used, and so long as the stor- age payment is made, all provisions of this lease shall remain in full effect.

7. Lessee shall have the right to use any formation underlying the leased premises for the storage of gas and shall have all rights and rights-of-way necessary to store and produce such gas, as full payment for such storage rights, the Lessee shall pay to the Lessor a rental in the rate of _____ per acre per year, while the premises are so used, and so long as the stor- age payment is made, all provisions of this lease shall remain in full effect.

8. Lessor further grants to the Lessee his heirs and assigns, the right to utilize this lease with other leases to form a drilling unit of units according to the rules and regulations which may be adopted for the proper development and conservation of the field. In the event this lease is so unitized, the Lessor agrees to accept in lieu of the royalty hereinafter recited, such proportion of the royalty above provided, as the acreage covered by this lease bears to the total acreage comprising the unit.

9. If said Lessor owns a less interest in the above described land than the proportion which his interest bears to the whole and undivided fee, and rentals herein provided shall be paid the Lessor only in the proportion which his interest bears to the whole and undivided fee.

10. No well may be drilled nearer than 200 feet to the house or barn now on said premises without the written consent of Lessor. Lessee shall have and enjoy all rights and privileges necessary and convenient for the proper use and development of this lease, and shall have the right to use, free of cost, gas, oil and water produced on said land for its operations thereon, except water from wells of Lessor. Lessee shall have the right to draw and remove casing. Lessee shall pay for damages caused by its operations to growing crops on said lands, and, when requested by Lessor, shall buy its pipe lines below depth.

11. The interest or estate of either party hereto may be assigned, the privilege of assigning in whole or in part being expressly allowed. In event this lease shall be assigned or to any part or parts of the above described land and the assignee or assignees of such part or parts shall not be liable for the payment of the proportionate part of the rents due from him or them, such de- mands shall not operate to defeat or affect this lease insofar as it covers a part or parts of the land upon which the said Lessee or any assignee thereof shall make due payment of said rental. No change of ownership in the land or in the rents or royalties shall be binding on the Lessee until after notice to the Lessor and it has been furnished with a written transfer or assignment of a cer- tified copy thereof.

12. At any time, Lessee, its successors or assigns, shall have the right to surrender this lease or any part thereof for cancellation, after which all payments and liabilities hereunder shall cease and determine, and if the whole is surrendered, then this lease shall become absolutely null and void. This surrender may be made to the Lessor, or if more than one Lessor, then to any one of them, or to the heirs or assigns of such person, or by recording a duly executed surrender thereof in person or by mail ad- dressed to the post office address of such person, or by recording a duly executed surrender thereof in the Recorder's office of the County in which the land is located. There is to be a mutual consent in writing to cancel.

13. Lessor hereby warrants and agrees to defend the title to the land herein described and agrees that the Lessee at its option may pay, discharge or redeem any taxes, mortgages, or other liens existing, levied, or assessed on or against the above described lands, and in event it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying any royalty or rentals accruing hereunder to the discharge of any such taxes, mortgages or other liens.

14. It is expressly agreed that if the Lessee shall commence drilling operations at any time while this lease is in force, it shall remain in force and its terms continue so long as such operations are prosecuted, and if production results therefrom, then as long as production continues. If after the expiration of the term of this lease production from the leased premises shall cease from any cause, this lease shall not terminate provided Lessee resumes operations within sixty days from such cessation, and this lease shall be deemed in paying quantities. Not attributable to the lease, and if production results therefrom, then as long as oil or gas is pro- duced in paying quantities.

This instrument prepared by JOHN E. SMITTLE

15. This lease embodies the entire contract and agreement between Lessor and Lessee, and no warranties, representations, promises or inducements not herein expressed have been made or relied upon by either party. The terms, conditions and stipulations hereof shall extend to the respective heirs, executors, administrators, successors and assigns of the parties hereto.

Lessee will provide gas line and hook-up.

16. See addendum attached.

Witness the hands and seals of the parties hereto the day and year first above written.

WITNESS:

Lillian A. Cornell (SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)

W. VA. ACKNOWLEDGMENT

STATE OF W. VA.
COUNTY OF Pleasants } SS.

Before me, a Notary Public in and for said county, personally appeared the above named Lillian A. Cornell

who acknowledged that she he did sign the foregoing instrument, and that the same is her free act and deed. In testimony whereof I have hereunto subscribed my name at this 15th

day of January, 19 83

John E. Smith
Notary Public

My Commission expires July 16, 1991

ASSIGNMENT OF LEASE

For and in consideration of the sum of one dollar to me in hand paid, I do hereby sell, assign and transfer all of my right, title and interest in the within oil and gas lease on and to heirs, successors and assigns.

Witness my hand this day of 19

WITNESS:

COUNTY OF } ss.

Personally appeared before me, a, in and for said County

who acknowledged the signing of the foregoing instrument to be voluntary act and deed for the uses and purposes therein mentioned.

In testimony whereof, I have hereunto set my hand and affixed my seal this day of, A. D., 19

My commission expires

Notary Public, Justice of the Peace.

Oil and Gas Lease
TO
Date, 19
Acres
Location
County State
Term
RECORDING DATA:

ADDENDUM to Oil & Gas Lease between Ralph L. Cornell (deceased) and Lillian A. Cornell (Lillian A. Cornell (Lessor) and Vista Oil & Gas Corporation (Lessee) dated the 13th day of January 1983.

1. 1/32 over ride of all production.
2. \$2,450.00 to be paid in advance plus \$1,000.00 per each drilling site. (Cash or Certified Check.)
3. Timber to be cut and stacked beside road.
4. One (1) well only holds twenty (20) acres surrounding well.
5. No cut-off at 2,000 ft. unless well is good.
6. Leasing to depth of 6,000 feet only.
7. All gas lines from well to dwellings to be buried below plow depth.
8. Must fill and reclaim well pits.
9. Lessor will have the say as to location of right-of-way to well site and twenty (20) feet right of way to well site.
10. Not responsible for any accidents or damage to equipment.
11. This lease is not to be sold or transferred to any other company.

Date

1/13/83

x Lillian A. Cornell
Signature

x John E. Smittle
Witness

STATE OF WEST VIRGINIA, OFFICE OF THE CLERK OF THE PLEASANTS COUNTY COMMISSION,

The foregoing paper writing was this day 1/18/83, at 3:25 pm, presented for record in my office, and thereupon, together with the certificate thereto annexed, is admitted to record.

TESTE:

Freida W. Hammett, Clerk
Pleasants County Commission

IV-35
(Rev 8-81)



RECEIVED
APR 7 - 1983

State of West Virginia
Department of Mines
Oil and Gas Division

Date 3/30/83
Operator's
Well No. #1
Farm R.L. Cornell
API No. 47 - 073 - 1601

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

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 843 Watershed Sharps Run
District: Jefferson County Pleasants Quadrangle Schultz

COMPANY Beacon Resources Corp. / Vista
ADDRESS P.O. Box 5370 Vienna, WV 26105
DESIGNATED AGENT Russell T. Poole
ADDRESS 2794 Valley Mills Rd. Parkersburg, WV
SURFACE OWNER Lillian A. Cornell
ADDRESS St. Marys, WV 25170
MINERAL RIGHTS OWNER Lillian A. Cornell
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther ADDRESS Middlebourne, WV
PERMIT ISSUED 3/2/83
DRILLING COMMENCED 3/10/83
DRILLING COMPLETED 3/15/83
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" | | | |
| 9 5/8 | | | |
| 8 5/8 | 938 | 938 | |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | 4404 | 4404 | |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Devonian Shale/Marcellus Depth 4500 feet
Depth of completed well 4414 feet Rotary / Cable Tools _____
Water strata depth: Fresh 400 feet; Salt 800 feet
Coal seam depths: N/A Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Devonian Shale / Marcellus Pay zone depth 3500-4297 feet
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 250 Mcf/d Final open flow 50 Bbl/d
Time of open flow between initial and final tests 8 hours
Static rock pressure 1250# psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

Pleasants, 1601

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

Perforated: 39 Holes 3500-4297 Feet.

Fractured: 1st Stage: Broke at 3100#

2nd Stage: Broke at 2800#

Total: 1000 GALLONS OF ACID. 2,100,000 SCF N₂

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|---------------------|----------|--------------|----------|-------------|---|
| | | | | | Including indication of all fresh and salt water, coal, oil and gas |
| Sandstone | | Green | 1030 | 1060 | |
| Gray Shale | | | 1060 | 1370 | |
| Sandstone | | Grn. tn Gry. | 1370 | 1490 | |
| Shale | | Drk. Gry. | 1490 | 1520 | |
| Sandstone | | Grn. | 1520 | 1560 | |
| Sandstone | Big Lime | | 1560 | 1640 | |
| Sandstone/Limestone | | | 1640 | 1670 | |
| Sandstone | | | 1670 | 1760 | |
| Shale | | | 1760 | 2210 | |
| Siltstone | Med. | Drk. Gry. | 2210 | 2680 | |
| Shale | | Drk. Gry. | 2680 | 2750 | |
| Siltstone | Med. | Drk. Gry. | 2750 | 2780 | |
| Shale | | Drk. Gry. | 2780 | 2960 | |
| Siltstone | | Lt. Gry. | 2960 | 3070 | |
| Shale | | Lt. Gry. | 3070 | 3140 | |
| Siltstone | | Med. Gry. | 3140 | 3170 | |
| Gray Shale | | | 3170 | 3230 | |
| Siltstone | | Lt. Gry. | 3230 | 3290 | |
| Shale | | Drk. Gry. | 3290 | 3320 | |
| Shale/Siltstone | | | 3320 | 3430 | |
| Siltstone | | Drk. Gry. | 3430 | 3460 | |
| Shale/Siltstone | | | 3460 | 3490 | |
| Siltstone | | Gry. | 3490 | 4100 | |
| Shale | | Drk. Gry. | 4100 | 4160 | |
| Siltstone | | Lt. Gry. | 4160 | 4280 | |
| Shale | | Drk. Gry. | 4280 | TD | |

(Attach separate sheets as necessary)

Vista Oil & Gas Corporation
Well Operator

By: Russell D. Posh V/Pres.

Date: March 30, 1983

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

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

WELL OPERATOR'S REPORT
OF
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR VISTA OIL & GAS CORP.
Address PO BOX 5370
VIENNA, WV 26105

DESIGNATED AGENT RUSSELL T. POOLE
Address 2794 VALLEY MILLS RD
PARKERSBURG, WV 26101

GEOLOGICAL TARGET FORMATION: MARCELLUS Depth 4500' feet
3500' - 4297' feet

RECEIVED
AUG 17 1984

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test period
- 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 51.01)
- 5- Separate Form IV-36 for each producing completion

| TEST DATA | | | | | |
|--|--|---|--------------------------------|------------------------------|--|
| START OF TEST-DATE 1-10-84 | TIME 11:00AM | END OF TEST-DATE 1-11-84 | TIME 11:00AM | DURATION OF TEST 24 HOURS | |
| TUBING PRESSURE ----- | CASING PRESSURE 325-180 | SEPARATOR PRESSURE 150-120 | SEPARATOR TEMPERATURE ----- | | |
| OIL PRODUCTION DURING TEST 26 bbls. | GAS PRODUCTION DURING TEST 24 Mcf | WATER PRODUCTION DURING TEST & SALINITY ----- bbls. ----- ppm. | | | |
| OIL GRAVITY 54 | PRODUCING METHOD (Flowing, pumping, gas lift, etc.) FLOWING | | | | |

| MEASUREMENT METHOD | | | GAS PRODUCTION | | |
|--|---|---|---|--|--|
| FLANGE TAP <input checked="" type="checkbox"/> | PIPE TAP <input type="checkbox"/> | L-10 <input type="checkbox"/> | POSITIVE CHOKE <input checked="" type="checkbox"/> CRITICAL FLOW PROVER <input type="checkbox"/> | | |
| ORIFICE DIAMETER 3/4 " | PIPE DIAMETER (INSIDE DIAM.) 2.067 | NOMINAL CHOKE SIZE - IN. 26/64" | | | |
| DIFFERENTIAL PRESSURE RANGE ----- | MAX. STATIC PRESSURE RANGE 500 | PROVER & ORIFICE DIAM. - IN. ----- | | | |
| DIFFERENTIAL 38"-4" | STATIC 150-120 | GAS GRAVITY (Air-1.0) MEASURED <input checked="" type="checkbox"/> ESTIMATED | | | |
| GAS GRAVITY (Air-1.0) 0.75 | FLOWING TEMPERATURE ----- | GAS TEMPERATURE ----- °F | | | |
| 24 HOUR COEFFICIENT ----- | 24 HOUR COEFFICIENT ----- PRESSURE ----- psia | | | | |

| TEST RESULTS | | | |
|-----------------------|------------------------|----------------------|-------------------------------|
| DAILY OIL 26 bbls. | DAILY WATER 0 bbls. | DAILY GAS 24 Mcf. | GAS-OIL RATIO .923 SCF/STB |

VISTA OIL & GAS CORP.
Well Operator

By: RUSSELL T. POOLE

Its: _____

Oil

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

RECEIVED

MAR 9 - 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1601

Oil or Gas Well _____
(KIND)

| | | | | |
|---|--|------------------|--------------|----------------------|
| Company <u>Beacon Resources</u> | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
| Address <u>Vienna w. Va.</u> | Size | | | |
| Farm <u>Lillian Cornell</u> | 16 | | | Kind of Packer _____ |
| Well No. _____ | 13 | | | |
| District <u>Jefferson</u> County <u>Pleasant</u> | 10 | | | Size of _____ |
| Drilling commenced <u>3-4-83</u> | 8 3/4 | <u>985</u> | <u>985</u> | |
| Drilling completed _____ Total depth <u>1844</u> | 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 <u>8 5/8</u> SIZE <u>985</u> No. FT. <u>35-83</u> Date _____ | | | |
| Fresh water _____ feet _____ feet | NAME OF SERVICE COMPANY <u>nowscd</u> | | | |
| Salt water _____ feet _____ feet | COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES | | | |
| | _____ FEET _____ INCHES _____ FEET _____ INCHES | | | |
| | _____ FEET _____ INCHES _____ FEET _____ INCHES | | | |

Drillers' Names _____

Remarks: Gas 1562

3-7-83
DATE

R.A. Lowther
DISTRICT WELL INSPECTOR



RECEIVED
SEP 12 1984
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
August 31, 1984

COMPANY Beacon Resources Corp.
#1 Seventeenth Street
Vienna, West Virginia 26105

PERMIT NO 073-1601 (2-24-83)
FARM & WELL NO R. L. Cornell #1
DIST. & COUNTY Jefferson/Pleasants

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

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

SIGNED

R. H. Lowther

DATE

Sept 10, 1984

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.

T. L. r. B. B.
Administrator-Oil & Gas Division

October 9, 1984

DATE

TMS/chm

IV-27
9-83

RECEIVED

NOV 23 1983



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date: Nov 21 1983
Well No: 1234
API NO: 47 - 073-1601
State County Permit

*073-1609
073-1610
073-1611*

OIL & GAS DIVISION
DEPT. OF MINES Oil and Gas Division

NOTICE OF VIOLATION

WELL TYPE: Oil / Gas Liquid Injection / Waste Disposal /
Of "Gas" - Production / Storage / Deep / Shallow /

LOCATION: Elevation: _____ Watershed: Shavers Fork
District: Harrison County: Marion Quadrangle: Schully

WELL OPERATOR Beacon Resources DESIGNATED AGENT John Lambert
Address Seventeenth St Address Same
Vienna W. Va.

The above well is being posted this 21 day of Nov, 1983, for a violation of Code 22-4-1F and/or Regulation _____, set forth in detail as follows:

(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

*Failure to permit oil & Gas Inspector to access to inspect wells
Gates locked to prevent Inspector access to wells*

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

You are hereby granted until Nov 28, 1983, to abate this violation.

Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Robert A. Lowther
Oil and Gas Inspector

Address Midbourne
W. Va. 26149

Telephone: 758-4764



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
NOV 2 3 1983

OIL & GAS DIVISION
DEPT. OF MINES Oil and Gas Division
NOTICE OF VIOLATION

Date: _____
Well No.: _____
APL No.: _____
State, County, Permit: _____

WELL TYPE: Oil _____ / Gas _____ / Liquid Injection _____ / Waste Disposal _____
OF "Gas" - Production _____ / Storage _____ / Deep _____ / Shallow _____
LOCATION: Elevation: _____
District: _____
County: _____
Watershed: _____
Gadswager: _____

WELL OPERATOR: _____
Address: _____
DESIGNATED AGENT: _____
Address: _____

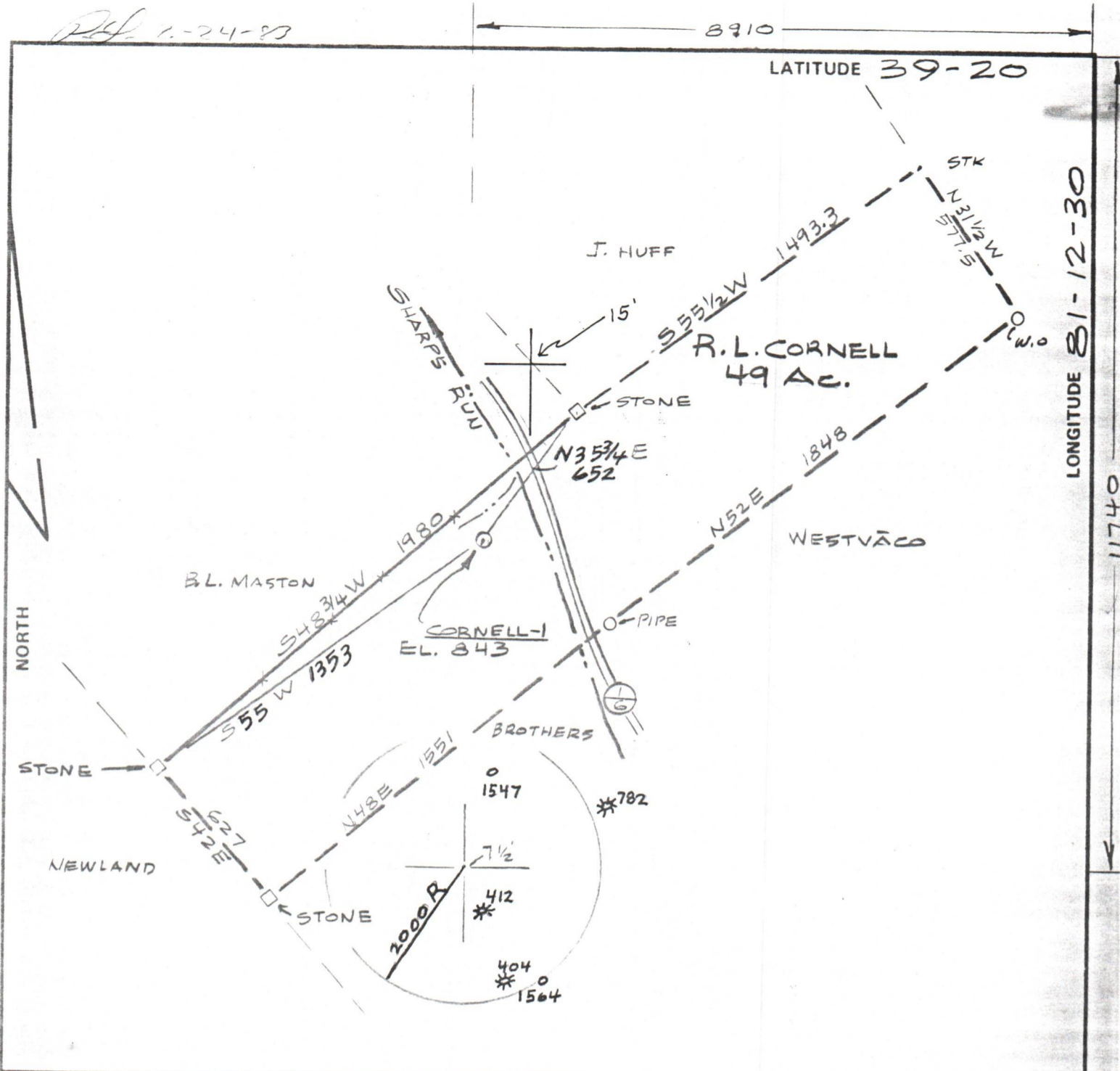
The above well is being posted this _____ day of _____, 19____ for a violation of Code 22-4-____ and/or Regulation _____ set forth in detail as follows:
(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

A copy of this notice has been posted at the well site and sent by certified mail to the designated well operator or his designated agent. You are hereby granted until _____, 19____ to abate this violation. Failure to abate this violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Oil and Gas Inspector: _____

Address: _____

Telephone: _____



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION USGS BM EL. 724 (SCHULTZ)

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) Dorell R. Boice
 R.P.E. _____ L.L.S. 667

PLACE SEAL HERE

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



DATE FEB 10, 1983
 OPERATOR'S WELL NO. R. CORNELL-1
 API WELL NO. 47 - 073 - 1601
 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 843 WATER SHED SHARPS RUN
 DISTRICT JEFFERSON COUNTY PLEASANTS
 QUADRANGLE SCHULTZ 7 1/2
 SURFACE OWNER R. L. CORNELL ACREAGE 49
 OIL & GAS ROYALTY OWNER R. L. CORNELL LEASE ACREAGE 49
 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 MARCELLUS ESTIMATED DEPTH 4000
 WELL OPERATOR BEACON RESOURCES DESIGNATED AGENT WALTER ALLEN
 ADDRESS NO 1, 17TH ST. VIENNA, W. VA. ADDRESS NO 1, 17TH ST. VIENNA, W. VA.

LONGITUDE 81-12-30
0411
PLEASANTS - 1601